Corrected Note (See page 20 for details)

Short Term Market Outlook and Strategy

- We see very little probability that the Fed hikes at the June FOMC meeting, and continue to look for a September liftoff
- Some bank spreads in the 6m to 1y section of the money markets curve have widened out 1-2bp, signaling a pricing in of Fed expectations and effects of MMF reform possibly beginning to take shape
- We provide our monthly prime money market holdings update for April
- Prime funds have seen sizable outflows occur YTD, and have shortened maturity profiles in order to meet redemptions
- We do not expect reform-related flows to occur until at least later this year, and attribute most outflows to seasonality
- Prime MMF exposures to banks increased by \$76bn month-over month, led by time deposits

US Fixed Income Strategy

Alex Roever AC

(1-212) 834-3316 alex.roever@jpmorgan.com J.P. Morgan Securities LLC

Teresa Ho

(1-212) 834-5087 teresa.c.ho@jpmorgan.com J.P. Morgan Securities LLC

John Iborg

(1-212) 834-2011 john.r.iborg@jpmorgan.com J.P. Morgan Securities LLC

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Money Market

		Rates				
	1d	1w	1m	3m	6m	12m
T-Bills	-	-	0.01	0.02	0.08	0.20
Agency Disco	-	-	0.07	0.10	0.16	0.30
LIBOR	-	-	0.18	0.28	0.41	0.73
ABCP	0.14	0.17	0.15	0.29	-	-
AA Fin CP	0.08	0.09	0.09	0.15	-	-
AA Non-Fin	0.08	0.09	0.09	0.12	-	-
Tier 2 CP	0.36	0.40	0.45	-	_	-
GC Repo	0.20	0.18	0.19	0.22	_	-
MBS Repo	0.22	0.2	0.21	0.27	-	-

	Spreads		
	1y	2y	3у
Agency swap spread	-	-18	-16
JULI (HG fixed) z-spread	33	41	50
FRNI (HG floating) DM	25	44	45
AAA prime auto ABS (fixed) swap spread	22	22	27
AAA CC ABS (fixed) swap spread	-	20	24

Upcoming Bill Auctions										
	Announce	Auction	Settle	Size						
1m	5/18	5/19	5/21	TBD						
3m	5/14	5/18	5/21	\$24bn						
6m	5/14	5/18	5/21	\$24bn						

2a-7 Funds (5/13/15)												
	AUM (\$bn)	Gross Yield										
Prime Instit	932	0.23%										
Prime Retail	464	0.20%										
Gvt/Agcy Instit	354	0.11%										
Gvt/Agcy Retail	113	0.11%										
Treas Instit	400	0.09%										
Treas Retail	69	0.08%										
Total Taxable	2332											
Total Tax Exempt	244											
Total MMF	2576											

Fed										
Fed Funds Target Rate	0 - 0.25%									
RRP Rate	0.05%									
RRP Usage (5/15)	\$76.249bn									
RRP 1w Usage Change	-\$15.235bn (-17%)									
Next FOMC Meeting	Jun 16th-17th, 2015									

Economic Calender											
Data	Time										
Housing starts	5/19	8:30am EST									
Existing home sales	5/21	10:00am EST									
CPI	5/22	8:30am EST									

See page 20 for analyst certification and important disclosures.

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Market commentary

For those who held out hopes that the Fed could raise rates at the June FOMC meeting, last week's string of weak economic data all but dashed those dreams. On the consumer side, April retail sales were disappointing, reporting total sales unchanged month over month. The three-month average annualized growth rate for core retail sales is now -0.7%, the worst of the expansion. Retail inventories for the month of March were also on the softer side, prompting our economists to downgrade the pace of inventory accumulation in Q1 which has implications for Q2 production growth. On the capital goods side, the annual revision to the factory goods data also suggest weaker capex investment and investment accumulation in Q1. Taken together, our economists are now forecasting Q1 and Q2 GDP to come in at -1.1% and 2.0% respectively. Combined, 1H15 GDP averages to be an anemic 0.45%, a clear disappointment considering 2H14 GDP growth was 3.6% (Exhibit 1).

Against this backdrop, we see very little chance that the Fed could raise interest rates in June. Instead, we continue to think September as the most likely date for liftoff provided there is a continuation of an improving labor market. Given the somewhat persistent weakness in GDP, one of the growing concerns is whether this softness will translate into slower growth for the labor markets. So far, high-frequency indicators suggest that the US employment market has held in well as weekly jobless claims have now reached their lowest level since April 2000. Moreover, our economists have found that outside of recessions, quarterly GDP's predictive power for future labor market performance has fallen sharply over the past few years¹. Absent a large disappointment in payrolls, we favor 3Q as the most likely date for liftoff in spite of the weak GDP.

However, the markets continue to be less optimistic about the US economy. OIS levels continue to price in a first rate hike in December. Front-end 2y and 3y Treasuries also point to a later and slower pace of tightening as they rallied week over week and have largely retraced to below their year-to-date averages (Exhibit 2). Looking ahead, the data calendar over the next couple of weeks does not offer much incremental information that would close the gap between market's expectations and our own forecast. We expect April's FOMC meeting minutes that will be released on 5/20 to be uneventful. Friday's CPI report for the month of April is also expected to be stable relative to prior months. As such, our Treasury strategists are neutral on front-end Treasuries.

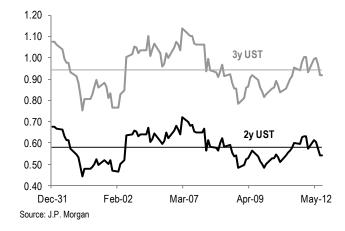
Exhibit 1: 1H15 GDP is tracking to be an anemic 0.45% versus 2H14 of 3.6%

Real GDP. % change guarter over guarter

		·	1Q15	2Q15
	3Q14	4Q14	estimate	estimate
Real GDP	5.0%	2.2%	-1.1%	2.0%

Source: J.P. Morgan

Exhibit 2: Two- and three-year Treasuries have rallied week over week and are now below their YTD averages 2y and 3y UST (%)



¹ J. Edgerton, "Quarterly GDP less informative than it used to be", May 7, 2015

In the money markets, some bank spreads have gradually begun to widen, cheapening by a couple basis points in the 6m-1y part of the curve. This is in part driven by Fed expectations as the markets price in a rate hike in late 2015/early 2016. To a smaller extent, we suspect MMF reform is also gradually beginning to shape fund portfolios, as managers prepare for potential outflows later this year by turning more conservative with their maturities (going shorter) and asset classes (buying more government securities) in order to build liquidity. To that end, despite the \$10bn increase in 1-month bill auctions we received this past week, yields barely budged.

We discuss more of this dynamic below based on prime MMFs' holdings as of the end of April. In general, as a result of MMF reform, we would not be surprised if the Libor curve begins to steepen as funds reinvest maturing securities into shorter-term paper or into government securities that are largely more liquid. Eventual cheapening in the longer end of the bank credit space is anticipated. That said, relative to other widening episodes, yield moves this time around may not be of the same magnitude and will be more of a gradual movement. Given the long compliance period for MMF reform (October 2016) and the heightened focus for banks to reduce their reliance on short-term wholesale funding over the past few years, it's hard to imagine that banks are not aware and/or positioned to manage changes to their liabilities going forward.

Prime MMF holdings update for April²

Across the board, money market funds experienced net outflows over the course of April. Prime retail funds lost \$11bn or -2.3% of AuM, while prime institutional fund AuM decreased by \$40bn or -4.1%. In total, prime MMFs shed \$51bn or -3.5% of AuM during the month. Furthermore, government funds experienced \$17bn or -1.8% in outflows.

Funds built liquidity in order to meet outflows, and shortened maturities throughout the month. Indeed, at the end of April, prime fund WAMs stood at an average of 39 days, close to a multi-year low. Additionally, average WAMs of government funds decreased by 1day over the course of the month to 41 days, also close to a multi-year low (Exhibit 3).

Exhibit 3: Both prime and government MMF WAMs are near multi-year lows

Prime and government MMF WAMs, 5d moving average

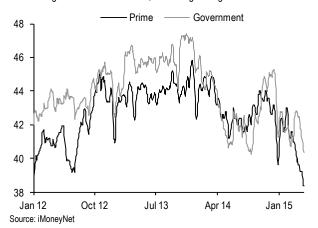
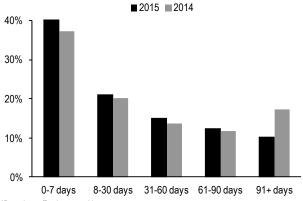


Exhibit 4: Prime funds are shortening their maturity profiles

Prime MMF maturity composition of bank holdings*



*Based on effective maturities Source: Fund holdings reports

² This is a reprint of our previous research note: "Prime money market fund holdings update: April 2015", May15th, 2015

Exhibit 5: Prime MMF bank exposures increased by \$76bn during April

J.P. Morgan estimate of prime MMF exposures to banks (\$bn)

						Ар	r-15								m	/m ch	ange							(Chang	je sir	ce D	ec-14			
	Issuer# /Top 3	СР	CD	2	ABCP	CCP	Agy RP	Tsy RP	Oth RP	Other	Total	CP	CD	£	ABCP	CCP	Agy RP	Tsy RP	Oth RP	Other	Total	CP	CD	TD	ABCP	CCP	Agy RP	Tsy RP	Oth RP	Other	Total
Total	75 / 12%	170	496	159	46	16	45	12	91	49	1,083	8	(20)	97	(7)	1	2	(1)	2	(5)	76	5	(26)	74	(8)	2	6	(1)	(1)	3	53
Eurozone	15 / 52%	23	100	47	14	2	14	7	10	4	220	(1)	(1)	34	(3)	(0)	0	2	(2)	(0)	29	(2)	9	30	(3)	(0)	(0)	0	(2)	3	33
Belgium	1 / 100%	-	5	5	-	-	-	-	-	-	10	-	2	5	-	-	-	-	-	-	7	-	4	5	-	-	-	-	-	-	9
France	5 / 77%	11	58	39	11	2	11	6	7	3	148	(0)	5	29	(2)	(0)	2	4	(1)	0	37	(3)	9	25	(2)	(0)	1	0	(1)	3	32
Germany	5 / 88%	2	10	2	2	-	-	0	1	-	17	(1)	(1)	1	(1)	-	(2)	(0)	(1)	(0)	(5)	(1)	1	(0)	(1)	-	(1)	(0)	(1)	(0)	(3)
Luxembourg	1 / 100%	1	-	-	-	-	-	-	-	-	1	(0)	-	-	-	-	-	-	-	-	(0)	1	-	-	-	-	-	-	-	-	1
Netherlands	3 / 100%	8	28	1	1	-	2	0	2	2	45	0	(7)	(1)	(0)	-	(0)	(1)	(0)	(0)	(11)	1	(5)	0	(1)	-	0	0	(1)	(0)	(5)
Other Europe	13 / 41%	43	64	92	8	1	8	2	23	9	250	8	(3)	64	0	1	7	0	1	(3)	75	5	(5)	49	(1)	1	8	(0)	3	1	60
Norway	1 / 100%	7	4	20	-	-	-	-	-	1	32	(2)	2	19	-	-	-	-	-	1	20	(3)	1	17	-	-	-	-	-	1	16
Sweden	4 / 85%	12	14	54	-	-	-	-	-	6	86	(3)	(7)	33	-	-	-	-	-	(3)	20	(7)	(14)	31	-	-	-	-	-	0	10
Switzerland	2 / 100%	2	24	-	3	-	3	1	22	1	54	(0)	(1)	-	(1)	-	3	1	1	(0)	3	(0)	2	-	(1)	-	3	1	3	(1)	7
UK	6 / 81%	23	22	18	5	1	4	1	1	1	78	13	3	11	1	1	4	(0)	(0)	(1)	32	15	6	2	(0)	1	4	(1)	(0)	1	27
Other Regions	47 / 21%	104	331	19	24	12	24	4	59	36	613	1	(16)	(1)	(4)	(1)	(5)	(3)	3	(2)	(28)	3	(30)	(6)	(4)	1	(1)	(1)	(2)	(0)	(40)
Australia	6 / 78%	59	19	2	-	-	-	-	-	5	85	(1)	(0)	(5)	-	-	-	-	-	(0)	(7)	2	(3)	(6)	(0)	-	-	-	-	(1)	(8)
Canada	7 / 70%	14	122	2	9	6	4	0	7	6	171	3	(8)	0	(2)	(0)	0	(0)	1	(1)	(8)	6	(9)	(3)	0	2	(1)	(0)	(1)	(0)	(7)
Chile	4 / 94%	1	2	-	-	-	-	-	-	0	3	(0)	0	-	-	-	-	-	-	(0)	0	(0)	0	-	-	-	-	-	-	(0)	0
China	2 / 100%	0	2	-	-	-	-	-	-	-	3	0	1	(1)	-	-	-	-	-	(0)	0	(0)	(2)	(1)	-	-	-	-	-	(0)	(3)
Japan	8 / 71%	9	133	0	7	-	2	-	5	1	157	(1)	(8)	(5)	(2)	-	(2)	-	0	0	(17)	1	(4)	(4)	(1)	-	(0)	-	(0)	0	(8)
Kuwait	1 / 100%	-	0	2	-	-	-	-	-	-	2	_	(0)	1	-	-	-	-	-	(1)	(0)	-	(0)	1	-	-	-	-	-	-	1
Singapore	3 / 100%	7	3	0	-	-	-	-	-	3	14	(2)	0	(2)	-	-	-	-	-	2	(2)	(6)	(2)	(3)	-	-	-	-	-	2	(8)
	15 / 68%	14	50	12	8	7	17	3	47	20	178	2	(1)	11	(0)	(0)	(4)	(3)	2	(1)	5	0	(11)	10	(3)	(1)	(1)	(1)	(1)	(1)	(8)

Source: J.P. Morgan estimates, fund holdings reports, iMoneyNet. * Top 3 issuer concentrations by country. Note: Other category includes money market eligible notes/bonds. Table does not include exposures to VRDN credit/liquidity providers.

Outflows have been a typical occurrence during the first half of the year. Since 2012, tax season and the dissipation of cash balances built up around the end of the year has resulted in average outflows of \$47bn for prime MMFs, and \$63bn for government MMFs through the end of April. For perspective, YTD, outflows from prime and government MMF have registered \$51bn and \$17bn respectively.

We do not believe that MMF reform has been the driving factor behind the prime outflows experienced to date. As we pointed out above, prime fund outflows are normal for this time of the year, and 2015 has been mostly on par. Although the timing is uncertain, we do not expect sizable reform—related flows to occur until later this year. However, the degree to which prime funds are changing their maturity compositions (Exhibit 4) suggests that these funds are already preparing for further outflows to occur.

Bank exposures rebounded during April. Prime funds increased their holdings of banks by \$76bn month-over-month, as quarter-end balance sheet management subsided (Exhibit 5). Not surprisingly, time deposits were the primary asset class behind the rebound, increasing by \$97bn principally across European banks. For the most part, other asset classes remained unchanged, with the exception of CDs. Holdings of CDs decreased by \$20bn, concentrated across Canadian, Japanese, Swedish and Dutch banks.

Prime fund usage of the Fed RRP decreased by \$148bn month-over-month (Exhibit 6). For prime MMFs, the Fed RRP facility has served as a viable source of backstop supply, particularly on quarter-end dates when large dealers temporarily scale back on short-term funding. With quarter-end supply pressures alleviated, prime funds used \$24bn of RRP versus \$172bn at the end of March.

Holdings of agency securities increased, while allocations to US Treasuries declined. Prime MMFs increased their holdings of US agency securities by \$19bn month-over-month while paring back holdings of Treasuries by \$14bn. We suspect that with quarter-end out of the way, prime funds preferred agencies for their relative yield pickup to short-term Treasuries, as 1m and 3m bills traded at zero to negative levels at some points prior to the end of the month. However, looking forward, we expect allocations to Treasuries to

Exhibit 6: With quarter-end supply pressures alleviated, prime MMFs scaled back on usage of the RRP during April

Prime MMF exposures by sector (\$bn)

				chg		% chg
		% of	m/m	since	m/m %	since
Issuer Type	Apr-15	total	chg	Dec-14	chg	Dec-14
Banks (US)	164	12%	6	(4)	4%	-3%
Banks (Eurozone)	204	15%	32	37	18%	22%
Banks (Other Yankee)	653	47%	44	27	7%	4%
ABCP/CCP (Banks)	62	4%	(6)	(6)	-9%	-9%
ABCP (Non-banks)	16	1%	(2)	1	-11%	5%
ABS issuers	2	0%	(0)	1	-2%	58%
Corporates (Financial)	10	1%	(2)	(3)	-13%	-25%
Corporates (Non-financial)	46	3%	5	10	12%	28%
US Treasuries	72	5%	(14)	(6)	-16%	-7%
US Agencies	79	6%	19	(18)	31%	-19%
US S&L Govt/Munis	14	1%	3	2	31%	16%
Foreign SSA	42	3%	1	8	3%	23%
Central Banks (Fed RRP)	24	2%	(148)	(155)	-86%	-86%
Other	1	0%	(1)	(3)	-42%	-67%
Total	1,390	100%	(89)	(111)	-6%	-7%

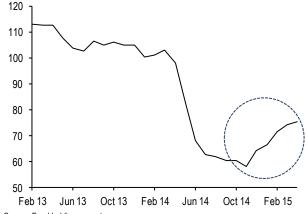
*Includes bank sponsored, non-bank sponsored, and government/agency sponsored conduits. Source: J.P. Morgan estimates, fund holdings reports, iMoneyNet

Note: J.P. Morgan estimates of exposures in prime money market funds are based on a sample of large funds including funds managed by Fidelity, BlackRock, JPMorgan, Vanguard, Federated, Dreyfus, Wells Fargo, Goldman Sachs, Morgan Stanley, UBS, Schwab, SSGA, American Funds, BofA, First American, Northern, RBC, Western Asset Management. Sample represents 85% of US prime MMF in terms of AUMs. Allocation %s are calculated from the sample and then applied to the period's total prime fund AUMs. Banks include unsecured CP, ABCP, CD, time deposits, repo, and other notes. Corporates include CP and other notes. US Treasuries include T-bills and coupons. US Agencies include discount notes and fixed/floating notes. US S&L Govt/Muni include muni CP, notes, and VRDNs. Foreign SSA includes CP, CDs, ad other notes. Central banks include repo. Other includes investments in funds including other MMFs and tax-exempt preferreds.

**Actual total amount used for "Central Banks (Fed RRP)", causing difference between iMoneyNet total AUM of \$1,381bn for 4/30 vs. total AUM of \$1,390bn in table.

Exhibit 7: We expect prime MMFs to continue to increase holdings of Treasury securities

Prime fund holdings of UST securities (\$bn); 3m average



Source: Fund holdings reports

continue their up-trend (Exhibit 7) as funds further bolster liquidity as a result of MMF reform.

Large money fund complexes continue to come forward with their strategies for dealing with MMF reform. BlackRock, Legg Mason, Invesco, and Schwab each made respective announcements throughout April and early May (Exhibit 8). Blackrock announced that it will restructure a portion of its institutional prime and muni MMFs into 7 day max-maturity funds, will restructure certain prime MMFs into government MMFs, and will not implement gates and fees for its government MMFs. Legg Mason announced that it intends to offer two non-money market short duration bond funds, and that it will not implement gates and fees on its government MMFs. Most recently, Schwab announced that it will not implement gates and fees on its government MMFs. We expect more fund families to come forward, and more specific details be released, as the year progresses and as we get closer to the final rules taking effect in 2016.

Coming Attractions

- Minutes from this week's FOMC meeting will be published on by the Fed on 5/20.
- The Fed will release its Beige Book on 6/3.



Exhibit 8: Large complexes continue to come forward to address preliminary strategies for dealing with MMF reform

Summary of MMF reform related announcements made by large fund complexes

Complex	AuM*	Prime	(\$bn)	Govt (\$bn)		Municip	al (\$bn)	Date of	Summary of announcement
Complex	(\$bn)	Inst	Ret	Inst	Ret	Inst	Ret	Ann.	Summary of announcement
Goldman Sachs	149	44	0	98	0	7	0	1/20/2015	-Government MMFs to adhere to reform rules early and not implement gates or fees
Fidelity	406	135	117	61	24	5	64	1/30/2015	No plans to institute liquidity gates and fees for its government MMFs Will convert three of its retail prime funds into government fund status
Federated	198	64	15	74	27	11	6	2/19/2015	No plans to institute liquidity gates and fees for its government MMFs Intends to restructure a portion of its institutional prime and muni MMFs into 60-day max maturity funds
JPMorgan	246	113	15	85	9	18	6	2/20/2015	 No plans to institute liquidity gates and fees for its government MMFs No intentions to institute floating NAVs in its prime MMFs and fees and gates in its non-government MMFs before 2H2016
Dreyfus	162	70	1	84	1	4	1	3/12/2015	- Working out strategy for providing daily liquidity for floating NAV funds - Currently reviewing the efficacy of 60-day max maturity funds - Possibly supplementing current offerings with unregistered cash management alternatives
Reich & Tang	7	0	3	2	2	0	1	3/12/2015	-Will exit MMF business
BlackRock	209	134	11	53	3	4	5	4/6/2015	No plans to institute liquidity gates and fees for its government MMFs Intends to offer intraday liquidity through at least three NAV calculations throughout the day for institutional prime MMFs Intends to restructure a portion of its institutional prime and muni MMFs into 7-day max maturity funds Will convert certain retail prime funds into government status
Legg Mason	45	15	1	26	2	1	1	4/7/2015	No plans to institute liquidity gates and fees for its government MMFs Will offer two non-money market short duration bond funds that will not be subject to liquidity fees and redemption gates (but will transact at a floating NAV)
Invesco	55	32	1	21	0	1	0	4/14/2015	-Does not intend to implement gates and fees for government MMFs
Schwab	154	4	82	0	42	1	25	5/1/2015	-Does not intend to implement gates and fees for government MMFs -Retail investors will continue to have access to Prime, Municipal and Government money market funds with a net asset value (NAV) that is designed to be constant (CNAV).
Total Announced Total Announced as % of Mkt	1631 63%	612 65%	246 53%	505 67%	109 61%	52 74%	109 62%		

Source: iMoneyNet, J.P. Morgan

*Data as of 5/14/2015

Trading Themes

We expect short-term rates to drift upwards in 2015 in response to the beginning of a Fed tightening cycle. However, the details of how monetary policy is implemented and impact of regulations will have different effects on the various short term interest rates.

Additionally, given the immense demand for short-term product and the lack of investible supply, we do not foresee spreads on money market instruments widening significantly this year, and hence do not expect high returns to be found in the money market space in general. With the prospect of rising front-end rates, we believe that floating rate instruments will perhaps offer the best relative value as the year progresses.

• Overweight Treasury coupons versus bills

In spite of the immense demand for high-quality liquid assets, Treasury coupons continue to trade cheap to bills. Although the current spread is only 1-3bp, it's possible that this spread could widen as a large amount of Treasury coupons are expected to roll



into the 2a-7 space. In the coming year, we expect 2a-7 Treasury coupon balances to increase by \$191bn while bills to increase a moderate \$17bn.

• Overweight collateralized CP versus bank unsecured CP and ABCP

Collateralized CP programs are structured such that CP notes issued are guaranteed by the sponsoring bank. This asset class is an attractive way to gain direct bank exposure than they would otherwise via CP/CDs and ABCP while picking up 2-7bp in yield.

For Moody's matrix considerations, overweight partially supported ABCP
programs with long-term sponsor ratings below Aa3. Conversely, overweight fully
supported ABCP with long-term sponsor ratings above Aa3 versus partially
supported programs.

Under the Moody's matrix MMF rating methodology, funds are rated on the basis of the tenor and credit rating assigned their portfolio's underlying assets. In the case of ABCP, partially supported programs by default receive a Moody's LT rating of Aa3, whereas fully supported programs receive the LT rating of the program's sponsor.

• Overweight front-end floating versus fixed rate instruments

We believe that floating rate instruments offer better relative value over their fixed rate counterparts as Libor and other short-term rates begin to drift upwards in response to MMF reform-related flows and a Fed tightening in 2015.

• Overweight Financial bonds vs. Non-Financials

We expect bank spreads to outperform non-Bank in 2015 as rising rates is a positive for bank earnings. Also, banks are not at risk for M&A and higher leverage, they are actually de-leveraging to meet capital requirements. We believe these factors will more than offset the increased bank bond supply that will be issued in the next few years to meet Total Loss Absorbing Capital (TLAC rules). (See High Grade Outlook)

• Overweight 1-3y AAA credit card ABS versus agencies

Both asset classes are rated AAA, but ABS trade much wider than agencies do. Currently, AAA-rated 2y credit card ABS is offered at the equivalent of swaps +25bp versus 2y agency at swaps -15bp. Furthermore, our Agency strategists note that losses on credit card ABS master trusts are at record lows, while credit support levels are at record highs. The credit card ABS sector is fundamentally cheap and least vulnerable to technical volatility. Consequently, ABS should provide a safe haven to investors looking for relatively higher-yielding cash surrogates. (See *ABS Outlook*)

• Consider senior tranches from off-the-run subprime auto ABS issuers for spread pick-up

Senior tranches from off-the-run subprime auto ABS issuers offer spreads of up to 100bp for very short (<2y WAL) bonds that are highly rated (from AAA down to A). That is a significant concession versus comparable short high investment grade credits. Additionally, our Agency strategists believe these senior bonds are very well protected structurally and investors are being very well compensated for the illiquidity and credit risk. (See *ABS Outlook*)

• Front-end steepeners are likely to perform well over a range of probabilities across spanning interest rate scenarios, as are intermediate belly-cheapening flys

Our framework for identifying trades that are "convex" over a range of probability distributions on Fed rate hike scenarios suggest that front-end steepeners (2s/5s, 3s/5s, White/ Blues, Reds/Greens, and Reds/Blues) and intermediate belly-cheapening flys (2s/5s/10s, 3s/7s/10s) are likely to do well early next year. (See *Interest Rate Derivatives Outlook*)



Look for wider swap spreads across the curve; front and intermediate spreads are likely to lead the widening

Spreads across the curve appear tight; front-end spreads should widen as a result of lower front-end Treasury supply and regulatory demand. Intermediate spreads should widen on the back of increasing yields and a widening mortgage basis. Long-end spreads will likely widen given our forecasts for reduction in hedging needs from VA accounts and a flattening yield curve. (See *Interest Rate Derivatives Outlook*)

Buy Libor basis wideners and FF/Libor tighteners; be aware of the impact of new reserve draining initiatives and regulations

A range of reforms like NSFR and MMF rules are likely to result in wider Libor bases over the course of next year. While many reforms and Fed initiatives point to tightening of the FF/Libor basis, the Fed is still tinkering with various reserve-draining mechanisms—the efforts bear watching as they could have a big impact on this basis. (See *Interest Rate Derivatives Outlook*)

Maintain 1Yx1Y FF/Libor basis narrowers

Continue to pay Libor in \$1bn notional of a 1Yx1Y Fed Funds/Libor basis swap (*Interest Rate Derivatives*, 4/10/15). P/L since inception: profit of 0.6bp of yield.

Maintain EDM5/Z5 steepeners

Stay long1000 EDM5 contracts versus staying short 1000 EDZ5 contracts (*Interest Rate Derivatives*, 12/19/14). P/L since inception: loss of 21.7bp of yield.

• Maintain synthetic 2Yx1Y forward Treasury/OIS narrowers

Stay \$1bn notional of 1% Mar 2018s, sell \$1bn notional of 0.5% Mar 2017s and continue to pay fixed in \$982mn notional of a 3/31/2017x3/15/2018 OIS swap (*Interest Rate Derivatives*, 3/27/15). P/L since inception: loss of 3.6bp of yield.

Over the next quarter, overweight short-lockout, short-maturity callables versus duration-matched bullets to enhance yield

Short-dated callables offer the highest call probability and largest rate and rate volatility breakevens. However, a sell-off in front-end yields ahead of the Fed hike and pickup in volatility in the front end of the curve could lead to underperformance beyond 1Q15. (*See Agencies Outlook*)

• Remain neutral on European SSAs versus Agencies

USD-denominated EIB/KfW issues have outperformed US Agencies on asset swap over the last month. However, this outperformance is unlikely to reverse given ECB QE and the eventual Fed rate hike. Given competing factors, we turn neutral on USD-denominated EIB/KfW debt versus US Agencies on asset swap.

Forecasts Interest Rates

	Current 5/15/2015	1m ahead 6/15/2015	2Q15 6/30/2015	3Q15 9/30/2015	4Q15 12/31/2015
Rates					
Fed Funds Effective	0.13	0.12	0.12	0.35	0.60
3m Libor*	0.28	0.26	0.26	0.50	0.80
1m bills	0.01	0.04	0.04	0.03	0.10
3m bills	0.02	0.05	0.05	0.05	0.12
UST 2y	0.54	0.60	0.80	1.05	1.25
UST 3y	0.90	0.95	1.20	1.40	1.55
UST 5y	1.46	1.50	1.65	1.80	1.95
UST 7y	1.87	1.90	1.95	2.10	2.25
UST 10y	2.14	2.15	2.20	2.25	2.40
UST 30y	2.92	2.95	2.95	2.95	3.00
2y swap	0.78	0.83	1.02	1.27	-
5y swap	1.59	1.65	1.80	1.96	-
10y swap	2.20	2.23	2.30	2.37	-
30y swap	2.66	2.75	2.80	2.85	-
Spreads					
3m TED	26	21	21	45	68
2y Swap Spread	24	23	22	22	-
5y Swap Spread	13	15	15	16	-
10y Swap Spread	6	8	10	12	-
30y Swap Spread	-26	-20	-15	-10	

^{*}Libor estimates are based on the current BBA Libor panel formulation and don't account for pending UK FSA reforms.

Economics

%ch q/q, saar, unless otherwise noted

70CH Q/q, Saar, unless otherwise noted	14Q2	14Q3	14Q4	15Q1	15Q2	15Q3	15Q4	16Q1	2015*	2016*
Gross Domestic Product										
Real GDP	4.6	5.0	2.2	0.2	2.0	2.5	2.5	2.5	1.8	2.5
Final Sales	3.2	5.0	2.3	-0.5	2.5	2.6	2.5	2.6	1.8	2.5
Domestic Final Sales	3.4	4.1	3.3	0.7	2.4	3.0	2.9	2.9	2.2	2.7
Business Investment	9.7	8.9	4.7	-3.4	1.3	5.4	4.6	4.9	1.9	4.9
Net Trade (% contribution to GDP)	-0.3	8.0	-1.0	-1.3	0.2	-0.4	-0.4	-0.3	-0.5	-0.2
Inventories (% contribution to GDP)	1.4	-0.1	-0.1	0.7	-0.5	-0.1	0.0	-0.1	0.0	0.0
Prices and Labor Cost										
Consumer Price Index	2.4	1.2	-0.9	-3.1	2.7	2.4	2.0	2.0	1.0	2.0
Core	2.2	1.4	1.5	1.7	1.7	2.0	2.0	2.0	1.9	2.0
Producer Price Index	2.2	1.2	-0.6	-4.8	2.2	2.0	2.0	2.0	0.3	2.0
Core	1.8	2.0	1.6	-0.5	1.3	1.5	1.7	1.7	1.0	1.7
Employment Cost Index	3.0	2.7	2.0	2.6	2.8	2.8	2.8	2.9	2.7	3.2
Unemployment Rate (%, sa)	6.2	6.1	5.7	5.6	5.3	5.2	5.1	4.9	-	_

^{*} Q4/Q4 change

Forecasts (continued)

Money Market Supply

	YE 2013	YE 2014	Latest	YE 2015*	2015 Y/Y Exp.
(\$bn)	12/31/2013	12/31/2014	4/30/2015	12/31/2015	\$ Change
T-Bills	1,591	1,458	1,433	1,475	17
Treasury Coupon	1,567	1,608	1,694	1,825	218
Treasury FRNs	N/A	164	220	328	164
Dealer Repo*	2,550	2,297	2,195	2,300	3
Fed Repo	198	397	130	300	(97)
Discos	509	609	583	529	(80)
Agency Coupons	427	363	338	429	66
Dom Fin. CP	90	97	99	86	(11)
For Fin. CP	402	374	420	376	2
Non Fin CP	196	227	261	290	63
ABCP	263	231	226	191	(40)
Bonds <1y	305	355	335	358	3
Total	8,905	8,999	8,772	9,298	300
Total (ex Fed)	8,707	8,602	8,641	8,998	397
Total (ex Fed, ex Treas.)	5,548	5,372	5,295	5,370	(2)

^{**}The repo balance for YE 2012 is adjusted to reflect the new reporting changes to NY Fed's dealer financing report. We applied an average percentage of the overall repo market that consists of repo transactions only and applied that to what was reported for year-end.

Long-term (>1Y) net issuance

	YE 2013	YE 2014	YE 2015*	2014 Y/Y	2015 Y/Y Exp.
(\$bn)	12/31/2013	12/31/2014	12/31/2015	\$ Change	\$ Change
IG corporates	393	433	415	40	(18)
HY corporates	154	145	150	(9)	5
EM Corporates	254	232	202	(22)	(30)
EM Sovereign	48	40	10	(8)	(30)
Municipals	(38)	(49)	(53)	(11)	(4)
Non-Agency MBS	(154)	(94)	(67)	60	27
Agency MBS	281	85	100	(196)	15
CMBS	(11)	(1)	(14)	10	(13)
ABS	12	55	25	43	(30)
CLOs	16	66	40	50	(26)
Agency Debt	(117)	(154)	(50)	(37)	104
Treasuries	849	783	624	(66)	(159)
Total	1,686	1,542	1,382	(144)	(160)
Total ex-Tsy	838	759	758	(79)	(1)

^{***}The repo balance for YE 2013 and YE 2014 represents the average of December repo outstandings in order to seasonally adjust data for technical factors.



New Issues

Corporates

Issue Date	<u>lssuer</u>	<u>Ticker</u>	Moody's	S&P	Amount	Coupon	<u>Maturity</u>	<u>Term</u>	<u>12m</u>	<u>24m</u>	<u>36m</u>	<u>60m</u>
11-May	PACCAR FINANCIAL CORP	PCAR	A1	A+	300	1.400 %	5/18/2018	3			+47	
11-May	LLOYDS BANK PLC	LLOYDS	A1	Α	400	FRN	5/14/2018	3			L+55	
11-May	LLOYDS BANK PLC	LLOYDS	A1	Α	1,250	1.750 %	5/14/2018	3			+80	
11-May	DAIMLER FINANCE NA LLC	DAIGR	A3	A-	250	FRN	5/18/2018	3			L+45	
11-May	DAIMLER FINANCE NA LLC	DAIGR	A3	A-	800	1.650 %	5/18/2018	3			+70	
11-May	DAIMLER FINANCE NA LLC	DAIGR	A3	A-	1,300	2.450 %	5/18/2020	5				+90
13-May	QUALCOMM INC	QCOM			250	FRN	5/18/2018	3			L+27	
13-May	QUALCOMM INC	QCOM			1,250	1.400 %	5/18/2018	3			+50	
13-May	QUALCOMM INC	QCOM			250	FRN	5/20/2020	5				L+55
13-May	QUALCOMM INC	QCOM	A1		1,750	2.250 %	5/20/2020	5				+70
13-May	CONOCOPHILLIPS COMPANY	COP			250	FRN	5/15/2018	3			L+33	
13-May	CONOCOPHILLIPS COMPANY	COP	A1		750	1.500 %	5/15/2018	3			+55	
13-May	CONOCOPHILLIPS COMPANY	COP	A1		500	2.200 %	5/15/2020	5				+65
14-May	SOUTHERN POWER CO	SO	Baa1	BBB+	350	1.500 %	6/1/2018	3			+65	
14-May	SOUTHERN POWER CO	SO	Baa1	BBB+	300	2.375 %	6/1/2020	5				+85
14-May	BNP PARIBAS	BNP	A1	A+	1,500	2.375 %	5/21/2020	5				+93

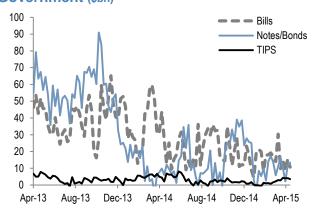
ABS

Issue Date	<u>lssuer</u>	<u>Ticker</u>	Moody's	S & P	<u>Amount</u>	<u>Life</u>	Spread	Benchmark	<u>Series</u>	Class	<u>Market</u>	Deal Type
13-May	GMF Floorplan Owner Revolving Trust	GFORT	Aaa		499	2.99	47	Swap - Int	2015-1	A-1	US Private	Other - Floorplans
13-May	GMF Floorplan Owner Revolving Trust	GFORT	Aaa		125	2.99	50	1 Mo. LIBOR	2015-1	A-2	US Private	Other - Floorplans
13-May	GMF Floorplan Owner Revolving Trust	GFORT	Aa2		41	2.99	80	Swap - Int	2015-1	В	US Private	Other - Floorplans
13-May	GMF Floorplan Owner Revolving Trust	GFORT	A2		50	2.99	105	Swap - Int	2015-1	С	US Private	Other - Floorplans
13-May	GMF Floorplan Owner Revolving Trust	GFORT	Baa2		35	2.99	150	Swap - Int	2015-1	D	US Private	Other - Floorplans
13-May	Honda Auto Receivables Owner Trust	HAROT			356	0.34			2015-2	A-1	US Not Offered	Auto - P
13-May	Honda Auto Receivables Owner Trust	HAROT		AAA	376	1.00	23	EDSF	2015-2	A-2	US Public	Auto - P
13-May	Honda Auto Receivables Owner Trust	HAROT		AAA	458	2.01	20	Swap	2015-2	A-3	US Public	Auto - P
13-May	Honda Auto Receivables Owner Trust	HAROT		AAA	166	3.04	27	Swap	2015-2	A-4	US Public	Auto - P
13-May	Porsche Innovative Lease Owner Trust	PILOT		A-1+	134	0.33			2015-1	A-1	US Private	Auto - Leases
13-May	Porsche Innovative Lease Owner Trust	PILOT		AAA	240	1.16	27	EDSF	2015-1	A-2	US Private	Auto - Leases
13-May	Porsche Innovative Lease Owner Trust	PILOT		AAA	240	2.13	31	Swap	2015-1	A-3	US Private	Auto - Leases
13-May	Porsche Innovative Lease Owner Trust	PILOT		AAA	86	2.63	38	Swap	2015-1	A-4	US Private	Auto - Leases
14-May	North Mill Equipment Funding	NMEF			122	1.59			2015-A	Α	US Private	Equip - ST
14-May	North Mill Equipment Funding	NMEF			9	3.61			2015-A	В	US Private	Equip - ST

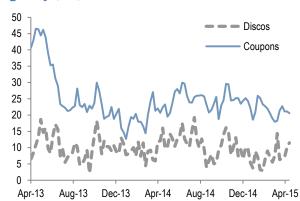


Dealer Net Positions

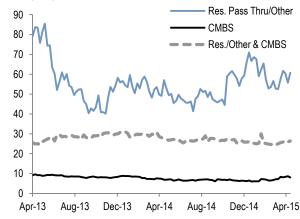
Government (\$bn)



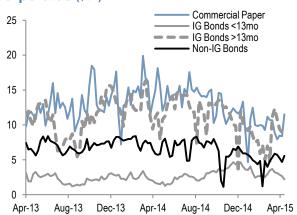
Agency (\$bn)



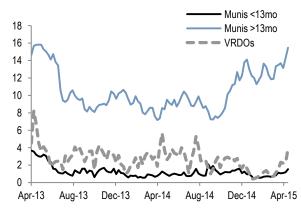
MBS (\$bn)



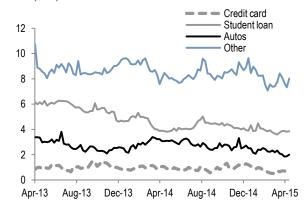
Corporates (\$bn)



Munis (\$bn)



ABS (\$bn)



Source: Federal Reserve



Repo

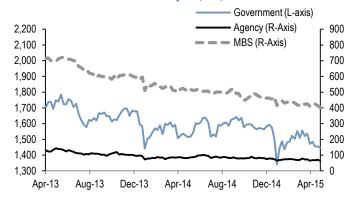
Total Repo Outstanding (\$bn)



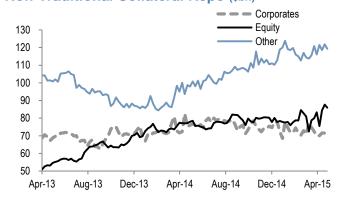
Total Securities Lending Outstanding (\$bn)



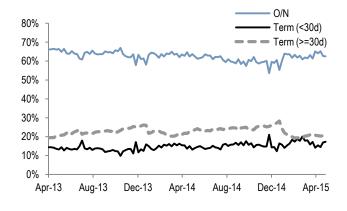
Traditional Collateral Repo (\$bn)



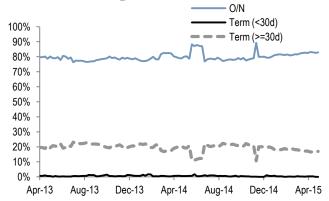
Non-Traditional Collateral Repo (\$bn)



Repo Terms (%)



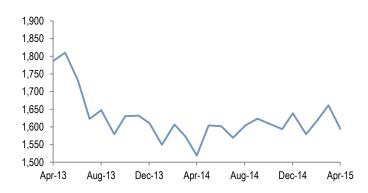
Securities Lending Terms (%)



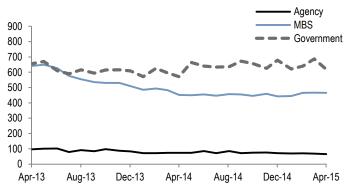
Source: Federal Reserve

Repo (continued)

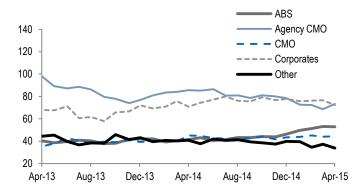
Total Tri-Party Outstanding (\$bn)



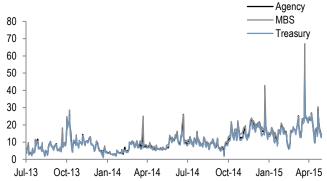
Tri-Party Traditional Collateral (\$bn)



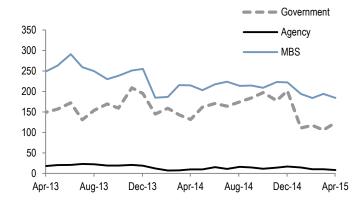
Tri-Party Non-Traditional Collateral (\$bn)



GCF rates (bp)



GCF Collateral (\$bn)



GCF Term Composition (\$bn)

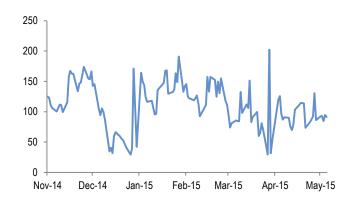


Source: Federal Reserve, DTCC

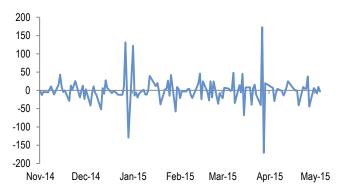


Fed Overnight Reverse Repo

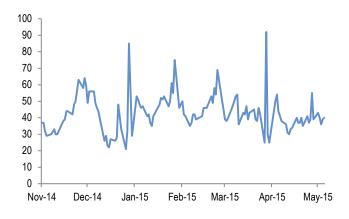
Accepted Amount (\$bn)



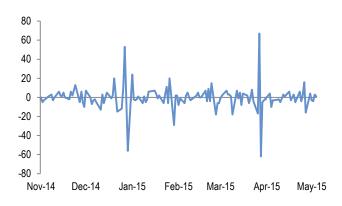
Accepted Amount: Daily Change (\$bn)



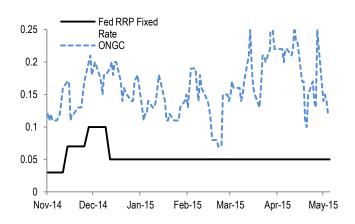
Number of Bidders



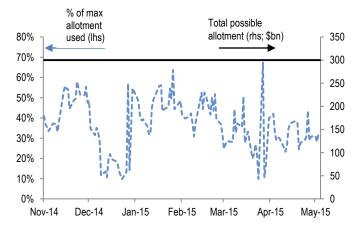
Number of Bidders: Daily Change



ONGC vs RRP fixed rate (%)



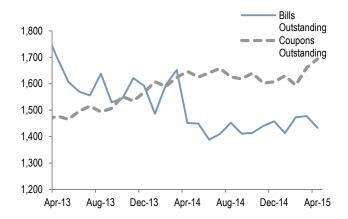
Max Allotment Used (%)



Source: Federal Reserve

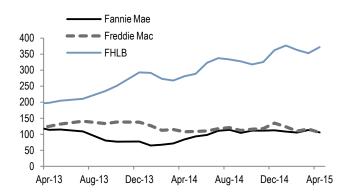
T-Bills

Bills and Coupons Outstanding (\$bn)



Agency Debt

Discount Notes Outstanding (\$bn)

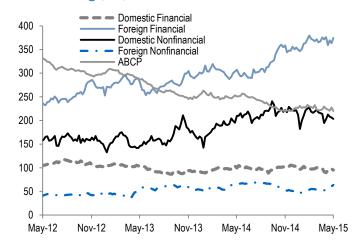


Coupons Outstanding (\$bn)



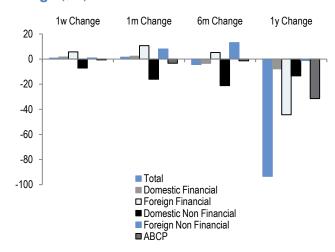
Commercial Paper

Outstanding (\$bn)



Source: Federal Reserve, US Treasury, J.P. Morgan estimates

Change (\$bn)



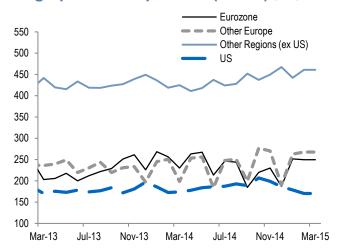


Money Market Funds

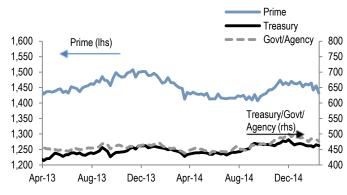
Prime MMF Asset Allocation

				chg		% chg
		% of	m/m	since	m/m %	since
Issuer Type	Apr-15	total	chg	Dec-14	chg	Dec-14
Banks (US)	164	12%	6	(4)	4%	-3%
Banks (Eurozone)	204	15%	32	37	18%	22%
Banks (Other Yankee)	653	47%	44	27	7%	4%
ABCP/CCP (Banks)	62	4%	(6)	(6)	-9%	-9%
ABCP (Non-banks)	16	1%	(2)	1	-11%	5%
ABS issuers	2	0%	(0)	1	-2%	58%
Corporates (Financial)	10	1%	(2)	(3)	-13%	-25%
Corporates (Non-financial)	46	3%	5	10	12%	28%
US Treasuries	72	5%	(14)	(6)	-16%	-7%
US Agencies	79	6%	19	(18)	31%	-19%
US S&L Govt/Munis	14	1%	3	2	31%	16%
Foreign SSA	42	3%	1	8	3%	23%
Central Banks (Fed RRP)	24	2%	(148)	(155)	-86%	-86%
Other	1	0%	(1)	(3)	-42%	-67%
Total	1,390	100%	(89)	(111)	-6%	-7%

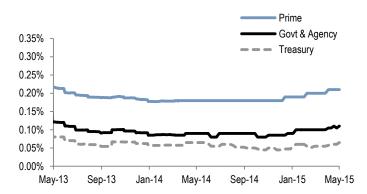
Geographical Composition (banks) (\$bn)



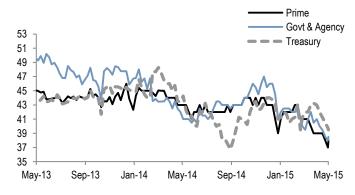
Assets Under Management (\$bn)



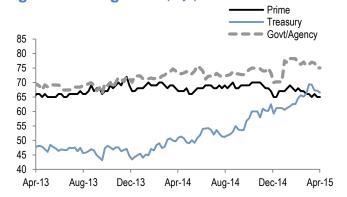
Gross Yield (%)



Weighted Average Maturity (days)



Weighted Average Life (days)



Source: iMoneyNet, fund holdings reports



Liquidity Calendar

	Treasury	Fed	ECB	US	Europe	Other
И 18-Мау	Announce: 1m Bill Auction: 3m Bill (\$24bn) 6m Bill (\$24bn)	Chicago Fed President Evans speaks in Stockholm (2:00am)				
T 19-May						
V 20-May		Chicago Fed President Evans speaks in Munich (3:00am) FOMC minutes				
R 21-May	Announce: 3m Bill 6m Bill 1y Bill 2y Note 5y Note 7y Note 2y FRN Auction: 10y TIPS (\$13bn) Settle: 3m Bill (\$24bn) 6m Bill (\$24bn) Net cash flow: \$4bn*	SF Fed Pres. Williams speaks (7:00pm)				
F 22-May		Fed Chair Yellen speaks in Providence (1:00pm)		СРІ		BOJ rate decision
M 25-May		Cleveland Fed President Mester speaks in Reyjavik (12:00pm)		Memorial day, markets closed		
Г 26-Мау	Announce: 1m Bill Auction: 2y Note (\$26bn)	Rich. Fed Pres. Lacker speaks (8:10pm)				
V 27-May	Auction: 5y Note (\$35bn) 2y FRN (\$13bn)					
R 28-May	Announce: 3m Bill 6m Bill Auction: 7y Note (\$29bn)	San Francisco Fed President Williams speaks in Singapore (2:20am) Minneapolis Fed President Kocherlakota speaks in Montana (2:45pm)				
⁼ 29-May	Net cash flow: \$4bn* Settle: 10y TIPS (\$13bn) 2y FRN (\$13bn)			GDP (Q1 2nd estimate)		
/ 1-Jun	Net cash flow: \$26bn* Announce: 1m Bill Settle: 2y Note (\$26bn) 5y Note (\$35bn) 7y Note (\$29bn) Net cash flow: \$9bn*					
T 2-Jun						
V 3-Jun		Chic. Fed Pres. Evans speaks (2:15pm) Beige Book				
R 4-Jun	Announce: 3m Bill 6m Bill 3y Note 10y					
F 5-Jun	Net cash flow: \$6bn*			Employment (May)		

^{*}Net cash flows equal projected and/or announced gross issuance of T-bills, Treasury notes/bonds and TIPs minus principal maturities and coupon payments. Projected gross issuances are J.P. Morgan forecasts

forecasts.

**Federal Reserve purchases and sales of Treasury coupons are based on the tentative outright Treasury operation schedule published on http://www.newyorkfed.org/markets/tot_operation_schedule.html.

Sizes are estimated.



Index of Recent Topics

Regulatory Developments

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North America Fixed Income Strategy 18 May 2015

Alex Roever (1-212) 834-3316 alex.roever@jpmorgan.com



Corrected Note: We have corrected the summary of announcement for Goldman Sachs in Exhibit 8 on page 6.

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Alex Roever (1-212) 834-3316 alex.roever@jpmorgan.com



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