



May 3rd, 2024

Fixed Income Clearing Corporation

MBS Division

EPN Contact List

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

Contact Information

EPN Support (Technical issues) Allocation Hotline	epnsupport@dtcc.com 212-855-7886
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Client Support/Technical issues Option 5 and 5	888-382-2721
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Please note that Clearing and EPN contact information is received from our participants. Please notify MBS Allocations 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>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
AEGON USA INVESTMENT MANAGEMENT, INC.	265	AEGN	PRODUCTION
MATT KINNEY	SUPERVISOR		(319) 355-5867
RENELL STRAIT	POOL INFO		(319) 355-2645
CATHY MAY	POOL INFO		(319) 355-2398
TARA BULMAN	POOL INFO		(319) 355-8826
BRIAN PECINOVSKY	TECHNICAL		(319) 355-7978
AIG GLOBAL INVESTMENT CORP.	238	AGIM	PRODUCTION
RAPHAEL DAVIS	VP PORTFOLIO MANAGER		(212) 770-9344
JAMIE ROBERTS	OPERATIONS MANAGER		(212) 770-8799
RYAN FULMER	MBS TRADER		(212) 770-9343
BRIAN HALLERAN	POOL INFO		(212) 770-8835
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
AIM ADVISORS, INC.	304	AIMA	PRODUCTION
LAURA PAINE	SUPERVISOR		(502) 561-3273
DAVID DAILY	POOL INFO		(502) 588-2404
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
ALLIANCE CAPITAL MANAGEMENT, L.P.	240	MACM	PRODUCTION
TAMARA MOLINARY	MANAGER		(914) 993-2906
MANNY POLANCO	POOL INFO		(914) 993-2878
MICHAEL MOSCARELLI	POOL INFO		(914) 993-2905
SANGEETA MUDDASSANI	TECHNICAL		(212) 887-3108
SHIMMON SCHWARTZ	TECHNICAL		(212) 887-2225
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
ALLSPRING GLOBAL INVESTMENTS, LLC	353	WCMI	PRODUCTION
CHRIS LOFGREN	MANAGER		(415) 222-5289
OPHELIA FUNG	POOL INFO-PRIMARY		(415) 396-2262
MARK CAPUTO	POOL INFO		(415) 396-4861
ANDREW MOORE	POOL INFO		(415) 396-1120
DAVE VAN HECKE	TECHNICAL		(414) 359-3704
AMERIPRISE FINANCIAL SERVICES, INC.	243	AEFA	PRODUCTION
JOHANNES MANLAPAZ	MANAGER		(612) 671-7569
DAVID CRASS	POOL INFO		(612) 678-5126
TONY BANSON	POOL INFO		(612) 678-1050
JEFF DOBIER	TECHNICAL		(612) 671-0442
ERIN JENSON	POOL INFO		(612) 678-6290
AMUNDI PIONEER ASSET MANAGEMENT, INC	479	PIMI	PRODUCTION
ANTHONY J. KOENIG	SVP, CHIEF OF STAFF		(617) 422-4697
JOSIELY HERMIDA			(617) 422-4831
AMUNDI PIONEER INSTITUTIONAL ASSET MGMT, INC	204	SBRE	PRODUCTION
AMY ARGANBRIGHT	DIRECTOR		(919) 967-7221
BRIAN CUMMINGS	MANAGER		(919) 967-7221
SUE FURMAN	SETTLEMENTS / ALLOCATIONS		(919) 967-7221
KATRINA FOSKEY	SETTLEMENTS / ALLOCATIONS		(919) 967-7221

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
APEX CLEARING CORPORATION ERROL A JONAS ALLOCATIONS TRADE ASSIGNMENTS FAX# ALLOCATIONS FAX	364 SUPERVISOR MBSCC	ADPC	PRODUCTION (516) 472-5080 (866) 502-7369 (646) 390-3328 (516) 472-5404
APG ASSET MANAGEMENT US INC KELLIE CHAPPELL MARTELLA NODA HANS LANSLOTS LARA RASKIN SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO	268 VP - POOL INFO VP - POOL INFO TECHNICAL AVP - POOL INFO	ABPI	PRODUCTION (917) 368-3527 (917) 368-3524 (917) 360-3501 (917) 368-2422
ARCOLA SECURITIES, INC. JASON KUMP	447 MANAGER	RCAP	PRODUCTION (646) 829-0141
BANK OF AMERICA, N.A. CHRISTOPHER GLYNN ALLOCATIONS / POOL INFO MBSCC/TRADE ASSIGNMENTS	252 MANAGER Dg.mbs_allocations@bankofamerica.com	BACI	PRODUCTION (908) 388-4872 (980) 386-9430
BANK OF AMERICA, N.A. SEE BANK OF AMERICA, N.A. (BACI)	252	BACW	PRODUCTION
BANK OF AMERICA, N.A. SEE BANK OF AMERICA, N.A. (BACI)	252	BAFS	PRODUCTION
BANK OF AMERICA, N.A. SEE BANK OF AMERICA, N.A. (BACI)	252	BAML	PRODUCTION
BANK OF AMERICA, N.A. SEE BANK OF AMERICA, N.A. (BACI)	252	BAMR	PRODUCTION
BANK OF MONTREAL, CHICAGO BRANCH ROBERT VACCA CHRIS WAGNER	176 DIRECTOR OF OPS	BMTL	PRODUCTION (646) 640-1260 (312) 845-5030
BANK OF OKLAHOMA N.A. JOHN COFFMAN DORLINDA DILL SUSAN LEDFORD DREW JUDD RICHARD RUMSEY	305 VP POOL INFO POOL INFO POOL INFO TECHNICAL	BOKF	PRODUCTION (405) 272-2088 (405) 272-2010 (405) 272-2210 (405) 272-2162 (405) 951-0210
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 VP mbsallocation@barclays.com xrambscctradeassignm@barclays.com mbsasstsvrg@barclays.com	BCAP	PRODUCTION (212) 320-7397 (201) 499-0388 (201) 499-2860 (201) 499-3076
BARINGS LLC JIM BERWICK SANDRINE GIACOMO SYLVAIN BLONDEL	444 TRADE OPERATIONS MANAGER HEAD OF CONTROL +44(0)20 7214 1933 ADMIN	BCML	PRODUCTION (704) 805-7348 (413) 226-1316 (704) 232-2483

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
BETHESDA SECURITIES LLC. ANDREW SULLIVAN OPERATIONS GROUP OPERATIONS EMAIL	420 MANAGER	BETH	PRODUCTION (203) 429-0724 (203) 429-0714
	BethOps@BethesdaSecurities.com		
BGC FINANCIAL L.P. SEE BGC FINANCIAL L.P. (FCGB)	409	EBKR	PRODUCTION
BGC FINANCIAL, L.P. WILLIAM MURPHY HENRY ROSENBLUM MBS ALLOCATIONS	409 MANAGING DIRECTOR SENIOR VICE PRESIDENT mbsallocations@cantor.com	FCGB	PRODUCTION (904) 598-9261 (904) 598-9308 (212) 829-4914
BLACKROCK, INC. DREW BURTON JACK FONDACARO HELEN ZHANG JAMES STEWART HOTLINE SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO	253 MANAGER MANAGER TECHNICAL TECHNICAL TECHNICAL	BLRK	PRODUCTION (302) 797-6365 (302) 797-6052 (212) 810-3856 (415) 670-2043 (212) 810-3550
BMO CAPITAL MARKETS CORP ROBERT VACCA ELIZABETH BARTON ERIC ZALINKANSKAS CHRIS WAGNER MARK GRANZOW	484 MANAGER MBS ALLOCATIONS MBS ALLOCATIONS BILLING TECHNICAL	BMOC	PRODUCTION (646) 640-1260 (646) 799-4165 (646) 640-1262 (312) 845-5030 (312) 461-6207
BNP PARIBAS SECURITIES CORP NETANEL COHEN POOL INFO FAX FRED SCHEIER ALLOCATION EMAIL	346 MANAGING DIRECTOR POOL INFO TECHNICAL mbs.allocations@americas.bnpparibas.co	BNPP	PRODUCTION (212) 340-5400 (212) 841-2479 (929) 226-6959 (212) 841-3176
BNP PARIBAS SECURITIES CORP SEE BNP PARIBAS SECURITIES (BNPP)	346	BNPX	PRODUCTION
BNY MELLON CAPITAL MARKETS, LLC DENNIS GOODING KEITH FLEMM ROSE MARIE RIZZO TAEK JUNG MBS OPERATIONS HOTLINE MBS OPERATIONS EMAIL	395 VICE PRESIDENT MBS OPERATIONS MBS OPERATIONS TECHNICAL HOTLINE ratesbnycm@bnymellon.com	BNYM	PRODUCTION (212) 815-6065 (212) 815-2615 (212) 815-2334 (646) 823-7142 (212) 815-6411 (212) 815-6065

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	126	MBBA	PRODUCTION
BOFA SECURITIES INC <i>CHRISTOPHER GLYNN</i> <i>ALLOCATIONS / POOL INFO</i> <i>MBSCC/TRADE ASSIGNMENTS</i>	126 <i>MANAGER</i> <i>Dg.mbs_allocations@bankofamerica.com</i> <i>Dg.mbs_allocations@bankofamerica.com</i>	MBNB	PRODUCTION <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	MLCH	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLCJ	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLDB	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLDC	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLDE	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLDF	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLDJ	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLDK	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES LLC (MBNB)</i>	371	MLDL	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLDQ	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLDR	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLGA	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES LLC (MBNB)</i>	371	MLHB	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES (MBNB)</i>	371	MLPC	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES (MBNB)</i>	371	MLPD	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLPF	PRODUCTION
BOFA SECURITIES INC <i>SEE BOFA SECURITIES INC (MBNB)</i>	371	MLVO	PRODUCTION
BRANDYWINE GLOBAL INV <i>WALTER COPELAND</i> <i>JOSEPH COLUCCIO</i> <i>AMANDA CUNNINGHAM</i>	478 <i>OPERATIONS HOTLINE</i> <i>DIRECTOR OF OPS</i> <i>TECHNICAL</i> <i>BILLING</i>	BWGI	PRODUCTION <i>(215) 609-3936</i> <i>(215) 609-3651</i> <i>(212) 617-6820</i> <i>(215) 609-3567</i>

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM (CAL	222	CALP	PRODUCTION
T.J KOPKASH	MANAGER		(916) 795-9179
LILLIAN WINROW	POOL INFO		(916) 795-4029
RACHEL STARK	POOL INFO		(916) 795-4029
JAMES NOSS	TECHNICAL		(916) 795-3541
CALIFORNIA STATE TEACHERS RETIREMENT SYSTEM	383	CSTR	PRODUCTION
DEBRA SMITH	MANAGER		(916) 414-7560
DIEGO SANCHEZ	POOL INFORMATION		(916) 414-7390
MATTHEW SCHOTT	TECHNICAL		(916) 414-7394
OPERATIONS BROKER LINE			(916) 414-7398
CANTOR FITZGERALD & CO	105	CANT	PRODUCTION
WILLIAM MURPHY	mbsallocations@cantor.com		(904) 598-9261
HENRY ROSENBLUM	SVP		(904) 598-9308
MBS ALLOCATIONS	mbsallocations@cantor.com		
CANTOR FITZGERALD & CO	105	CFCA	PRODUCTION
SEE CANTOR FITZGERALD & CO (CANT)			
CAPITAL GROUP RESEARCH, INC.	259	CAPG	PRODUCTION
JASON LEAKE	SENIOR MANAGER		(310) 996-6005
DAVID NGO	POOL INFO		(310) 996-6341
DAN HALL	POOL INFO		(310) 996-6336
DIANA AHUMADA	POOL INFO		(310) 444-6752
GIRISH PATIL	TECHNICAL		(310) 996-6505
CAPITAL ONE N.A.	422	CAPN	PRODUCTION
SARAH MOY	MANAGER		(703) 720-2046
MATT CARLSON	MANAGER		(703) 720-3599
OPERATIONS HOTLINE	securitiesoperations@capitalone.com		
CAPITAL ONE N.A.	422	CONA	PRODUCTION
SEE CAPITAL ONE, NA (CAPN)			
CF SECURED LLC	485	ZEPP	PRODUCTION
SEE CANTOR FITZGERALD & CO (CANT)			
CF SECURED, LLC	485	CFSL	PRODUCTION
SEE CANTOR FITZGERALD & CO (CANT)			
CF SECURED, LLC	485	KCMF	PRODUCTION
SEE CANTOR FITZGERALD & CO (CANT)			
CF SECURED, LLC/POLP	485	POLP	PRODUCTION
SEE CANTOR FITZGERALD & CO (CANTOR)			
CHARLES SCHWAB INVESTMENT MANAGEMENT, INC.	325	CSIM	PRODUCTION
MICHAEL GREEN	MANAGER		(415) 667-7074
MELANIE V. FRANCIS	MANAGER		(415) 667-7074
ERIC SPRECHT	MANAGER		(720) 418-6920
CITADEL GLOBAL FIXED INC MASTER FD LTD	433	CITE	PRODUCTION
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

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
CITADEL SECURITIES LLC	432	CITD	PRODUCTION
<i>RICHARD MORSE</i>	<i>SVP</i>		<i>(312) 444-5307</i>
<i>POOL INFORMATION</i>	<i>HOTLINE</i>		<i>(312) 630-6234</i>
<i>SETTLEMENTS</i>	<i>SETTLEMENTS</i>		<i>(312) 443-5350</i>
<i>KAREN JONES</i>	<i>MANAGER FICC</i>		<i>(312) 395-2874</i>
<i>FICC</i>	<i>HOTLINE</i>		<i>(312) 395-2846</i>
CITIBANK NA	540	CBNA	PRODUCTION
<i>ALLOCATION HOTLINE</i>	<i>ALLOCATIONS</i>		<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	465	CBTY	PRODUCTION
<i>ALLOCATION HOTLINE</i>	<i>ALLOCATIONS</i>		<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>

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
CITIGROUP GLOBAL MARKETS INC	140	MBSL	PRODUCTION
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	MCLA	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MCLB	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MCLC	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MCLD	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MCLE	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMCF	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMCM	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMCT	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMCU	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMCV	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMCW	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMCZ	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMDA	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMDB	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMDE	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMDH	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMDI	PRODUCTION

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	MMDL	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	WBAP	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	WBCB	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	WBCP	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	WBGD	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	WBMS	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	WBRV	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC	140	WBSP	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC / ANTHRACITE FUND	140	ANTH	PRODUCTION
POOL INFORMATION			(212) 615-9234
BARRINGTON SHARPE	TECHNICAL		(201) 231-2030
CITIGROUP GLOBAL MARKETS INC.	140	MBSM	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC.	140	MMCN	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC.	140	MMCY	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC.	140	MMDC	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC. /SPECIAL – 39	140	CGBE	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC. /SPECIAL – 45	140	CGBF	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC. /SPECIAL – 46	140	CGBG	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC. /SPECIAL – 47	140	CGBH	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC. SPECIAL 06	140	MMDF	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC. SPECIAL 07	140	MMDG	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC. SPECIAL 10	140	MMCL	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC. SPECIAL 11	140	SBSG	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			
CITIGROUP GLOBAL MARKETS INC. SPECIAL 12	140	SBSF	PRODUCTION
SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)			

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
CITIGROUP GLOBAL MARKETS INC. SPECIAL 18 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	CGMP	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 19 <i>SEE CITIGROUP GLOBAL MARKETS INC (MBSL)</i>	140	CGMQ	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 21 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	CGMB	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 31 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	CGSF	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 57 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MBSQ	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 74 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMBC	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 75 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMBD	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 76 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMBF	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 79 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMBI	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 80 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMBJ	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 82 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMBN	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 84 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMBP	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 85 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMBQ	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 87 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMBS	PRODUCTION
CITIGROUP GLOBAL MARKETS INC. SPECIAL 97 <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMCC	PRODUCTION
CITIGROUP GLOBAL MARKETS INC./SPECIAL 20 <i>SEE CITIGROUP GLOBAL MARKETS INC (MBSL)</i>	140	MMDY	PRODUCTION
CITIGROUP GLOBAL MARKETS, INC <i>SEE CITIGROUP GLOBAL MARKETS INC. (MBSL)</i>	140	MMCP	PRODUCTION
CITIGROUP GLOBAL MARKETS, INC ELLEN LYNCH	140	MMEB	PRODUCTION (636) 261-0437
BOBBI BAXTER		MBS ALLOCATIONS	(605) 731-3521
SARA STAHLER		MBS ALLOCATIONS	(605) 731-3119
CREF / SOCIAL CHOICE ACCOUNT <i>SEE CREF/BOND MARKET ACCOUNT (CBMA)</i>	454	CSOC	PRODUCTION
DAIWA CAPITAL MARKETS AMERICA INC. MICHAEL RUGGIERO	373	DAIW	PRODUCTION (212) 612-6143
JOSE REVILLA		DIRECTOR	(212) 612-6145
MATTHEW COLLETTA		ALLOCATIONS HOTLINE	(212) 612-6752
BRIAN HALLERAN		MBS	(212) 612-6752
GROUP E-MAIL		MBS	(212) 612-6792
		TBA_MortgageAllocations@us.daiwacm.co	

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
DEALERWEB INC. / HF VINCENT TORRES CHRIS TILYOU SATISH SUNDRI	121 VP POOL INFO TECHNICAL	MBEH	PRODUCTION (646) 484-4401 (212) 797-2115 (646) 484-2943
DELAWARE INVESTMENTS US, INC. JOE FIORILLA DAVE HULLHORST LINDA LILLARD SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO	337 MANAGER POOL INFO TECHNICAL	DIUS	PRODUCTION (215) 255-2321 (215) 255-1347 (215) 255-2824
DEUTSCHE ASSET MANAGEMENT GROUP EMAIL MICHELE DUPREE	254 MBS.TRADE.SUPPORT@LIST.DB.COM POOL INFO	SKII	PRODUCTION (904) 645-1320
DEUTSCHE BANK AG JOHN RAHM SCOTT STEPHENS GROUP EMAIL	168 VP AVP mbs.allocations@db.com	MBDA	PRODUCTION (212) 250-2027 (904) 527-6436
DEUTSCHE BANK SECURITIES INC. JOHN RAHM SCOTT STEPHENS GROUP EMAIL	163 VP AVP mbs.allocations@db.com	MBDB	PRODUCTION (212) 250-2027 (904) 527-6436
DUPONT CAPITAL MANAGEMENT CORPORATION DOUG HENDERSON PATRICK MULHERN JAMES LACY	310 MANAGER POOL INFORMATION POOL INFORMATION	DUPT	PRODUCTION (302) 477-6156 (302) 477-6267 (302) 477-6038
DYNEX CAPITAL LLC ROBERT COLLIGAN ROBERT EDLICH	183 DIRECTOR OF OPS TECH SUPPORT	DYNX	PRODUCTION (203) 912-8436 (973) 975-3251
ELLINGTON MANAGEMENT GROUP SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	EGWN	PRODUCTION

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	EEIM	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	EFQL	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	ELCC	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	ELCO	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	ELFS	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	ELSO	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	ELST	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	EMOF	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	EMPR	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	EMRN	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC(ELMF)	219	EPOM	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	ERNS	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	ESMO	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	ESTB	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC SEE ELLINGTON MANAGEMENT GROUP LLC (ELMF)	219	NEPM	PRODUCTION
ELLINGTON MANAGEMENT GROUP LLC AS INVESTMENT ADVI JOSEPH COLLINS POOL INFO VICTOR HERNANDEZ	285 MANAGER POOL INFO TECHNICAL	ELMF	PRODUCTION (203) 409-3718 (203) 409-3540 (203) 409-3724
ELLINGTON SPEC RELATIVE VALUE FD LLC SEE ELLINGTON MANAGEMENT CROUP LLC (ELMF)	219	ESRV	PRODUCTION
FANNIE MAE MARIA ROBINSON C.J.FELDHEIM ALLOCATIONS HOTLINE BRETT REED GEORGE VANDUZER	145 DIRECTOR MANAGER - ALLOCATIONS RTTM, NETTING, EPN, AOTS TECHNICAL POC MANAGER - TECHNICAL	MBFN	PRODUCTION (202) 752-2881 (202) 752-3679 (202) 752-5384 (210) 781-1070 (703) 833-1408

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
FEDERAL HOME LOAN MORTGAGE CORP <i>SEE FEDERAL HOME LOAN MORTGAGE CORP (FHPT)</i>	115	FMAC	PRODUCTION
FEDERAL HOME LOAN MORTGAGE CORP <i>JORGE PEREZ</i> <i>TYLER HANLEY</i> <i>GABRIELLE GRIFFITH</i> <i>BRAD GALOFARO</i> <i>JAKE KELLY</i> <i>EMAIL</i>	115 <i>RTTM/ ALLOCATIONS</i> <i>RTTM/ ALLOCATIONS</i> <i>RTTM / ALLOCATIONS</i> <i>SR. MANAGER (ESCALATION)</i> <i>SR. DIRECTOR (ESCALATION)</i> <i>F&I_MBS_OPS@Freddiemac.com</i>	FMEF	PRODUCTION <i>(571) 382-5983</i> <i>(703) 903-4001</i> <i>(571) 382-4652</i> <i>(571) 382-5815</i> <i>(212) 418-8902</i> <i>(212) 418-8902</i>
FEDERAL HOME LOAN MORTGAGE CORP <i>JORGE PEREZ</i> <i>BRAD OPAR</i> <i>TRINA CARTER</i> <i>BRAD GALOFARO</i> <i>JAKE KELLY</i>	115 <i>ALLOCATIONS</i> <i>RTTM</i> <i>RTTM</i> <i>SR. MANAGER (ESCALATION)</i> <i>SR. DIRECTOR (ESCALATION)</i> <i>F&I_MBS_OPS@Freddiemac.com</i>	FMHG	PRODUCTION <i>(571) 382-5948</i> <i>(703) 918-5433</i> <i>(571) 382-5699</i> <i>(571) 382-5815</i> <i>(212) 418-8902</i>
FEDERAL HOME LOAN MORTGAGE CORP <i>JORGE PEREZ</i> <i>TYLER HANLEY</i> <i>GABRIELLE GRIFFITH</i> <i>BRAD GALOFARO</i> <i>JAKE KELLY</i> <i>EMAIL</i>	115 <i>RTTM</i> <i>RTTM/ALLOCATIONS</i> <i>RTTM</i> <i>SR.MANAGER (ESCALATION)</i> <i>SR. DIRECTOR (ESCALATION)</i> <i>F&I_MBS_OPS@Freddiemac.com</i>	MFRE	PRODUCTION <i>(571) 382-5983</i> <i>(703) 903-4001</i> <i>(571) 382-4652</i> <i>(571) 382-5815</i> <i>(212) 418-8902</i>
FEDERAL HOME LOAN MORTGAGE CORP. (CASH PC AUCTIONS) <i>BRAD OPAR</i> <i>TRINA CARTER</i> <i>BRAD GALOFARO</i> <i>JAKE KELLY</i>	115 <i>RTTM/ALLOCATIONS</i> <i>RTTM</i> <i>SR. MANAGER (ESCALATION)</i> <i>SR. DIRECTOR (ESCALATION)</i> <i>F&I_MBS_OPS@Freddiemac.com</i>	MBFA	PRODUCTION <i>(571) 382-3494</i> <i>(703) 918-5433</i> <i>(571) 382-5815</i> <i>(212) 418-8902</i>
FEDERAL HOME LOAN MORTGAGE CORP. (PORTFOLIO) <i>OMAR JIMENEZ</i> <i>TYLER HANLEY</i> <i>JASON STROTHER</i> <i>BRAD GALOFARO</i> <i>JAKE KELLY</i>	115 <i>RTTM/ALLOCATIONS</i> <i>RTTM/ALLOCATIONS</i> <i>RTTM</i> <i>SR. MANAGER (ESCALATION)</i> <i>SR. DIRECTOR (ESCALATION)</i> <i>F&I_MBS_OPS@Freddiemac.com</i>	FHPT	PRODUCTION <i>(571) 382-5849</i> <i>(703) 903-4001</i> <i>(571) 382-5465</i> <i>(571) 382-5815</i> <i>(212) 418-8902</i>
FEDERAL HOME LOAN MORTGAGE CORP. (PORTFOLIO) <i>SEE FEDERAL HOME LOAN MORTGAGE CORPORATIO (MBFA)</i>	115	FMSS	PRODUCTION
FEDERAL RESERVE NEW YORK <i>ANNMARIE ROWE-STRAKER</i> <i>RYAN HIRSCHHEY</i>	106 <i>DIRECTOR OF OPS</i> <i>TECHNICAL</i>	FRNY	PRODUCTION <i>(212) 720-8060</i> <i>(212) 720-5902</i>
FIDELITY INVESTMENTS MONEY MANAGEMENT, INC. <i>ERICA CAIELLA-ROSSI</i> <i>ALLOCATIONS HOTLINE</i> <i>MBS.ALLOCATIONS@FMR.COM</i>	297 <i>MANAGER/POOL INFO</i> <i>ALLOCATIONS HOTLINE</i> <i>MBS.ALLOCATIONS@FMR.COM</i>	FIDO	PRODUCTION <i>(603) 881-2640</i> <i>(603) 791-1435</i>

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
FIRST HORIZON BANK	186	FTEN	PRODUCTION
JODY TREGLE	MANAGER		(901) 435-8745
ERIC JANSS	FHLMC ALLOCATIONS		(212) 418-5064
KIM BLEDSOE	MBSCC		(901) 435-4748
FRANKLIN ADVISERS, INC.	225	FRTP	PRODUCTION
CESAR BLENGINO	MIDDLE OFFICE CLIENT SUPPORT TEA		(650) 312-3220
ELIDA ESPINO	MIDDLE OFFICE CLIENT SERVICE ANAL		(954) 847-2302
PAUL PAGANELLI	MIDDLE OFFICE CLIENT SERVICE SENI		(916) 463-1407
DEEPAK KUMAR	TECHNICAL 91-40-66971565		
HAZEL CHONG	TECHNICAL		(650) 312-3133
SASI BHUSAN PAPPALA	TECHINCAL 91-40-669731626		
MATT ROZANSKI	MIDDLE OFFICE CLIENT SERVICE		(650) 312-6329
FULTON BANK, NA	461	FLTN	PRODUCTION
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
GE ASSET MANAGEMENT INCORPORATED	232	GNEI	PRODUCTION
JESSE ROBINSON	VICE PRESIDENT		(203) 708-2778
LISA MARINI	MANAGER, FIXED INCOME		(203) 708-2802
MELANIE MAREGNIE	SR. OPERATIONS ASSOCIATE		(203) 708-3279
ANURAG MINOCHA	APPLICATION MANAGER		(203) 708-2811
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
GOLDMAN SACHS ASSET MANAGEMENT L.P.	179	GSAM	PRODUCTION
GREG ALLEN			(212) 902-8900
POOL INFORMATION			(917) 343-2079
POOL INFORMATION			(917) 343-2080
SATYADEEP PATNAIK	TECHNICAL		(212) 902-7004
FAX			(212) 357-1228
GOLDMAN, SACHS & COMPANY. LLC	119	MBGS	PRODUCTION
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
GUGGENHEIM PARTNERS INVESTMENT MANAGEMENT, LLC	490	GUGN	PRODUCTION
GEOFF DUDICK	DIRECTOR OF OPS		(312) 357-0078
GHN-SERVICES@BLACKROCK.COM			(312) 827-0147
HILLTOP SECURITIES INC	386	SWSI	PRODUCTION
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

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
HIMCO CARA CARDELLO CLAUDIA MCCALLA	208 MANAGER POOL INFO	HMCO	PRODUCTION (860) 297-6883 (860) 297-6877
HSBC BANK USA, N.A. ALLOCATIONS HOTLINE SETTLEMENTS GROUP EMAIL	217 FIS@US.HSBC.COM FI.P&S@US.HSBC.COM	MMBK	PRODUCTION (212) 525-0150
INDUSTRIAL AND COMMERCIAL BANK OF CHINA FINANCIAL S JOHN HOCK HOTLINE ALLOCATIONS/ASSIGNMENTS	441 DIRECTOR FedOps@ICBKFS.com	ICBK	PRODUCTION (212) 993-7321 (212) 993-7320
INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOP GARY RICE ELAINE SPENCER KEVIN KLEIN HOTLINE	428 MANAGER POOL INFORMATION POOL INFORMATION MBS OPS	IBRD	PRODUCTION (202) 458-4884 (202) 477-8075 (202) 477-8075 (202) 477-8075
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION SEE JP MORGAN CHASE BANK NA (MBBT)	148	MAJS	PRODUCTION
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION SEE JP MORGAN CHASE BANK NA (MBBT)	148	MBAM	PRODUCTION
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION ALLOCATIONS ALLOCATIONS/RTTM	148 HOTLINE cio_mbs_allocations@jpmorgan.com	MBBT	PRODUCTION (302) 634-1842
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION SEE JP MORGAN CHASE BANK NATIONAL ASSOCIATION (MBBT)	148	MBCH	PRODUCTION
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION SEE JP MORGAN CHASE BANK NA (MBBT)	148	MBCI	PRODUCTION
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION SEE JP MORGAN CHASE BANK NA (MBBT)	148	MBCL	PRODUCTION
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION SEE JP MORGAN CHASE BANK NA (MBBT)	148	MBCZ	PRODUCTION
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION SEE JP MORGAN CHASE BANK NA (MBBT)	148	MBVL	PRODUCTION
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION SEE JP MORGAN CHASE BANK NA (MBBT)	148	MCBE	PRODUCTION
J.P MORGAN CHASE BANK NATIONAL ASSOCIATION. ALLOCATIONS ALLOCATIONS / RTTM EMAIL	148 HOTLINE gestation-ficc_group@jpmorgan.com	MBPF	PRODUCTION (302) 634-1842
J.P MORGAN INVESTMENT MANAGEMENT INC. DANIELLE CARDER MICHELLE PEPPER KIM CLARK ARVIND RAVINDRAN	167 MANAGER POOL INFO POOL INFO TECHNICAL	MBJI	PRODUCTION (614) 213-9155 (614) 213-9176 (614) 213-9176 (201) 595-1843

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
J.P. MORGAN CHASE BANK NA VINCENT OLIVIERO PHILIP PERCI ROSELIE VERDESOTO TRADE SUPPORT GROUP	164 VP VP MBSCC	MBCG	PRODUCTION (201) 356-0934 (201) 356-0935 (201) 356-0941
J.P. MORGAN SECURITIES SEE J.P. MORGAN SECURITIES LLC (JPFD)	103	JFAA	PRODUCTION
J.P. MORGAN SECURITIES SEE J.P. MORGAN SECURITIES LLC (JPFD)	103	JFAB	PRODUCTION
J.P. MORGAN SECURITIES SEE J.P. MORGAN SECURITIES LLC (JPFD)	103	JFAC	PRODUCTION
J.P. MORGAN SECURITIES SEE J.P. MORGAN SECURITIES LLC (JPFD)	103	JFAD	PRODUCTION
J.P. MORGAN SECURITIES SEE J.P. MORGAN SECURITIES LLC (JPFD)	103	JSEO	PRODUCTION

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JESP	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>ALLOCATIONS</i> <i>ALLOCATIONS / RTTM</i>	103 <i>HOTLINE</i> <i>pb_allocations@jpmorgan.com</i>	JPFD	PRODUCTION <i>(302) 634-1842</i>
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAE	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAG	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAI	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAK	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAN	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAO	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAQ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAT	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSAU	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAV	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAX	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSAZ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSBB	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSBD	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSBH	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSBI	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBJ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBK	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBL	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSBM	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBN	PRODUCTION

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBO	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBP	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBQ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBR	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBS	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBT	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBU	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBV	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBW	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBX	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>	103	JSBZ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSCB	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSCC	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSCH	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSCJ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSCN	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSCQ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSCU	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSCY	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSDA	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSDB	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSDC	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES (JPFD)</i>	103	JSDG	PRODUCTION
J.P. MORGAN SECURITIES LLC	103	JSDH	PRODUCTION

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDI	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDJ	PRODUCTION
<i>SEE JP MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDK	PRODUCTION
<i>SEE JP MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDL	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDO	PRODUCTION
<i>SEE JP MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDQ	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDR	PRODUCTION
<i>SEE JP MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDT	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDU	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDV	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDW	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC</i>			
J.P. MORGAN SECURITIES LLC	103	JSDX	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC(JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDY	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSDZ	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSEA	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES, LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSEB	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES, LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSED	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES, LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSEF	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES, LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSEG	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSEH	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSEV	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSFD	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSGN	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSHB	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSHG	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSHH	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSHI	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSHP	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSHQ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSHR	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSHU	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSHX	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSKJ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSLP	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSMF	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSMH	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSMR	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSMT	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSMW	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSPH	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSPI	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSPM	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSPN	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSPU	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSPW	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>	103	JSPY	PRODUCTION
J.P. MORGAN SECURITIES LLC	103	JSPZ	PRODUCTION

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSUD	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWC	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWE	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWG	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWK	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWL	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWM	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWN	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWO	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWP	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWQ	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSWR	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSYA	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSYB	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSYD	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSYF	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSZN	PRODUCTION
<i>SEE JP MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSZO	PRODUCTION
<i>SEE JP MORGAN SECURITIES, LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSZP	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSZQ	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JSZR	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JTAA	PRODUCTION
<i>SEE J.P. MORGAN SECURITIES LLC (JPFD)</i>			
J.P. MORGAN SECURITIES LLC	103	JTAB	PRODUCTION
<i>SEE J.P.MORGAN SECURITIES LLC (JPFD)</i>			

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAD	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE JP MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAE	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAF	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAH	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAI	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAJ	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAK	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAL	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAM	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAN	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAP	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAR	PRODUCTION
J.P. MORGAN SECURITIES LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JTAS	PRODUCTION
J.P. MORGAN SECURITIES LLC ALLOCATIONS EMAIL ALLOCATIONS EMAIL RTTM / AOTS	107 <i>HOTLINE</i>	MBCE <i>mbs.allocations@jpmorgan.com</i> <i>mbs.tradeassignments@jpmorgan.com</i>	PRODUCTION <i>(302) 634-1842</i>
J.P. MORGAN SECURITIES, LLC <i>SEE J.P. MORGAN SECURITIES LLC (JPFDF)</i>	103	JESQ	PRODUCTION
JANNEY MONTGOMERY SCOTT LLC JOSEPH AZOR MIDDLE OFFICE JOSEPH CLEMENT EDWARD COLLOTON KEVIN SOUDER MARK GRESS ALAN SMITH MARK KOBZAR CARRIE PAPP	458 <i>SETTLEMENT INFORMATION</i> <i>POOL INFORMATION</i> <i>SETTLEMENT INFORMATION</i> <i>MANAGER</i>	JMSL	PRODUCTION <i>(215) 665-1228</i> <i>(215) 665-6621</i> <i>(215) 665-6065</i> <i>(215) 665-6597</i> <i>(215) 665-4505</i> <i>(215) 665-6247</i> <i>(215) 665-6300</i> <i>(215) 665-1654</i> <i>(215) 665-6276</i>
JEFFERIES LLC JULIUS PELLEGRITO ALLOCATIONS	435 <i>VP / MANAGER</i> <i>JEFFERIESMBSALLOC@Broadridge.com</i>	JEFF	PRODUCTION <i>(201) 761-7672</i> <i>(201) 793-9111</i>

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
LIBERTY MUTUAL GROUP INC. EMDADUR RAHMAN STEPHEN VACCARO TARIK EMARA SELINA INGERSOLL EDVIN KUMI	430	LMUT	PRODUCTION (857) 224-6343 (617) 654-4722 (857) 224-2967 (617) 574-5540 (857) 224-4542
LOOMIS, SAYLES & COMPANY, LP JAN SHARP DEVON MCKENNA BRIAN URETZKY PHYLLIS HANSON	379 MANAGER POOL INFO POOL INFO TECHNICAL	LOOM	PRODUCTION (617) 346-9855 (617) 960-2041 (617) 346-9764 (617) 748-1749
LORD, ABBETT & CO., LLC AL DIDONATO KEVIN YUAN REBECCA DONDIEGO LENA MEDOVOY MITESH RAJANI SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO	280 MANAGER SUPERVISOR POOL INFO POOL INFO TECHNICAL	LORD	PRODUCTION (201) 827-2604 (201) 827-2158 (201) 827-2503 (201) 827-2806 (201) 827-2671
MACQUARIE MANAGEMENT HOLDINGS, INC JOE FIORILLA DAVE HULLHORST LINDA LILLARD	439 MANAGER POOL INFO TECHNICAL	DMHI	PRODUCTION (212) 255-2321 (215) 255-1347 (215) 255-2824
MANULIFE ASSET MANAGEMENT (US) LLC JOAN RIEDEL JOSEPH ROTHWELL ALEXIS HETHERINGTON	456 DIRECTOR TEAM LEADER TECHNICAL	MANU	PRODUCTION (617) 375-1763 (617) 375-4752 (617) 375-1859
MAREX CAPITAL MARKETS INC. BRENT POSNER RICHARD GILL	475	EDFM	PRODUCTION (212) 618-2809 (212) 618-2863
MASSACHUSETTS FINANCIAL SERVICES COMPANY MATT PARKER	463 MANAGER	MFSC	PRODUCTION (617) 954-5313
MEAG NEW YORK CORPORATION VIVIAN FAN SHANNON M. PACHECO	159 TECHNICAL DIRECTOR OF OPS	MEAG	PRODUCTION (212) 583-4831 (212) 583-4813
MELLON INVESTMENTS CORPORATION MCM MIDDLE OFFICE AND SETTLEMENT GROUPS MCM MIDDLE OFFICE AND SETTLEMENT GROUPS ALI SCOTT CESAR BLENGINO AGGIE ZAU	384 CLEAR-FIXEDINCOME@MCM.COM FI-SETTLEMENT@MCM.COM MANAGER POOL INFORMATION POOL INFORMATION	MCMC	PRODUCTION (415) 975-3416 (415) 975-2303 (415) 975-3151

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
MIRAE ASSET SECURITIES SEE MIRAE ASSET SECURITIES (MASU)	492	MASD	PRODUCTION
MIRAE ASSET SECURITIES SEE MIRAE ASSET SECURITIES (MASU)	492	MASE	PRODUCTION
MIRAE ASSET SECURITIES SEE MIRAE ASSET SECURITIES (MASU)	492	MASG	PRODUCTION
MIRAE ASSET SECURITIES SEE MIRAE ASSET SECURITIES (MASU)	492	MASH	PRODUCTION
MIRAE ASSET SECURITIES SEE MIRAE ASSET SECURITIES (MASU)	492	MASI	PRODUCTION
MIRAE ASSET SECURITIES (USA) INC SEE MIRAE ASSET SECURITIES (MASU)	492	MASA	PRODUCTION
MIRAE ASSET SECURITIES (USA) INC SEE MIRAE ASSET SECURITIES (MASU)	492	MASB	PRODUCTION
MIRAE ASSET SECURITIES (USA) INC SEE MIRAE ASSET SECURITIES (MASU)	492	MASC	PRODUCTION
MIRAE ASSET SECURITIES (USA) INC SEAN EINHART DAVID WONG FIXED INCOME TRADE SUPPORT	492	MASU DIRECTOR OPERATIONS EXECUTIVE DIRECTOR- OPERATIONS GROUP E-MAIL	PRODUCTION (646) 968-2030 (646) 968-2030 (646) 968-2031
MIZUHO CORPORATE BANK LIMITED SEE MIZUHO SECURITIES USA INC (MZNY)	471	MITD	PRODUCTION
MIZUHO CORPORATE BANK LIMITED THELMA HOLT JOSEPH TERRIZZI	471	MZNY MANAGER MBS/POOL/SETTLEMENT INFO	PRODUCTION (201) 626-9493 (201) 626-9489
MIZUHO SECURITIES USA INC SEE MIZUHO SECURITIES USA INC (MSUS)	390	MSUI	PRODUCTION
MIZUHO SECURITIES USA INC RICHARD VISCO MICHAEL SIDHOM KEVIN KIELY FAX	390	MSUS DIRECTOR	PRODUCTION (201) 626-1288 (212) 205-7529 (212) 205-7529 (917) 338-0298
MORGAN STANLEY & CO LLC SETH JABLON YVONNE MOSLEY BILL HORAN BRIAN DUFFY BRENDA MITCHELL BONNY MANUEL BEN STONER SIERRA JOHNSON AMELIA BROWNE ALLOCATIONS/RTTM TRADE ASSIGNMENTS	132	MBMS VICE PRESIDENT TEAM LEAD/ALLOCATIONS DIRECTOR ALLOCATIONS DIRECTOR ALLOCATIONS DIRECTOR ALLOCATIONS DIRECTOR TEAM LEAD/MBSCC DIRECTOR RTTM RTTM RTTM mbs.allocations@morganstanley.com mbsaotteam@morganstanley.com	PRODUCTION (443) 627-4692 (443) 627-6322 (212) 762-3597 (212) 761-3598 (443) 627-5200 (443) 627-6508 (212) 762-3593 (443) 627-5684 (443) 627-5457 (443) 627-4738 (212) 296-4277

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
MORGAN STANLEY INVESTMENT MANAGEMENT, INC.	250	MSDW	PRODUCTION
DOUGLAS DRYER	POOL INFO (PRIMARY CONTACT)		(610) 576-3004
INGRID COLLADO	POOL INFO (SECONDARY CONTACT)		(610) 576-2484
JENNIFER ACCOMANDO	ED (ESCALATION CONTACT)		(212) 296-0670
MARGARET JOSEPH	VP (ESCALATION CONTACT)		(212) 296-7018
LISSETTE CRESPO	DIRECTOR (ESCALATION CONTACT)		(212) 296-0918
MUFG SECURITIES AMERICAS INC	480	MUSA	PRODUCTION
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	NBLB	PRODUCTION
SEE NATIONAL FINANCIAL SERVICES LLC. (NFSL)			
NATIONAL FINANCIAL SERVICES LLC.	417	CBTD	PRODUCTION
SEE NATIONAL FINANCIAL SERVICES LLC. (NFSL)			
NATIONAL FINANCIAL SERVICES LLC.	417	NFSL	PRODUCTION
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	HUCO	PRODUCTION
SEE NATIONAL FINANCIAL SERVICES, LLC (NFSL)			
NATIXIS SECURITIES AMERICAS, LLC	466	NSAL	PRODUCTION
CHRIS KOSTOPOULOS	MANAGER		(212) 872-5028
GARY DIBBLE	MBS/POOL/SETTLEMENT INFO		(212) 872-5022
NAVY FEDERAL CREDIT UNION	541	NFCU	PRODUCTION
MARK BAUER	ALLOCATIONS		(703) 206-2345
AGNES MARISA	DIRECTOR OF OPS		(703) 255-8227
WILLIAM TABRI	MANAGER		(703) 206-4014
NEUBERGER BERMAN INVESTMENT ADVISERS LLC	952	LINC	PRODUCTION
LINDA SEGER	MANAGER		(312) 879-8426
TIM MCEVILLY	MANAGER		(312) 559-2880
LINDA MEDEL	POOL INFO		(312) 627-4316
CHRIS NAKATSUKA	POOL INFO		(312) 879-8390
SARAH ABBOTT	TECHNICAL		(312) 325-7791
KENNY KWAN	POOL INFO		(312) 879-8434
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
MANAGER HOTLINE / TIM MCEVILLY			(312) 559-2880

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
NISA INVESTMENT ADVISORS, LLC JULIE CHAUVIN TRADING GROUP JAMES SOWERS TRADING GROUP ELLIOT GROSS FAX REBECCA BRUENNING	271 MANAGER HOTLINE GROUP LEADER POOL INFO TECHNICAL FAX SENIOR MANAGER	NISA	PRODUCTION (314) 721-9314 (314) 721-7784 (314) 721-9304 (314) 721-7784 (314) 721-7708 (314) 862-2119 (314) 726-9323
NOMURA SECURITIES INTERNATIONAL, INC. CARLINE MURPHY ALLOCATIONS FICC HOTLINE	421 VICE PRESIDENT NOMUALLOCATIONS@US.NOMURA.CO NOMURAFICC@NOMURA.COM	NOMU	PRODUCTION (212) 667-9550 (212) 667-9491 (212) 667-9698
NOMURA SECURITIES INTERNATIONAL, INC./PROP. SEE NOMURA SECURITIES INTERNATIONAL, INC.(NOMU)	421	NOMP	PRODUCTION
NORTHERN TRUST INVESTMENTS N.A. ALI BLEECKER WENDY MAVEETY TOM REINERT JONATHAN HODDINOTT	385 SVP POOL INFORMATION POOL INFORMATION POOL INFORMATION	NTIV	PRODUCTION (312) 444-7675 (312) 557-5267 (312) 557-1998 (312) 444-5177
NUVEEN ASSET MANAGEMENT, LLC JOE STERN JESSICA NELSON DARRON NELSON	453 AVP MBS TECHNICAL	NAML	PRODUCTION (612) 303-4251 (612) 303-3486 (612) 303-3401
NYL INVESTORS LLC MBS GROUP FRANK MARTINO KIMBERLY MCDOYLE BHAVIK SHAN	412 MBS GROUP HOTLINE MANAGER MANAGER TECHNICAL	NYLI	PRODUCTION (212) 576-5553 (212) 576-5311 (212) 576-7495 (212) 576-6440
OPPENHEIMER & CO. INC. ANGELO MESSINA PETER PETERSON ADAM POPPER	431 ASSOCIATE Angelo.Messina@opco.com ASSOCIATE Peter.Peterson@opco.com MANAGER Adam.Popper@opco.com	OPCO	PRODUCTION (516) 946-9064 (212) 668-5069 (212) 667-5928
PACIFIC INVESTMENT MANAGEMENT COMPANY LLC ANDY KIM ALLOCATIONS HOTLINE ALLOCATIONS FAX SCOTT LEE NETWORK OPERATING CENTER HOTLINE	180 VP POOL INFORMATION TECHNICAL TECHNICAL HOTLINE	PMCO	PRODUCTION (949) 932-4868 (949) 932-4888 (949) 932-1694 (949) 932-1612 (949) 932-1600
PALAFIX TRADING, LLC RICHARD MORSE POOL INFORMATION SETTLEMENTS KAREN JONES FICC	403 SVP HOTLINE SETTLEMENTS MANAGER FICC HOTLINE	PATL	PRODUCTION (312) 444-5307 (312) 630-6234 (312) 443-5350 (312) 395-2874 (312) 443-2846

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
PARTNER RE ASSET MANAGEMENT CORP JOSEPH ENGLANDER CHRIS LIBERTI HEATHER LOCKLEAR	399 MANAGER POOL INFORMATION POOL INFORMATION	PRAM	PRODUCTION (203) 485-4634 (203) 485-8016 (203) 485-8125
PERSHING, LLC KIRK STAINE MBSCC/AOT ALLOCATIONS HANS MENOS FINNY THOMAS LIZETTE BARQUERO-DESIMONE OLGA RUEDA VIDHYA CHANDRAMOHAN FAX NUMBER	343 VP PRSHFICC@pershing.com MBSALLOC@bnymellon.com ALLOCATIONS/POOL INFO ALLOCATIONS/POOL INFO MBSCC/POOL INFO MBSCC/SETTLEMENTS TECHNICAL	PRSH	PRODUCTION (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
PGIM, INC CARLOS JUNCHAYA GLENN ALABADO MICHELE FULLON DAVID RUSHFORTH	263 MANAGER POOL INFO POOL INFO POOL INFO	PGAM	PRODUCTION (973) 367-4649 (973) 367-1969 (973) 367-1492 (973) 802-2598
PNC BANK NATIONAL ASSOCIATION JEFFREY SZALKUSKI DANIEL ANTONUCCI ERIN PEASLEE TRADE CAPTURE SETTLEMENT EMAIL DAKOTA RECTOR BRANDON TURNER BRITTNIE KOHL JESSICA JACOBS	369 SETTLEMENTS SETTLEMENTS SETTLEMENTS securitiestradeCapture@pnc.com SECSETT@PNC.COM TRADE COMPARISON/ALLOCATION TRADE COMPARISON/ALLOCATION TRADE COMPARISON/ALLOCATION SETTLEMENTS	PNCB	PRODUCTION (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	PNCB	PRODUCTION
PNC BANK, N.A. SEE PNC BANK NATIONAL ASSOCIATION (PNCB)	369	PNCB	PRODUCTION
PNC BANK, N.A. SEE PNC BANK NATIONAL ASSOCIATION (PNCB)	369	PNCB	PRODUCTION
PNC CAPITAL MARKETS LLC SEE PNC BANK NATIONAL ASSOCIATION (PNCB)	495	PNCT	PRODUCTION
PPM AMERICA INC. BOB GRAHAM ANDY SCHLEIGER JOHNNY CONNOR TOM LEKAS MANAGER HOTLINE	396 MANAGER POOL INFORMATION POOL INFORMATION TECHNICAL	PPMA	PRODUCTION (312) 634-2584 (312) 634-7887 (312) 634-1294 (312) 634-1224 (312) 634-2600
PUTNAM INVESTMENTS LLC KATE HENRY ANGELA PATEL STEVE LUKEN	244 ALLOCATIONS/POOL INFO ALLOCATIONS/POOL INFO TECHNICAL	PUTM	PRODUCTION (617) 760-1300 (617) 760-1300 (617) 760-1097

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
RAYMOND JAMES & ASSOCIATES INC. MAGALY CASTANON AGNES SKRZPEK GREG MALEC LEHIGH HAZELGROVE	181 POOL INFORMATION POOL INFORMATION MANAGER SETTLEMENTS	RAJA	PRODUCTION (727) 567-2975 (727) 567-2971 (248) 213-1000 (901) 524-4198
RAYMOND JAMES & ASSOCIATES INC. SEE RAYMOND JAMES & ASSOCIATES INC. (RAJA)	181	RJFI	PRODUCTION
RBC CAPITAL MARKETS LLC SEE RBC CAPITAL MARKETS, LLC	245	SPEX	PRODUCTION
RBC CAPITAL MARKETS, LLC / RBC CAPITAL MARKETS ROB ANCONA MBSCC ALLOCATIONS TOM SARTORIO FAX CM-USA-MBS Allocations	245 DIRECTOR ALLOCATIONS TECHNICAL SUPPORT ALLOCATIONS CM-USA-MBSAllocations@rbc.com	DRBC	PRODUCTION (212) 618-2752 (212) 618-2755 (212) 618-2755 (212) 858-6085 (212) 618-2754
REGIONS FINANCIAL CORPORATION CHERYL LLOYD GREG WILLIAMS	455 MANAGER TECHNICAL	RBFC	PRODUCTION (205) 264-5870 (205) 261-4604
ROBERT W. BAIRD & CO. INCORPORATED POOL INFO POOL INFO BACK-UP LINE LAURA PREISSNER STEVE KAYE VERONICA ARIAS NICHOLAS STORCH RONALD FOELSKE ALLEN FINEFIELD CHRIS PAJEWSKI TAMMY JASINSKI WENDY WOLFE MATT SCHNEIDER	331 MANAGER TECHNICAL VARIAS@RWBAIRD.COM NSTORCH@RWBAIRD.COM RFOELSKE@RWBAIRD.COM AFINEFIELD@RWBAIRD.COM CPAJEWSKI@RWBAIRD.COM TJASINSKI@RWBAIRD.COM WWOLFE@RWBAIRD.COM MCSCHNEIDER@RWBAIR.COM	RWBC	PRODUCTION (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 MARK TOOMER MARK CATALANO DIANE GUILLAUME TRADE ASSIGNMENTS JOHN DUDAS ALLOCATIONS EMAIL	445 MBS ALLOCATIONS/OPERATIONS MBS OPERATIONS mbs.allocations@santander.us MBS SETTLEMENTS MANAGER mbs.allocations@santander.us	PPTS	PRODUCTION (302) 533-2915 (203) 428-2523 (713) 888-9126 (302) 533-2905
SEMPER CAPITAL MANAGEMENT, L.P. ALEX SOLOWAY VITALY OSTROVSKY DAN ROSENBAUM FAX #	275 HEAD OF OPERATIONS OPERATIONS OPERATIONS	UCML	PRODUCTION (212) 612-9062 (212) 612-9027 (212) 612-9066 (212) 425-4199

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
SG AMERICAS SECURITIES LLC STEPHANIE SARNO TEODORO DIANGSON JOHN LOPRESTI	338 MANAGER POOL INFO/MBS TECHNICAL	FIAT	PRODUCTION (201) 839-8986 (201) 839-8987 (646) 557-7934
SG AMERICAS SECURITIES LLC SEE SG AMERICAS SECURITIES, LLC (FIAT)	338	GORD	PRODUCTION
SG AMERICAS SECURITIES LLC SEE SG AMERICAS SECURITIES, LLC (FIAT)	338	NAAR	PRODUCTION
SG AMERICAS SECURITIES LLC SEE SG AMERICAS SECURITIES, LLC (FIAT)	338	NFPI	PRODUCTION
SG AMERICAS SECURITIES LLC SEE SG AMERICAS SECURITIES, LLC (FIAT)	338	SGVR	PRODUCTION
SG AMERICAS SECURITIES, LLC SEE SG AMERICAS SECURITIES, LLC (FIAT)	338	MEDL	PRODUCTION
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG SEE SG AMERICAS SECURITIES, LLC (FIAT)	338	SGBB	PRODUCTION
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG SEE SG AMERICAS SECURITIES, LLC (FIAT)	338	SGCC	PRODUCTION
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG SEE SG AMERICAS SECURITIES, LLC (FIAT)	338	SGDD	PRODUCTION
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG SEE SG AMERICAS SECURITIES, LLC (FIAT)	338	SGRG	PRODUCTION
SOUTH STREET SECURITIES LLC DONALD WEBBE KABIR VADERA MONICA URENA RICHARD ANDREW	425 MANAGER POOL / SETTLEMENT INFO POOL / SETTLEMENT INFO GENERAL POOL INFO	SSTR	PRODUCTION (212) 803-5050 (212) 824-0738 (212) 824-0738 (212) 824-0738
STATE OF WISCONSIN INVESTMENT BOARD MIKE SHEARER	486	SWIB	PRODUCTION (608) 266-2932
STIFEL NICOLAUS & COMPANY INC. HOTLINE HOTLINE JEN RATERMANN BARB MISIEWICZ CHERYL GIBSON FAX #	393 MBS POOL INFORMATION MANAGER TRADE SUPPORT/MBS DIRECTOR TRADE SUPPORT/MBS MBS	SNCI	PRODUCTION (314) 342-2048 (314) 342-2048 (314) 342-2048 (314) 342-2044 (314) 342-2052 (314) 342-2971
STONEX FINANCIAL INC./IBD CLEARING JAMES HUGHES SCOTT YARBOROUGH TRADING SUPPORT BUTCH HOPKINS	339 DIVISION MANAGER MANAGER MBS/POOL INFO TECHNICAL	AGEE	PRODUCTION (205) 414-7304 (205) 414-7289 (205) 414-7299 (205) 414-7321
STONEX FINANCIAL, INC CHRIS TALBOTT NETWORK OPS	358 MANAGING DIRECTOR	IFSF	PRODUCTION (212) 379-5545 (888) 432-7647

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
T. ROWE PRICE ASSOCIATES, INC.	345	TROW	PRODUCTION
JOHN SADOWSKI	MANAGER		(410) 345-2161
PEGGY HAYWARD	POOL INFO		(410) 345-2149
STEPHEN A HAAS	POOL INFO		(410) 345-2089
SHARON HOUSEKNECHT	TECHNICAL		(410) 345-6677
MBS TRADING DESK			(410) 345-2500
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
TCW ASSET MANAGEMENT COMPANY LLC	207	TCWA	PRODUCTION
JAMIE MELAS	VICE PRESIDENT		(213) 244-1071
SETTLEMENTS HOTLINE	SETTLEMENTS		(213) 244-0879
TD SECURITIES	212	TDSC	PRODUCTION
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.C		
THE BANK OF NEW YORK MELLON	382	BONY	PRODUCTION
ERIC STEPHANS	VICE PRESIDENT		(412) 234-5814
PATRICK KOHANSKI	ASSOCIATE		(315) 362-1538
LEA NAPIERKOWSKI	TRADE SPECIALIST		(412) 234-8134
GREGORY SPELAR	TRADE SPECIALIST		(412) 234-9294
COLLEEN MCCAULEY	TRADE SPECIALIST		(412) 236-4476
SCOTT FELLO	WORKFLOW COORDINATOR		(315) 362-1516
THE VANGUARD GROUP, INC.	400	VGRI	PRODUCTION
PHIL SAPOVITS			(610) 669-0504
CHRIS KENDER	DIRECTOR OPERATIONS		(610) 669-2927
TRISHA LUNOVA	TECHNICAL		(610) 669-7778
TIAA - CREF CORE BOND FUND	294	CMIB	PRODUCTION
SEE CREF/BOND MARKET ACCOUNT (CBMA)			
TIAA - CREF CORE PLUS BOND FUND	295	CMBP	PRODUCTION
SEE CREF/BOND MARKET ACCOUNT (CBMA)			
TIAA -CREF LIFE FUNDS-CORE BOND FUND	482	CRLF	PRODUCTION
SEE CREF/BOND MARKET ACCOUNT (CBMA)			
TIAA-CREF CORE IMPACT BOND FUND	481	CRSC	PRODUCTION
SEE CREF/BOND MARKET ACCOUNT (CBMA)			
TP ICAP GLOBAL MARKETS AMERICAS LLC	111	MBPC	PRODUCTION
CHRISTINE CIPRIANI			(201) 984-6688
GARRY BERNSTEIN			(201) 557-5521
RUBY GINSBERG			(201) 557-5090
MBSD HOTLINE/ POOL NETTING			(201) 984-6636
ALLOCATIONS HOTLINE			(201) 984-6635
ALLISON ROSSI			(201) 984-6642
TP ICAP GLOBAL MARKETS AMERICAS LLC/ICAP	139	MGAR	PRODUCTION
MICHAEL LEZZO	SENIOR OPERATIONS MANAGER		(201) 209-7847
ALICE WILKINS	MBS		(212) 815-9367
LAWRENCE GUTIERREZ	MBS		(212) 815-6838
HOTLINE			(212) 815-6690

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
TRUIST BANK RICH TYSON DEBBIE HARRELL-CAYTON	347 MANAGER ALLOCATIONS/POOL INFO	BBAT	PRODUCTION (336) 733-2856 (336) 733-2988
TRUIST BANK KATIE LINDAHL SCOT HENRY ANDY BALL LAUREN CAIN FRANK BLACK MICHAEL ALLEN	347 POOL INFO/ALLOCATIONS FVP SVP POOL INFO/ALLOCATIONS TECHNICAL POOL INFO/ALLOCATIONS	BBTC	PRODUCTION (919) 745-5888 (804) 387-1597 (919) 745-5877 (919) 745-5883 (252) 296-0103 (919) 745-5878
U.S. BANK N.A. GREG EVANSKY MIKE KABAKOV BRIANNE DOUGLAS	467	USBK	PRODUCTION (952) 876-5390 (952) 876-5395 (952) 876-5399
UBS GLOBAL ASSET MANAGEMENT (AMERICAS) INC. NEAL WILSON FIXED INCOME OPERATIONS CHRIS FULLER	442 OPERATIONS OPERATIONS TECHNICAL	USAM	PRODUCTION (312) 525-7255 (312) 525-7255 (312) 525-7887
UBS SECURITIES LLC SEE UBS SECURITIES LLC (MBPA)	136	MBPB	PRODUCTION
UBS SECURITIES LLC SEE UBS SECURITIES LLC (MBPA)	136	MBPD	PRODUCTION
UBS SECURITIES LLC SEE UBS SECURITIES LLC (MBPA)	136	MBPO	PRODUCTION
UBS SECURITIES LLC SEE UBS SECURITIES LLC (MBPA)	136	MBWH	PRODUCTION
UBS SECURITIES LLC. ANNEMARIE BOWMAN NICOLE ENGLISH ALLOCATIONS/MBSCC/TRADE ASSIGNMENTS MBS OPERATIONS HOTLINE SANDEEP ACHUTHAN CLEARANCE	136 DIRECTOR ASSOCIATE DIRECTOR OL-MBPA-MBSOPSALLOC@UBS.COM MBS OPS TECHNICAL + 48 694 349 996 ol-settlements-nj@ubs.com	MBPA	PRODUCTION (212) 713-4323 (212) 713-4852 (212) 713-4323 (212) 713-4323 (212) 713-4323 (615) 332-6301
VIRGINIA RETIREMENT SYSTEM KATIE SIMMONS JOHN MCGRATH RICHARD MOORE	477 MANAGER / POOL INFO POOL INFO IT	VAR5	PRODUCTION (804) 775-3512 (804) 697-6681 (804) 771-7386

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
VOYA INVESTMENT MGMT CO LLC	318	AELT	PRODUCTION
KEN DONOHUE	MANAGER		(770) 690-4767
TREVOR SINGH	POOL INFO		(770) 690-4783
JEFF DAVENPORT	POOL INFO		(770) 690-4632
JUNE BLACKMAN	POOL INFO		(770) 690-4705
CAROL MARTINCHEK	POOL INFO		(860) 275-2326
KAREN BERGMAN	POOL INFO		(860) 275-2468
VOYA INVESTMENT MGMT CO LLC	318	ILML	PRODUCTION
KEN DONOHUE	MANAGER		(770) 690-4767
TREVOR SINGH	POOL INFO		(770) 690-4783
JEFF DAVENPORT	POOL INFO		(770) 690-4632
JUNE BLACKMAN	POOL INFO		(770) 690-4705
CAROL MARTINCHEK	POOL INFO		(860) 275-2326
KAREN BERGMAN	POOL INFO		(860) 275-2468
WEDBUSH SECURITIES INC	448	WEDB	PRODUCTION
RENE ECHIVERRI	MANAGER		(213) 688-4309
DAVID COLVILLE	SENIOR VICE PRESIDENT		(213) 688-8015
JOHN VALDEZ			(213) 688-4363
JUSTIN MATSUKAWA			(213) 688-4588
WELLINGTON MANAGEMENT COMPANY, LLP	201	WELL	PRODUCTION
ANNE COLUCCI	MANAGER		(617) 951-5813
MEAGEN SWEENEY	ASSISTANT MANAGER		(617) 951-5941
REBECCA POND	POOL INFO		(617) 951-5845
MATTHEW WHITTIER	POOL INFO		(617) 951-5982
ERIK TUMASZ	TECHNICIAL		(617) 790-7229
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
WELLS FARGO BANK, N.A.	954	NWBL	PRODUCTION
SEE WELLS FARGO BANK, N.A. (NWST)			
WELLS FARGO BANK, N.A.	954	NWST	PRODUCTION
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	WBPT	PRODUCTION
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	FNBP	PRODUCTION
ERIK REINHART	OPERATIONS		(704) 593-7307
PETER HORNING	MANAGER		(704) 427-5035
EDWIDGH LEGER	ALLOCATIONS		(704) 427-5063
JASON ANDERSON	ALLOCATIONS		(704) 427-5065
JAY NORMAN	TECHNICAL		(704) 593-7567

<u>Participant</u>	<u>Part#</u> <u>Title</u>	<u>Symbol</u>	<u>Acct status</u> <u>Phone#</u>
WELLS FARGO CLEARING SERVICES LLC NICHOLAS CROW BRIDGETTE VUNETICH LYNN ZIMMER	189 MANAGER	MBAG	PRODUCTION (612) 478-3017 (314) 875-7297 (314) 875-7285
		<i>Lawanda.Davis@firstclearing.com</i>	
WELLS FARGO SECURITIES, LLC SEE WELLS FARGO BANK, N.A./WACHOVIA (WBPT)	956	WFSA <i>mbs.allocations@wellsfargo.com</i>	PRODUCTION
WESTERN ASSET MANAGEMENT CO. EIKI HATAKEYAMA JESSICA CHANG ALLOCATIONS HOTLINE JIMMY TRAN SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO	214 SUPERVISOR MANAGER TECHNICAL	WAMC	PRODUCTION (626) 844-9485 (626) 844-4801 (626) 844-4860 (626) 817-5510