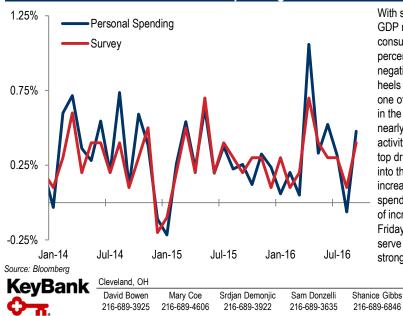
## Interest Rate Risk Management Weekly Update

Current Rate Environment								
Short Term Rates	Friday	Prior Week	Today's Change					
1-Month LIBOR	0.53%	0.53%	0.00%	0				
3-Month LIBOR	0.89%	0.88%	0.01%	↑				
Fed Funds	0.50%	0.50%	0.00%	0				
Fed Discount	0.75%	0.75%	0.00%	0				
Prime	3.50%	3.50%	0.00%	0				
US Treasury Yields								
2-year Treasury	0.86%	0.83%	0.03%	↑				
5-year Treasury	1.33%	1.24%	0.09%	♠				
10-year Treasury	1.85%	1.74%	0.11%	♠				
Swaps vs. 3M LIBOR								
2-year	1.14%	1.11%	0.03%	♠				
5-year	1.40%	1.31%	0.09%	♠				
10-year	1.76%	1.63%	0.13%	♠				

Fedspeak & Economic News:

- US treasury yields and swap rates across the term spectrum continued their steady march higher this past week. Since the
  beginning of July, the two-year treasury has climbed more than 30 bps to just under 0.85 percent and the ten-year treasury has
  moved nearly 50 bps to 1.85 percent at Friday's close. On the short end, 1-month and 3-month LIBOR have been impacted by
  technical changes in the money market mutual fund industry, pushing these benchmark rates to their highest levels since mid-2009.
- The global economy has continued to show positive signs as employment and inflation data show significant progress. Central bankers are optimistic and investors foresee economic gains allowing the major central banks to continue easing the monetary stimulus gas pedal. Additionally, the fallout thus far from Brexit has proved more benign than initially anticipated, though there will certainly be a prolonged period of uncertainty.
- In the US, advance measures of GDP growth for the third quarter came in higher than expected at an annualized rate of 2.9 percent vs. consensus estimates of 2.6 percent. This is a strong rebound from the second quarter growth number of 1.4 percent. The November 1-2 FOMC meeting this week is likely to conclude with no policy action, largely due to a desire on the part of the Fed not to take action so close to the presidential election, and is therefore a point of market interest rather than the focal point of the week. Fedspeak from both dovish and hawkish members of the Fed in the last month point to a hike in December and the statement following the meeting this week may continue preparing markets for that event.
- The Bank of Japan concludes its policy meeting early this week and will be closely watched by market participants. A delay in the Bank's timeline for hitting its two percent inflation goal could be interpreted as signaling the BoJ is done with additional easing measures. No other changes to the current program are expected. In Europe, third quarter GDP and inflation numbers will be reported this week and will hold investor's attention as potentially decisive data points for the ECB's December meeting and the timeline for future QE purchases. Lastly, the Bank of England's Monetary Policy committee meets for the first time since September and will release updated growth and inflation projections. No changes to policy are expected.

## Consumer Spending Momentum Climbs



With stellar performance in last week's GDP report, it is no surprise that consumer spending increased 0.5 percent, a solid rebound since August's negative reading. This comes on the heels of rising income, often seen as one of the biggest signs of momentum in the US economy. Accounting for nearly 70 percent of US economic activity, strong consumer spending is a top driver of the overall growth. Going into the last guarter of 2016, the increase bodes well as the holiday spending season gets underway. Signs of increased pressure on wages in Friday's labor market report would serve as a positive precursor for a strong fourth guarter.

Philadelphia, PA

Ian Hopkins

215-587-8136

Rochester, NY

Will Winterrowd

585-770-1642

Greg Dawli

206-689-2971

Wil Spink

206-689-2972

## The Week Ahead

- The FOMC concludes its November meeting on Wednesday; no changes are expected
- The BoJ meets this week; the timeline for QE purchases may be updated
- The BoE meets for the first time since September; updated growth and inflation projections will be released on Thursday
- Fedspeak resumes this week following the unofficial "blackout period" with Atl. Fed Lockhart, Governor Brainard, Dallas Fed Harker, and Fed VC Fischer

Date	Indicator		For	Forecast	Last
31-Oct	Personal Income		Sep	0.4%	0.2%
31-Oct	Personal Spending		Sep	0.4%	(0.1%)
1-Nov	Construction Spending MoM		Sep	0.5%	(0.7%)
1-Nov	ISM Manufacturing		Oct	51.7	51.5
3-Nov	Factory Orders		Sep	0.2%	0.2%
3-Nov	Durable Goods Orders		Sep F	(0.1%)	(0.1%)
4-Nov	Change in Nonfarm Payrolls		Oct	175K	156K
4-Nov	U nemploy ment Rate		Oct	4.9%	5.0%
Seattle	e, WA D	ocumentation			

Ramona Berce

413-567-6758

Linda Maraldo

216-689-0516

Marvbeth Simon

216-689-0897

## Disclaimer

This communication is generated by the derivatives sales & trading unit of KeyBank and conveyed as commentary on economic, political and/or market conditions or, in some cases, may be considered to be a general solicitation for entering into derivatives transactions, as contemplated under Commodity Futures Trading Commission ("CFTC") Regulation 23.605, and is not a "research report" as defined therein. This communication is not to be construed as a recommendation or opinion with respect to any derivative or trading strategy involving a derivative for purposes of CFTC Part 23 Regulations. This communication does not take into account the investment objectives, financial conditions, or needs of individual parties and is not intended to serve as a basis for entering into a derivatives transaction or to suggest, in any manner, that a party should enter into a particular derivatives transaction or trading strategy involving a derivative. Parties should consult their own advisors for opinions and advice on whether to enter into any derivatives transaction or trading strategy involving a derivative. The information contained herein has been obtained from sources deemed to be reliable but it is not represented to be accurate, complete or objective. In providing this information, neither KeyBank nor any affiliate of KeyBank is acting as your agent, broker, advisor, or fiduciary, or is offering any tax, accounting, or legal advice regarding these instruments or transactions. KeyBank may have current positions or strategies that may be inconsistent with any views expressed herein.



Seattle, WA Greg Dawli Wil Spink

206-689-2972

206-689-2971

Documentation

 Ramona Berce
 Linda Maraldo
 Marybeth Simon

 413-567-6758
 216-689-0516
 216-689-0897