March 7th, 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
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 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.

DTCC Public (White)

Participant	Part# / Title	Symbol	Acct status / Phone#
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			
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*
APEX CLEARING CORPORATION	**364**	**ADPC**	**PRODUCTION**
ERROL A JONAS	*SUPERVISOR*		*(516) 472-5080*
ALLOCATIONS	*MBSCC*		*(866) 502-7369*
TRADE ASSIGNMENTS FAX#			*(646) 390-3328*
ALLOCATIONS FAX			*(516) 472-5404*

Participant	Part# / Title	Symbol	Acct status / Phone#
APG ASSET MANAGEMENT US INC	**268**	**ABPI**	**PRODUCTION**
KELLIE CHAPPELL	*VP - POOL INFO*		*(917) 368-3527*
MARTELLA NODA	*VP - POOL INFO*		*(917) 368-3524*
LARA RASKIN	*AVP - POOL INFO*		*(917) 368-2422*
HANS LANSLOTS	*TECHNICAL*		*(917) 360-3501*
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
ARCOLA SECURITIES, INC.	**447**	**RCAP**	**PRODUCTION**
JASON KUMP	*MANAGER*		*(646) 829-0141*
BANK OF AMERICA, N.A.	**252**	**BACI**	**PRODUCTION**
CHRISTOPHER GLYNN	*MANAGER*		*(908) 388-4872*
ALLOCATIONS / POOL INFO			*(980) 386-9430*
MBSCC/TRADE ASSIGNMENTS	*Dg.mbs_allocations@bankofamerica.com*		
BANK OF AMERICA, N.A.	**252**	**BACW**	**PRODUCTION**
SEE BANK OF AMERICA, N.A. (BACI)			
BANK OF AMERICA, N.A.	**252**	**BAFS**	**PRODUCTION**
SEE BANK OF AMERICA, N.A. (BACI)			
BANK OF AMERICA, N.A.	**252**	**BAML**	**PRODUCTION**
SEE BANK OF AMERICA, N.A. (BACI)			
BANK OF AMERICA, N.A.	**252**	**BAMR**	**PRODUCTION**
SEE BANK OF AMERICA, N.A. (BACI)			
BANK OF MONTREAL, CHICAGO BRANCH	**176**	**BMTL**	**PRODUCTION**
CHRIS WAGNER			*(312) 845-5030*
ROBERT VACCA	*DIRECTOR OF OPS*		*(646) 640-1260*
BANK OF OKLAHOMA N.A.	**305**	**BOKF**	**PRODUCTION**
JOHN COFFMAN	*VP*		*(405) 272-2088*
DORLINDA DILL	*POOL INFO*		*(405) 272-2010*
SUSAN LEDFORD	*POOL INFO*		*(405) 272-2210*
DREW JUDD	*POOL INFO*		*(405) 272-2162*
RICHARD RUMSEY	*TECHNICAL*		*(405) 951-0210*
BARCLAYS CAPITAL INC.	**350**	**BCAP**	**PRODUCTION**
KRISTIAN HAKANSON	*VP*		*(212) 320-7397*
ALLOCATIONS HOTLINE			*(201) 499-0388*
MBS/GOV'T CLEARANCE			*(201) 499-2860*
FICC HOTLINE			*(201) 499-3076*
ALLOCATION E-MAIL	*mbsallocation@barclays.com*		
ASSIGNMENT E-MAIL	*xrambscctradeassignm@barclays.com*		
TBA PAIR OFF E-MAIL	*mbsasstsrvg@barclays.com*		
BARINGS LLC	**444**	**BCML**	**PRODUCTION**
JIM BERWICK	*TRADE OPERATIONS MANAGER*		*(704) 805-7348*
SANDRINE GIACOMO	*HEAD OF CONTROL +44(0)20 7214 1933*		*(413) 226-1316*
SYLVAIN BLONDEL	*ADMIN*		*(704) 232-2483*
BETHESDA SECURITIES LLC.	**420**	**BETH**	**PRODUCTION**
ANDREW SULLIVAN	*MANAGER*		*(203) 429-0724*
OPERATIONS GROUP			*(203) 429-0714*
OPERATIONS EMAIL	*BethOps@BethesdaSecurities.com*		
BGC FINANCIAL L.P.	**409**	**EBKR**	**PRODUCTION**
SEE BGC FINANCIAL L.P. (FCGB)			

Participant	Part# / Title	Symbol	Acct status / Phone#
BGC FINANCIAL, L.P.	**409**	**FCGB**	**PRODUCTION**
WILLIAM MURPHY	*MANAGING DIRECTOR*		*(904) 598-9261*
HENRY ROSENBLUM	*SENIOR VICE PRESIDENT*		*(904) 598-9308*
MBS ALLOCATIONS	*mbsallocations@cantor.com*		*(212) 829-4914*
BLACKROCK, INC.	**253**	**BLRK**	**PRODUCTION**
DREW BURTON	*MANAGER*		*(302) 797-6365*
JACK FONDACARO	*MANAGER*		*(302) 797-6052*
HELEN ZHANG	*TECHNICAL*		*(212) 810-3856*
JAMES STEWART	*TECHNICAL*		*(415) 670-2043*
HOTLINE	*TECHNICAL*		*(212) 810-3550*
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
BMO CAPITAL MARKETS CORP	**484**	**BMOC**	**PRODUCTION**
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**	**BNPP**	**PRODUCTION**
NETANEL COHEN	*MANAGING DIRECTOR*		*(212) 340-5400*
POOL INFO	*POOL INFO*		*(212) 841-2479*
FAX			*(929) 226-6959*
FRED SCHEIER	*TECHNICAL*		*(212) 841-3176*
ALLOCATION EMAIL	*mbs.allocations@americas.bnpparibas.co*		
BNP PARIBAS SECURITIES CORP	**346**	**BNPX**	**PRODUCTION**
SEE BNP PARIBAS SECURITIES (BNPP)			
BNY MELLON CAPITAL MARKETS, LLC	**395**	**BNYM**	**PRODUCTION**
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*

Participant	Part# / Title	Symbol	Acct status / Phone#
BOFA SECURITIES INC	**126**	**MBBA**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**126**	**MBNB**	**PRODUCTION**
CHRISTOPHER GLYNN	*MANAGER*		*(980) 386-9430*
ALLOCATIONS / POOL INFO	*Dg.mbs_allocations@bankofamerica.com*		*(980) 386-9430*
MBSCC/TRADE ASSIGNMENTS	*Dg.mbs_allocations@bankofamerica.com*		*(980) 386-9430*
BOFA SECURITIES INC	**371**	**MLCH**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLCJ**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLDB**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLDC**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLDE**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLDF**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLDJ**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLDK**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLDL**	**PRODUCTION**
SEE BOFA SECURITIES LLC (MBNB)			
BOFA SECURITIES INC	**371**	**MLDR**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLGA**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLHB**	**PRODUCTION**
SEE BOFA SECURITIES LLC (MBNB)			
BOFA SECURITIES INC	**371**	**MLPC**	**PRODUCTION**
SEE BOFA SECURITIES (MBNB)			
BOFA SECURITIES INC	**371**	**MLPD**	**PRODUCTION**
SEE BOFA SECURITIES (MBNB)			
BOFA SECURITIES INC	**371**	**MLPF**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BOFA SECURITIES INC	**371**	**MLVO**	**PRODUCTION**
SEE BOFA SECURITIES INC (MBNB)			
BRANDYWINE GLOBAL INV	**478**	**BWGI**	**PRODUCTION**
	OPERATIONS HOTLINE		*(215) 609-3936*
WALTER COPELAND	*DIRECTOR OF OPS*		*(215) 609-3651*
JOSEPH COLUCCIO	*TECHNICAL*		*(212) 617-6820*
AMANDA CUNNINGHAM	*BILLING*		*(215) 609-3567*

Participant	Part# / Title	Symbol	Acct status / Phone#
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	**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*

Participant	Part# / Title	Symbol	Acct status / Phone#
CITADEL SECURITIES LLC	**432**	**CITD**	**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*
CITIBANK NA	**540**	**CBNA**	**PRODUCTION**
ALLOCATION HOTLINE	*ALLOCATIONS*		*(716) 730-8009*
FICC HOTLINE	*FICC*		*(716) 730-8010*
DANIEL GARTLAND	*AVP ALLOCATIONS*		*(716) 730-6023*
ALLOCATIONS FAX	*ALLOCATIONS FAX*		*(866) 201-3716*
ASSIGNMENT FAX	*ASSIGNMENT FAX*		*(877) 267-6032*
KATIE EVANS	*VP SETTLEMENTS*		*(716) 730-8116*
CITIBANK NA	**465**	**CBTY**	**PRODUCTION**
ALLOCATION HOTLINE	*ALLOCATIONS*		*(716) 730-8009*
FICC HOTLINE	*FICC*		*(716) 730-8010*
DANIEL GARTLAND	*AVP ALLOCATIONS*		*(716) 730-6023*
KATIE EVANS	*VP SETTLEMENTS*		*(716) 730-8116*

Participant	Part# / Title	Symbol	Acct status / Phone#
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**

Participant	Part# Title	Symbol	Acct status Phone#
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**	**WBGT**	**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)			

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

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

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

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

Participant	Part# / Title	Symbol	Acct status / Phone#
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*

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

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

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

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

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

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

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

Participant	Part# / Title	Symbol	Acct status / Phone#
J.P. MORGAN SECURITIES LLC	**103**	**JTAA**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAB**	**PRODUCTION**
SEE J.P.MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAD**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAE**	**PRODUCTION**
SEE JP MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAF**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAH**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAI**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAJ**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAK**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAL**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAM**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAN**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAP**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAR**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**103**	**JTAS**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
J.P. MORGAN SECURITIES LLC	**107**	**MBCE**	**PRODUCTION**
ALLOCATIONS	*HOTLINE*		*(302) 634-1842*
EMAIL ALLOCATIONS	*mbs.allocations@jpmorgan.com*		
EMAIL RTTM / AOTS	*mbs.tradeassignments@jpmorgan.com*		
J.P. MORGAN SECURITIES, LLC	**103**	**JESQ**	**PRODUCTION**
SEE J.P. MORGAN SECURITIES LLC (JPFD)			
JANNEY MONTGOMERY SCOTT LLC	**458**	**JMSL**	**PRODUCTION**
JOSEPH AZOR	*SETTLEMENT INFORMATION*		*(215) 665-1228*
MIDDLE OFFICE	*POOL INFORMATION*		*(215) 665-6621*
JOSEPH CLEMENT	*SETTLEMENT INFORMATION*		*(215) 665-6065*
EDWARD COLLOTON	*MANAGER*		*(215) 665-6597*
KEVIN SOUDER			*(215) 665-4505*
MARK GRESS			*(215) 665-6247*
ALAN SMITH			*(215) 665-6300*
MARK KOBZAR			*(215) 665-1654*
CARRIE PAPP	*TECHNICAL*		*(215) 665-6276*

Participant	Part# / Title	Symbol	Acct status / Phone#
JEFFERIES LLC	**435**	**JEFF**	**PRODUCTION**
JULIUS PELLEGRITO	*VP / MANAGER*		*(201) 761-7672*
ALLOCATIONS	*JEFFERIESMBSALLOC@Broadridge.com*		*(201) 793-9111*
LIBERTY MUTUAL GROUP INC.	**430**	**LMUT**	**PRODUCTION**
EMDADUR RAHMAN			*(857) 224-6343*
STEPHEN VACCARO			*(617) 654-4722*
TARIK EMARA			*(857) 224-2967*
SELINA INGERSOLL			*(617) 574-5540*
EDVIN KUMI			*(857) 224-4542*
LOOMIS, SAYLES & COMPANY, LP	**379**	**LOOM**	**PRODUCTION**
JAN SHARP	*MANAGER*		*(617) 346-9855*
DEVON MCKENNA	*POOL INFO*		*(617) 960-2041*
BRIAN URETZKY	*POOL INFO*		*(617) 346-9764*
PHYLLIS HANSON	*TECHNICAL*		*(617) 748-1749*
LORD, ABBETT & CO., LLC	**280**	**LORD**	**PRODUCTION**
AL DIDONATO	*MANAGER*		*(201) 827-2604*
KEVIN YUAN	*SUPERVISOR*		*(201) 827-2158*
REBECCA DONDIEGO	*POOL INFO*		*(201) 827-2503*
LENA MEDOVOY	*POOL INFO*		*(201) 827-2806*
MITESH RAJANI	*TECHNICAL*		*(201) 827-2671*
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			
MACQUARIE MANAGEMENT HOLDINGS, INC	**439**	**DMHI**	**PRODUCTION**
JOE FIORILLA	*MANAGER*		*(212) 255-2321*
DAVE HULLHORST	*POOL INFO*		*(215) 255-1347*
LINDA LILLARD	*TECHNICAL*		*(215) 255-2824*
MANULIFE ASSET MANAGEMENT (US) LLC	**456**	**MANU**	**PRODUCTION**
JOAN RIEDEL	*DIRECTOR*		*(617) 375-1763*
JOSEPH ROTHWELL	*TEAM LEADER*		*(617) 375-4752*
ALEXIS HETHERINGTON	*TECHNICAL*		*(617) 375-1859*
MAREX CAPITAL MARKETS INC.	**475**	**EDFM**	**PRODUCTION**
BRENT POSNER			*(212) 618-2809*
RICHARD GILL			*(212) 618-2863*
MASSACHUSETTS FINANCIAL SERVICES COMPANY	**463**	**MFSC**	**PRODUCTION**
MATT PARKER	*MANAGER*		*(617) 954-5313*
MEAG NEW YORK CORPORATION	**159**	**MEAG**	**PRODUCTION**
VIVIAN FAN	*TECHNICAL*		*(212) 583-4831*
SHANNON M. PACHECO	*DIRECTOR OF OPS*		*(212) 583-4813*
MELLON INVESTMENTS CORPORATION	**384**	**MCMC**	**PRODUCTION**
MCM MIDDLE OFFICE AND SETTLEMENT GROUPS	*CLEAR-FIXEDINCOME@MCM.COM*		
MCM MIDDLE OFFICE AND SETTLEMENT GROUPS	*FI-SETTLEMENT@MCM.COM*		
ALI SCOTT	*MANAGER*		*(415) 975-3416*
CESAR BLENGINO	*POOL INFORMATION*		*(415) 975-2303*
AGGIE ZAU	*POOL INFORMATION*		*(415) 975-3151*

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

Participant	Part# / Title	Symbol	Acct status / Phone#
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*
NISA INVESTMENT ADVISORS, LLC	**271**	**NISA**	**PRODUCTION**
JULIE CHAUVIN	*MANAGER*		*(314) 721-9314*
TRADING GROUP	*HOTLINE*		*(314) 721-7784*
JAMES SOWERS	*GROUP LEADER*		*(314) 721-9304*
TRADING GROUP	*POOL INFO*		*(314) 721-7784*
ELLIOT GROSS	*TECHNICAL*		*(314) 721-7708*
FAX	*FAX*		*(314) 862-2119*
REBECCA BRUENNING	*SENIOR MANAGER*		*(314) 726-9323*
NOMURA SECURITIES INTERNATIONAL, INC.	**421**	**NOMU**	**PRODUCTION**
CARLINE MURPHY	*VICE PRESIDENT*		*(212) 667-9550*
ALLOCATIONS	*NOMUALLOCATIONS@US.NOMURA.CO*		*(212) 667-9491*
FICC HOTLINE	*NOMURAFICC@NOMURA.COM*		*(212) 667-9698*
NOMURA SECURITIES INTERNATIONAL, INC./PROP.	**421**	**NOMP**	**PRODUCTION**
SEE NOMURA SECURITIES INTERNATIONAL, INC.(NOMU)			
NORTHERN TRUST INVESTMENTS N.A.	**385**	**NTIV**	**PRODUCTION**
ALI BLEECKER	*SVP*		*(312) 444-7675*
WENDY MAVEETY	*POOL INFORMATION*		*(312) 557-5267*
TOM REINERT	*POOL INFORMATION*		*(312) 557-1998*
JONATHAN HODDINOTT	*POOL INFORMATION*		*(312) 444-5177*

Participant	Part# / Title	Symbol	Acct status / Phone#
NUVEEN ASSET MANAGEMENT, LLC	**453**	**NAML**	**PRODUCTION**
JOE STERN	*AVP*		*(612) 303-4251*
JESSICA NELSON	*MBS*		*(612) 303-3486*
DARRON NELSON	*TECHNICAL*		*(612) 303-3401*
NYL INVESTORS LLC	**412**	**NYLI**	**PRODUCTION**
MBS GROUP	*MBS GROUP HOTLINE*		*(212) 576-5553*
FRANK MARTINO	*MANAGER*		*(212) 576-5311*
KIMBERLY MCDOYLE	*MANAGER*		*(212) 576-7495*
BHAVIK SHAN	*TECHNICAL*		*(212) 576-6440*
OPPENHEIMER & CO. INC.	**431**	**OPCO**	**PRODUCTION**
ANGELO MESSINA	*ASSOCIATE Angelo.Messina@opco.com*		*(516) 946-9064*
PETER PETERSON	*ASSOCIATE Peter.Peterson@opco.com*		*(212) 668-5069*
ADAM POPPER	*MANAGER Adam.Popper@opco.com*		*(212) 667-5928*
PACIFIC INVESTMENT MANAGEMENT COMPANY LLC	**180**	**PMCO**	**PRODUCTION**
ANDY KIM	*VP*		*(949) 932-4868*
ALLOCATIONS HOTLINE	*POOL INFORMATION*		*(949) 932-4888*
ALLOCATIONS FAX			*(949) 932-1694*
SCOTT LEE	*TECHNICAL*		*(949) 932-1612*
NETWORK OPERATING CENTER HOTLINE	*TECHNICAL HOTLINE*		*(949) 932-1600*
PALAFOX TRADING, LLC	**403**	**PATL**	**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) 443-2846*
PARTNER RE ASSET MANAGEMENT CORP	**399**	**PRAM**	**PRODUCTION**
JOSEPH ENGLANDER	*MANAGER*		*(203) 485-4634*
CHRIS LIBERTI	*POOL INFORMATION*		*(203) 485-8016*
HEATHER LOCKLEAR	*POOL INFORMATION*		*(203) 485-8125*
PERSHING, LLC	**343**	**PRSH**	**PRODUCTION**
KIRK STAINE	*VP*		*(347) 661-2852*
MBSCC/AOT	*PRSHFICC@pershing.com*		*(201) 413-2999*
ALLOCATIONS	*MBSALLOC@bnymellon.com*		*(201) 413-4780*
HANS MENOS	*ALLOCATIONS/POOL INFO*		*(201) 761-5038*
FINNY THOMAS	*ALLOCATIONS/POOL INFO*		*(201) 761-5025*
LIZETTE BARQUERO-DESIMONE	*MBSCC/POOL INFO*		*(201) 761-5026*
OLGA RUEDA	*MBSCC/SETTLEMENTS*		*(201) 413-2999*
VIDHYA CHANDRAMOHAN	*TECHNICAL*		*(973) 360-2891*
FAX NUMBER			*(201) 413-2406*
PGIM, INC	**263**	**PGAM**	**PRODUCTION**
CARLOS JUNCHAYA	*MANAGER*		*(973) 367-4649*
GLENN ALABADO	*POOL INFO*		*(973) 367-1969*
MICHELE FULLON	*POOL INFO*		*(973) 367-1492*
DAVID RUSHFORTH	*POOL INFO*		*(973) 802-2598*

Participant	Part# / Title	Symbol	Acct status / Phone#
PNC BANK NATIONAL ASSOCIATION	**369**	**PNCB**	**PRODUCTION**
JEFFREY SZALKUSKI	*SETTLEMENTS*		*(412) 237-0573*
DANIEL ANTONUCCI	*SETTLEMENTS*		*(412) 237-0746*
ERIN PEASLEE	*SETTLEMENTS*		*(412) 237-0510*
TRADE CAPTURE	*securitiestradecapture@pnc.com*		*(855) 403-5915*
SETTLEMENT EMAIL	*SECSETT@PNC.COM*		
DAKOTA RECTOR	*TRADE COMPARISON/ALLOCATION*		*(412) 237-0542*
BRANDON TURNER	*TRADE COMPARISON/ALLOCATION*		*(412) 237-0541*
BRITTNIE KOHL	*TRADE COMPARISON/ALLOCATION*		*(412) 237-0525*
JESSICA JACOBS	*SETTLEMENTS*		*(412) 237-0533*
PNC BANK, N.A.	**369**	**PNCP**	**PRODUCTION**
SEE PNC BANK NATIONAL ASSOCIATION (PNCB)			
PNC BANK, N.A.	**369**	**PNCR**	**PRODUCTION**
SEE PNC BANK NATIONAL ASSOCIATION (PNCB)			
PNC BANK, N.A.	**369**	**PNCS**	**PRODUCTION**
SEE PNC BANK NATIONAL ASSOCIATION (PNCB)			
PNC CAPITAL MARKETS LLC	**495**	**PNCT**	**PRODUCTION**
SEE PNC BANK NATIONAL ASSOCIATION (PNCB)			
PPM AMERICA INC.	**396**	**PPMA**	**PRODUCTION**
BOB GRAHAM	*MANAGER*		*(312) 634-2584*
ANDY SCHLEIGER	*POOL INFORMATION*		*(312) 634-7887*
JOHNNY CONNOR	*POOL INFORMATION*		*(312) 634-1294*
TOM LEKAS	*TECHNICAL*		*(312) 634-1224*
MANAGER HOTLINE			*(312) 634-2600*
PUTNAM INVESTMENTS LLC	**244**	**PUTM**	**PRODUCTION**
KATE HENRY	*ALLOCATIONS/POOL INFO*		*(617) 760-1300*
ANGELA PATEL	*ALLOCATIONS/POOL INFO*		*(617) 760-1300*
STEVE LUKEN	*TECHNICAL*		*(617) 760-1097*
RAYMOND JAMES & ASSOCIATES INC.	**181**	**RAJA**	**PRODUCTION**
MAGALY CASTANON	*POOL INFORMATION*		*(727) 567-2975*
AGNES SKRZPEK	*POOL INFORMATION*		*(727) 567-2971*
GREG MALEC	*MANAGER SETTLEMENTS*		*(248) 213-1000*
LEHIGH HAZELGROVE			*(901) 524-4198*
RAYMOND JAMES & ASSOCIATES INC.	**181**	**RJFI**	**PRODUCTION**
SEE RAYMOND JAMES & ASSOCIATES INC. (RAJA)			
RBC CAPITAL MARKETS LLC	**245**	**SPEX**	**PRODUCTION**
SEE RBC CAPITAL MARKETS, LLC			
RBC CAPITAL MARKETS, LLC / RBC CAPITAL MARKETS	**245**	**DRBC**	**PRODUCTION**
ROB ANCONA	*DIRECTOR*		*(212) 618-2752*
MBSCC			*(212) 618-2755*
ALLOCATIONS	*ALLOCATIONS*		*(212) 618-2755*
TOM SARTORIO	*TECHNICAL SUPPORT*		*(212) 858-6085*
FAX	*ALLOCATIONS*		*(212) 618-2754*
CM-USA-MBS Allocations	*CM-USA-MBSAllocations@rbc.com*		
REGIONS FINANCIAL CORPORATION	**455**	**RBFC**	**PRODUCTION**
CHERYL LLOYD	*MANAGER*		*(205) 264-5870*
GREG WILLIAMS	*TECHNICAL*		*(205) 261-4604*

Participant	Part# / Title	Symbol	Acct status / Phone#
ROBERT W. BAIRD & CO. INCORPORATED	**331**	**RWBC**	**PRODUCTION**
POOL INFO			*(414) 298-5911*
POOL INFO BACK-UP LINE			*(414) 765-3984*
LAURA PREISSNER	*MANAGER*		*(414) 298-2421*
STEVE KAYE	*TECHNICAL*		*(414) 298-7364*
VERONICA ARIAS	*VARIAS@RWBAIRD.COM*		*(414) 765-3844*
NICHOLAS STORCH	*NSTORCH@RWBAIRD.COM*		*(414) 765-1425*
RONALD FOELSKE	*RFOELSKE@RWBAIRD.COM*		*(414) 765-7001*
ALLEN FINEFIELD	*AFINEFIELD@RWBAIRD.COM*		*(414) 765-3869*
CHRIS PAJEWSKI	*CPAJEWSKI@RWBAIRD.COM*		*(817) 339-3429*
TAMMY JASINSKI	*TJASINSKI@RWBAIRD.COM*		*(414) 765-3884*
WENDY WOLFE	*WWOLFE@RWBAIRD.COM*		*(414) 765-3879*
MATT SCHNEIDER	*MCSCHNEIDER@RWBAIR.COM*		*(414) 765-3993*
SANTANDER US CAPITAL MARKETS LLC	**445**	**PPTS**	**PRODUCTION**
MARK TOOMER	*MBS ALLOCATIONS/OPERATIONS*		*(302) 533-2915*
MARK CATALANO	*MBS OPERATIONS*		*(203) 428-2523*
DIANE GUILLAUME			*(713) 888-9126*
TRADE ASSIGNMENTS	*mbs.allocations@santander.us*		
JOHN DUDAS	*MBS SETTLEMENTS MANAGER*		*(302) 533-2905*
ALLOCATIONS EMAIL	*mbs.allocations@santander.us*		
SEMPER CAPITAL MANAGEMENT, L.P.	**275**	**UCML**	**PRODUCTION**
ALEX SOLOWAY	*HEAD OF OPERATIONS*		*(212) 612-9062*
VITALY OSTROVSKY	*OPERATIONS*		*(212) 612-9027*
DAN ROSENBAUM	*OPERATIONS*		*(212) 612-9066*
FAX #			*(212) 425-4199*
SG AMERICAS SECURITIES LLC	**338**	**FIAT**	**PRODUCTION**
STEPHANIE SARNO	*MANAGER*		*(201) 839-8986*
TEODORO DIANGSON	*POOL INFO/MBS*		*(201) 839-8987*
JOHN LOPRESTI	*TECHNICAL*		*(646) 557-7934*
SG AMERICAS SECURITIES LLC	**338**	**GORD**	**PRODUCTION**
SEE SG AMERICAS SECURITIES, LLC (FIAT)			
SG AMERICAS SECURITIES LLC	**338**	**NAAR**	**PRODUCTION**
SEE SG AMERICAS SECURITIES, LLC (FIAT)			
SG AMERICAS SECURITIES LLC	**338**	**NFPI**	**PRODUCTION**
SEE SG AMERICAS SECURITIES, LLC (FIAT)			
SG AMERICAS SECURITIES LLC	**338**	**SGVR**	**PRODUCTION**
SEE SG AMERICAS SECURITIES, LLC (FIAT)			
SG AMERICAS SECURITIES, LLC	**338**	**MEDL**	**PRODUCTION**
SEE SG AMERICAS SECURITIES, LLC (FIAT)			
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG	**338**	**SGBB**	**PRODUCTION**
SEE SG AMERICAS SECURITIES, LLC (FIAT)			
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG	**338**	**SGCC**	**PRODUCTION**
SEE SG AMERICAS SECURITIES, LLC (FIAT)			
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG	**338**	**SGDD**	**PRODUCTION**
SEE SG AMERICAS SECURITIES, LLC (FIAT)			
SG AMERICAS SECURITIES, LLC/FAO CLIENT AG	**338**	**SGRG**	**PRODUCTION**
SEE SG AMERICAS SECURITIES, LLC (FIAT)			

Participant	Part# / Title	Symbol	Acct status / Phone#
SOUTH STREET SECURITIES LLC	**425**	**SSTR**	**PRODUCTION**
DONALD WEBBE	*MANAGER*		*(212) 803-5050*
KABIR VADERA	*POOL / SETTLEMENT INFO*		*(212) 824-0738*
MONICA URENA	*POOL / SETTLEMENT INFO*		*(212) 824-0738*
RICHARD ANDREW	*GENERAL POOL INFO*		*(212) 824-0738*
STATE OF WISCONSIN INVESTMENT BOARD	**486**	**SWIB**	**PRODUCTION**
MIKE SHEARER			*(608) 266-2932*
STIFEL NICOLAUS & COMPANY INC.	**393**	**SNCI**	**PRODUCTION**
HOTLINE	*MBS*		*(314) 342-2048*
HOTLINE	*POOL INFORMATION*		*(314) 342-2048*
JEN RATERMANN	*MANAGER TRADE SUPPORT/MBS*		*(314) 342-2048*
BARB MISIEWICZ	*DIRECTOR TRADE SUPPORT/MBS*		*(314) 342-2044*
CHERYL GIBSON	*MBS*		*(314) 342-2052*
FAX #			*(314) 342-2971*
STONEX FINANCIAL INC./IBD CLEARING	**339**	**AGEE**	**PRODUCTION**
JAMES HUGHES	*DIVISION MANAGER*		*(205) 414-7304*
SCOTT YARBOROUGH	*MANAGER*		*(205) 414-7289*
TRADING SUPPORT	*MBS/POOL INFO*		*(205) 414-7299*
BUTCH HOPKINS	*TECHNICAL*		*(205) 414-7321*
STONEX FINANCIAL, INC	**358**	**IFSF**	**PRODUCTION**
CHRIS TALBOTT	*MANAGING DIRECTOR*		*(212) 379-5545*
NETWORK OPS			*(888) 432-7647*
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*

Participant	Part# / Title	Symbol	Acct status / Phone#
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*
TRUIST BANK	**347**	**BBAT**	**PRODUCTION**
RICH TYSON	*MANAGER*		*(336) 733-2856*
DEBBIE HARRELL-CAYTON	*ALLOCATIONS/POOL INFO*		*(336) 733-2988*
TRUIST BANK	**347**	**BBTC**	**PRODUCTION**
KATIE LINDAHL	*POOL INFO/ALLOCATIONS*		*(919) 745-5888*
SCOT HENRY	*FVP*		*(804) 387-1597*
ANDY BALL	*SVP*		*(919) 745-5877*
LAUREN CAIN	*POOL INFO/ALLOCATIONS*		*(919) 745-5883*
FRANK BLACK	*TECHNICAL*		*(252) 296-0103*
MICHAEL ALLEN	*POOL INFO/ALLOCATIONS*		*(919) 745-5878*
U.S. BANK N.A.	**467**	**USBK**	**PRODUCTION**
GREG EVANSKY			*(952) 876-5390*
MIKE KABAKOV			*(952) 876-5395*
BRIANNE DOUGLAS			*(952) 876-5399*
UBS GLOBAL ASSET MANAGEMENT (AMERICAS) INC.	**442**	**USAM**	**PRODUCTION**
NEAL WILSON	*OPERATIONS*		*(312) 525-7255*
FIXED INCOME OPERATIONS	*OPERATIONS*		*(312) 525-7255*
CHRIS FULLER	*TECHNICAL*		*(312) 525-7887*

Participant	Part# / Title	Symbol	Acct status / Phone#
UBS SECURITIES LLC	**136**	**MBPB**	**PRODUCTION**
SEE UBS SECURITIES LLC (MBPA)			
UBS SECURITIES LLC	**136**	**MBPD**	**PRODUCTION**
SEE UBS SECURITIES LLC (MBPA)			
UBS SECURITIES LLC	**136**	**MBPO**	**PRODUCTION**
SEE UBS SECURITIES LLC (MBPA)			
UBS SECURITIES LLC	**136**	**MBWH**	**PRODUCTION**
SEE UBS SECURITIES LLC (MBPA)			
UBS SECURITIES LLC.	**136**	**MBPA**	**PRODUCTION**
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*
VIRGINIA RETIREMENT SYSTEM	**477**	**VARS**	**PRODUCTION**
KATIE SIMMONS	*MANAGER / POOL INFO*		*(804) 775-3512*
JOHN MCGRATH	*POOL INFO*		*(804) 697-6681*
RICHARD MOORE	*IT*		*(804) 771-7386*
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			

Participant	Part# / Title	Symbol	Acct status / Phone#
WELLS CAPITAL MANAGEMENT INC	**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*
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 HORNUNG	*MANAGER*		*(704) 427-5035*
EDWIDGH LEGER	*ALLOCATIONS*		*(704) 427-5063*
JASON ANDERSON	*ALLOCATIONS*		*(704) 427-5065*
JAY NORMAN	*TECHNICAL*		*(704) 593-7567*
WELLS FARGO CLEARING SERVICES LLC	**189**	**MBAG**	**PRODUCTION**
NICHOLAS CROW	*MANAGER*		*(612) 478-3017*
BRIDGETTE VUNETICH			*(314) 875-7297*
LYNN ZIMMER			*(314) 875-7285*
	Lawanda.Davis@firstclearing.com		
WELLS FARGO SECURITIES, LLC	**956**	**WFSA**	**PRODUCTION**
SEE WELLS FARGO BANK, N.A./WACHOVIA (WBPT)	*mbs.allocations@wellsfargo.com*		
WESTERN ASSET MANAGEMENT CO.	**214**	**WAMC**	**PRODUCTION**
EIKI HATAKEYAMA	*SUPERVISOR*		*(626) 844-9485*
JESSICA CHANG	*MANAGER*		*(626) 844-4801*
ALLOCATIONS HOTLINE			*(626) 844-4860*
JIMMY TRAN	*TECHNICAL*		*(626) 817-5510*
SEE SUB ACCOUNT LIST FOR SUB ACCOUNT INFO			