Capital Markets Snapshot

U.S. Economy

- Real U.S. GDP grew at an annualized quarterly pace of 33.1%
 (-2.9% YoY) in the third quarter, its fastest pace ever. Strong consumer spending, residential and business fixed investment, and restocking of inventories supported the Q3 bounce back.
- Personal incomes grew 6.2% YoY in September, while spending shrunk -2.0%, as savings rates remained elevated (14.3%) relative to pre-pandemic levels (8.3% in February). Strong growth in Q4 will likely hinge on consumers' willingness to spend down savings.
- Continuing claims data indicated slow-and-steady improvement in the U.S. labor market – claims fell from 9.0 million to 7.4 million.

U.S. Markets

- Large-cap U.S. equities took a step back and declined -6.1% over the period. Though most of big tech managed to beat revenue and earnings expectations, discouraging guidance and COVID-19 case growth in Europe helped to push investors' risk appetite lower.
- The Cboe VIX Index, which measures the market's expectation of 30-day forward looking volatility on the S&P 500 Index, rose as high as 40.3 and ended the period at 38.0, a four-month high.
- Despite the generally risk-off flows evident in global financial markets, 10-year Treasury bonds sold off, and yields grinded upward to 0.87%, their highest level since early June of this year.

International Economy

- COVID-19 case growth continued to accelerate across Europe, and the seven-day average daily case growth for the E.U. and the U.K. combined rose from 118K to 201K. France and Ireland entered second lockdowns and most of the continent reintroduced curbs.
- Eurozone GDP bounced back by more than analysts expected in the third quarter but remained below Q3 2019 levels. GDP grew at an annualized quarterly rate of 12.7% in Q3, (exp. +9.6%) up from -11.8% in Q2, but YoY growth remained negative (-4.3%).
- The European Central Bank left policy unchanged but strongly hinted that further support will be announced in December.

International Markets

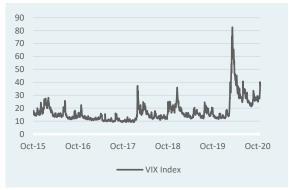
- In a down-period for global risk assets, emerging market equities (-1.8%) outperformed international developed (-5.4%) and U.S. equities (-6.1%) in U.S. dollar-terms. Chinese equities (MSCI China +0.0%) remained buoyant and provided support.
- Hard-currency denominated emerging market debt (JPM EMBI -1.6%) underperformed riskier U.S. credit (Bloomberg Barclays Corporate High Yield Index -0.9%) over the prior two weeks.
- Brent crude oil delivered a total return of -12.3%, and spot prices fell to \$37.94/bbl. European demand concerns and higher-thanexpected Libyan output likely contributed to the declines.

PERSONAL INCOME AND SPENDING (% YOY)



Source: Bureau of Economic Analysis, as of 9/30/20

IMPLIED VOLATILITY



Source: Choe, Bloomberg, as of 10/30/20

EUROZONE GDP GROWTH (% YOY)



Source: Bloomberg as of 9/30/20

BRENT CRUDE OIL PRICES (\$/BARREL)



Source: Bloomberg, as of 10/30/20



Capital Markets Snapshot

-2.10

-5.31

-0.04

12.03

20.65

1.96

MARKET PERFORMANCE

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S&P 500 TR USD Russell 2000 TR USD MSCI ACWI NR USD MSCI EAFE NR USD MSCI EM NR USD

Fixed Income

Barclays US Treasury US TIPS TR USD Barclays US Treasury TR USD Barclays Long Term US Treasury TR USD Barclays US Agg Bond TR USD Barclays US Credit TR USD Barclays High Yield Corporate TR USD JPM EMBI Global Diversified TR USD

Other

Bloomberg Commodity TR USD Wilshire US REIT TR USD MSCI Currency Factor Mix ER USD

Last Two Weeks 10/19/2020 - 10/30/2020		October		QTD		YTD	
Return	Std Dev	Return	Std Dev	Return	Std Dev	Return	Std Dev
-6.10	22.70	-2.66	20.90	-2.66	20.90	2.77	37.24
-5.82	23.59	2.09	22.67	2.09	22.67	-6.77	45.40
-5.48	16.70	-2.43	16.08	-2.43	16.08	-1.09	29.80
-5.41	13.71	-3.99	14.53	-3.99	14.53	-10.80	25.50
-1.81	10.78	2.06	11.50	2.06	11.50	0.87	25.55
-0.72	2.38	-0.65	2.33	-0.65	2.33	8.52	7.85
-0.55	2.81	-0.94	3.01	-0.94	3.01	7.88	6.53
-1.79	9.73	-3.01	10.24	-3.01	10.24	17.69	21.07
-0.46	2.21	-0.45	2.30	-0.45	2.30	6.32	4.99
-0.77	3.47	-0.22	3.63	-0.22	3.63	6.15	8.35
-0.89	3.24	0.51	3.39	0.51	3.39	1.13	11.36
-1.57	2.76	-0.03	3.91	-0.03	3.91	-0.54	13.02

13.02

21.58

1.73

1.41

-2.46

-0.12

1.41

-2.46

-0.12

1.73 Source: Morningstar, Data as of last available market close, Top/bottom two highlighted.

13.02

21.58

-10.85

-18.79

-1.29

17.64

45.91

3.18

ECONOMIC DATA - RELEASED

Date	Country	Event	Freq	Period	Surv(M)	Actual	Surprise
10/19/20	US	NAHB Housing Market Index	M	Oct	83.0	85.0	1.3
10/20/20	US	Housing Starts	М	Sep	1465k	1415k	-1.6
10/20/20	UK	CPI Core YoY	М	Sep	1.3%	1.3%	0.0
10/29/20	US	Continuing Claims	W	17-Oct	7775k	7756k	-0.1
10/22/20	US	Existing Home Sales	M	Sep	6.30m	6.54m	1.5
10/22/20	US	Kansas City Fed Manf. Activity	М	Oct	11	13	1.6
10/23/20	EC	Markit Eurozone Manufacturing PMI	М	Oct P	53.0	54.4	1.8
10/23/20	EC	Markit Eurozone Services PMI	М	Oct P	47.0	46.2	-0.8
10/23/20	US	Markit US Manufacturing PMI	M	Oct P	53.5	53.3	-0.5
10/23/20	US	Markit US Services PMI	М	Oct P	54.6	56.0	4.8
10/27/20	US	Durable Goods Orders	М	Sep P	0.5%	1.9%	1.4
10/27/20	US	Conf. Board Consumer Confidence	М	Oct	102.0	100.9	-0.6
10/28/20	US	Advance Goods Trade Balance	М	Sep	-\$84.5b	-\$79.4b	3.1
10/29/20	US	GDP Annualized QoQ	Q	3Q A	32.0%	33.1%	0.4
10/30/20	US	Personal Spending	М	Sep	1.0%	1.4%	1.5

ECONOMIC DATA - NEXT TWO WEEKS

Date	Country	Event	Freq	Period	Prior	Surv(M)	Std Dev	
11/02/20	IT	Markit Italy Manufacturing PMI	M	Oct	53.2	53.7	1.1	
11/02/20	US	ISM Manufacturing	M	Oct	55.4	55.8	0.6	
11/03/20	US	Factory Orders	M	Sep	0.7%	1.0%	0.3	
11/04/20	IT	Markit Italy Services PMI	M	Oct	48.8	47.1	1.0	
11/04/20	US	Trade Balance	M	Sep	-\$67.1b	-\$63.9b	2.3	
11/04/20	US	ISM Services Index	M	Oct	57.8	57.5	0.5	
11/05/20	EC	Retail Sales YoY	M	Sep	3.7%	2.8%	0.6	
11/05/20	UK	BOE Asset Purchase Program Total	D	5-Nov	745b	845b	137.8	
11/06/20	US	Change in Nonfarm Payrolls	M	Oct	661k	600k	139.5	
11/06/20	US	Unemployment Rate	M	Oct	7.9%	7.7%	0.2	
11/06/20	US	Average Hourly Earnings YoY	M	Oct	4.7%	4.6%	0.1	
11/06/20	US	Labor Force Participation Rate	M	Oct	61.4%	61.5%	0.0	
11/06/20	US	Underemployment Rate	M	Oct	12.8%	10.8%	1.6	
11/06/20	US	Consumer Credit	М	Sep	-\$7.220b	\$8.250b	14.7	
11/13/20	US	Mortgage Delinquencies	Q	3Q	8.2%			

Source: Bloomberg

