**# 2017 Presentation and Metrics**

**## Inflation**

1. FOMC PCE Inflation Expectations

\* use the FOMC Summary of Economic Projections

2. CPI Breakdown

3. CPI and Core CPI

4. Flexible Prices

5. Sticky Prices

6. Producer Price Index for Commodities

7. Oil and Gas Prices

8. 5yr 5yr forward inflation expectations

9. University of Michigan Inflation Expectations

10. Rent CPI

11. Food Away from Home CPI

12. Wages: Production and Supervisory

13. New and Used Car CPI

14. E-Commerce

15. Digital Price Index

**## Labor Market**

1. FOMC Unemployment Expectations

\* FOMC Summary of Economic Projections

2. Short run NAIRU (U3/Natural Rate Spread)

3. Kansas City Fed Labor Market Conditions Indicator

- LMCI Level of Activity

- LMCI Momentum

4. HKL Non-Unemployment and Civilian Unemployment

5. NFPs

6. Initial Jobless Claims

7. Job Rates

- private quit rate

- private job openings rate

- job availability

- jobs hard to fill

8. Median wage growth averages (bureau of labor statistics)

9. Measures of wage growth remain subdued

- average hourly earnings

- ECI

- Wage Growth Tracker

- Nonfarm business hourly compensation

10. EPOP

11. New Normal

12. Summary of the metrics we reference and relevance to pre-recession levels

**## GDP**

1. FOMC GDP Expectations from FOMC Summary of Economic Projections

2. Leading Index vs Real GDP

3. Retail sales

- real retail and food services sales

- light weight vehicle sales: Autos and Light Trucks

4. University of Michigan Consumer Sentiment

5. Real Disposable Personal Income

- also household net worth

6. Real Gross Private Domestic Investment (Business Investment)

7. Duke's Fuqua School of Business / CFO Magazine Global Business Outlook

8. Industrial Production Index

9. Trade deficit vs trade weighted US dollar

10.

**## Financial Stability**

1. St. Louis Fed Financial Stress Index

2. S&P 500 Index vs Schiller CAPE Index

3. VIX

4. Flattening Yield Curve

5. US 10yr T-note Yields vs UST 10yr T-note Volatility Futures

6. BAML HY Spread (credit spreads)

7. Business Lending

8. Consumer Lending

- Net % of Domestic Banks Tightening Standards on Consumer Loans, Credit Cards

9. Total debt service payments as % of disposable personal income

10. Nonfinancial Corporate Debt to GDP

11. Balance Sheet Evolution

12. Federal Debt

13. Economic Policy Uncertainty

**# 2016 Presentation and Metrics**

**## Inflation**

1. FOMC PCE Inflation Expectations

\* use the FOMC Summary of Economic Projections

2. Core CPI

3. Sticky Prices

4. Rent and Medical Cost Inflation

5. Wages and how wage pressures inflation

6. 5 year 5 year foward inflation expectation rate

7. cpi and consumer inflation expectations (have they been biased down by low energy or anything)

8. Inflation Transmission Mechanisms

**## Labor Market**

1. FOMC Unemployment Expectations

\* FOMC Summary of Economic Projections

2. U3/Natural Rate Spread (narrowing is good)

3. HKL

4. Jobless Claims

5. NFPs

6. Quit Rate and Job Openings Rate

7. Average Weekly Hours for All Employees

8. LFPR and EPOP Ratio

9. New Normal: Demographics

\* Gagnon, Johannsen (Understanding the New Normal: The Role of Demographics by Federal Reserve Researchers)

\* aging post-war baby boom generation causing downward pressure on

- growth rate of labor force

- GDP growth

- real interest rates

10. Discussion of Transmission Mechanisms

**## GDP**

1. FOMC GDP Expectations from FOMC Summary of Economic Projections

2. Change in Real GDP and Leading Indicators

3. Consumption growth due to retail growth (car sales vs leading indicators)

\* real retail and food services sales

\* light weight vehicle sales: autos and light trucks

4. University of Michigan: Consumer Sentiment

5. Real Disposable Personal Income: Per Capita

6. Household net worth rising

7. business spending has recovered with recent softness

8. Duke's Fuqua School of Business / CFO Magazine Global Business Outlook

9. Real Trade Deficits

\* net exports

\* trade weighted US Dollar index

10. Atlanta Fed GDPNow

**## Financial Stability**

1. Household Debt to GDP

2. S&P Case-Schiller 20-city Composite Home Price NSA Index

3. UST Yield Curve has Flattened over the past year

4. HY/10yr UST spread

\* if it is narrowing it indicates less risk in Corporate HY debt and increased access to capital in public debt markets

5. Changes in Commercial Real Estate Loan Standards

6. Some metrics to measure access to credit for banks

7. more NPL's are oil loans while other credit markets are healthy

8. S&P Financials Index

9. S&P Composite and S&P Earnings

10. Investor credit balance and margin data

11. VIX

12. Market Cap to GDP

13. Economic Uncertainty

- European Economic Uncertainty

- UK Economic Uncertainty

- US Economic Uncertainty

- Japanese Economic Uncertainty

- (Brexit Concerns)

14. Breakdown of US Top Trading Partners