

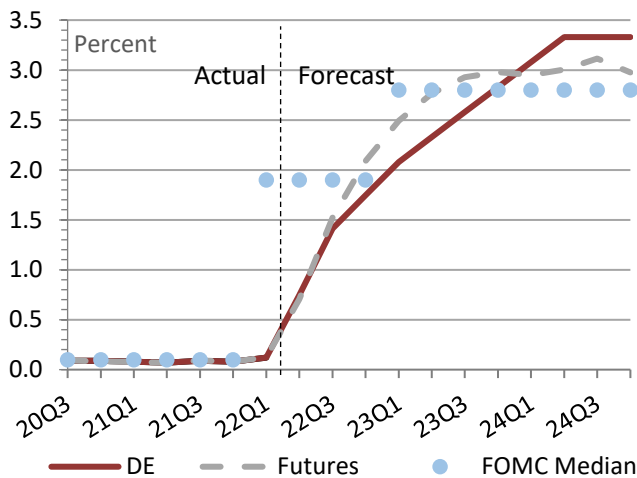
**Table 1**  
**U.S. Treasury Yield\* (Qtly. Avg.) (%)**

Treas.	22Q1A	22Q2F	22Q3F	22Q4F	23Q1F	23Q2F
3mo	0.31	<b>0.75</b>	<b>1.34</b>	<b>1.65</b>	<b>1.94</b>	<b>2.17</b>
12mo	0.92	<b>1.75</b>	<b>2.15</b>	<b>2.40</b>	<b>2.64</b>	<b>2.87</b>
2yr	1.60	<b>2.50</b>	<b>2.76</b>	<b>2.97</b>	<b>3.16</b>	<b>3.39</b>
5yr	1.94	<b>2.71</b>	<b>2.96</b>	<b>3.19</b>	<b>3.41</b>	<b>3.63</b>
10yr	2.02	<b>2.80</b>	<b>3.06</b>	<b>3.30</b>	<b>3.54</b>	<b>3.74</b>
30yr	2.26	<b>2.87</b>	<b>3.14</b>	<b>3.39</b>	<b>3.65</b>	<b>3.94</b>

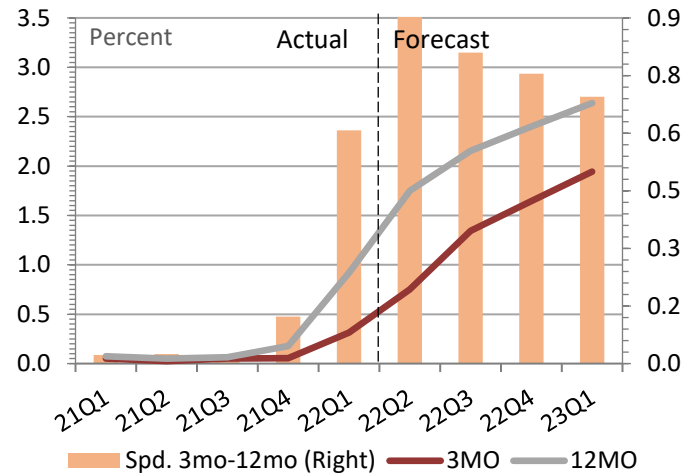
**Table 2**  
**Treasury Yield Curve Spreads\* (%)**

Spread	22Q1A	22Q2F	22Q3F	22Q4F	23Q1F	23Q2F
3mo-2yr	1.29	<b>1.75</b>	<b>1.42</b>	<b>1.32</b>	<b>1.22</b>	<b>1.23</b>
3mo-10yr	1.71	<b>2.05</b>	<b>1.71</b>	<b>1.66</b>	<b>1.59</b>	<b>1.57</b>
3mo-30yr	1.95	<b>2.11</b>	<b>1.79</b>	<b>1.75</b>	<b>1.70</b>	<b>1.77</b>
2yr-10yr	0.42	<b>0.30</b>	<b>0.30</b>	<b>0.34</b>	<b>0.38</b>	<b>0.35</b>
2yr-30yr	0.66	<b>0.37</b>	<b>0.37</b>	<b>0.42</b>	<b>0.49</b>	<b>0.54</b>
10yr-30yr	0.23	<b>0.07</b>	<b>0.08</b>	<b>0.09</b>	<b>0.11</b>	<b>0.20</b>

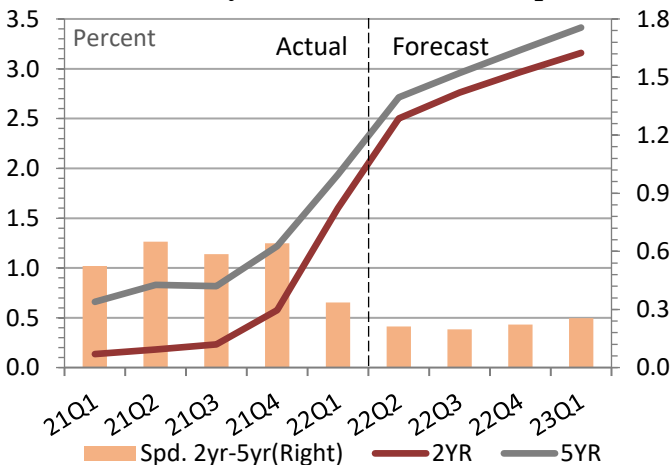
**Chart 1**  
**Fed Funds Rate (DE and Alts.) (%)**



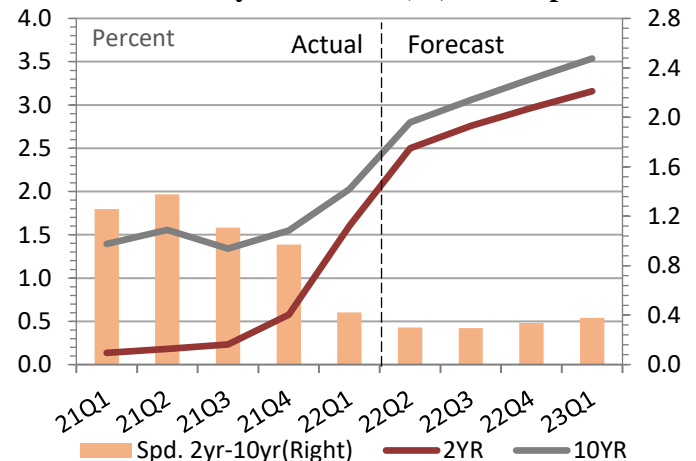
**Chart 2**  
**U.S. Treasury Bill Rates (%)**



**Chart 3**  
**U.S. Treasury Note Rates (%) – 2-5 Spread**



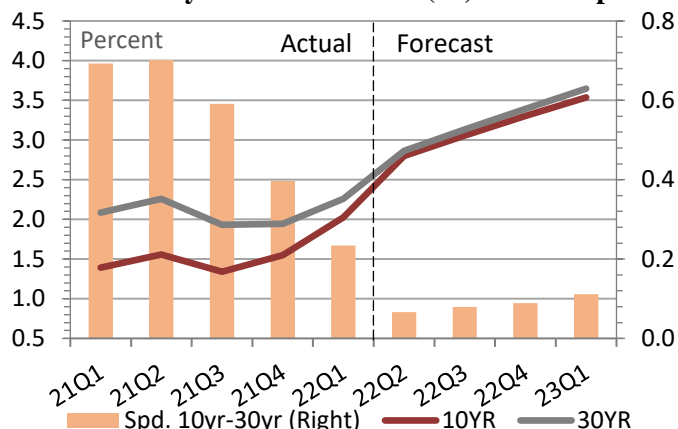
**Chart 4**  
**U.S. Treasury Note Rates (%) – 2-10 Spread**



\* Number in bold indicates a change from last publication.

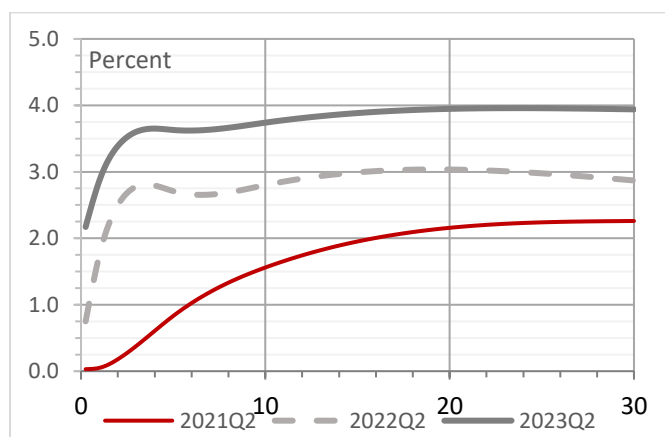
**Chart 5**

**U.S. Treasury Note/Bond Rates (%) – 10-30 Spread**



**Chart 6**

**U.S. Treasury Yield Curve (%)**



**Table 3: Factors Underlying U.S. Treasury Rates**

	22Q1A	22Q2F	22Q3F	22Q4F	23Q1F	23Q2F	23Q3F
<b>Monetary Policy</b>							
Federal Funds (%)	0.12	0.75	1.41	1.75	2.08	2.33	2.58
Federal Funds Futures (%)	0.12	0.70	<b>1.52</b>	<b>2.09</b>	<b>2.49</b>	<b>2.77</b>	<b>2.93</b>
3-Mo. Treasury Bill (%)	0.10	0.75	1.34	1.65	1.94	2.17	2.39
2-Yr. Treasury Bill (%)	0.92	2.50	<b>2.76</b>	<b>2.97</b>	<b>3.16</b>	<b>3.39</b>	<b>3.55</b>
<b>Economy, Inflation, and Volatility</b>							
Real GDP (2012 \$ Bils.)	19958.7	<b>20086.6</b>	<b>20265.4</b>	<b>20555.1</b>	<b>20761.1</b>	<b>20929.2</b>	<b>21089.0</b>
Ann. Q/Q (%)	3.1	2.6	3.6	5.8	4.1	3.3	3.1
Y/Y (%)	4.7	3.7	4.0	3.8	4.0	4.2	4.1
Federal Budget Surplus or Deficit (\$ Bils.)	-686.3	-503.3	-366.2	-636.7	-507.8	-541.2	-512.6
PCE Price Deflator Y/Y (%)	6.3	6.1	5.8	5.0	4.2	3.6	3.5
U. of M. Expected Inflation 5-10 Yrs (%)	3.0	3.0	3.0	3.2	3.2	3.3	3.4
DE Expected Inflation Ann. Q/Q (%)	1.7	1.8	1.9	2.0	2.1	2.2	2.3
SPX Volatility Index (VIX)	25.3	27.7	<b>27.7</b>	23.9	20.3	16.9	14.2
<b>Money &amp; Banking</b>							
Monetary Base (\$ Bils.)	6005.9	<b>5572.4</b>	<b>5146.3</b>	<b>4754.7</b>	<b>4393.1</b>	<b>4078.7</b>	<b>3937.1</b>
Y/Y (%)	9.0	-7.7	-18.1	-25.5	-26.9	-26.8	-23.5
Nonborrowed Res. (\$ Bils.)	3776.1	<b>3646.9</b>	<b>3546.9</b>	<b>3446.9</b>	<b>3346.9</b>	<b>3246.9</b>	<b>3146.9</b>
Y/Y (%)	12.6	-3.8	-11.6	-16.3	-11.4	-11.0	-11.3
Treasury Debt Held by Public (\$ Trils.)	23.6	<b>23.8</b>	<b>23.2</b>	<b>22.5</b>	<b>21.7</b>	<b>20.7</b>	<b>19.5</b>
Y/Y (%)	8.4	7.7	4.1	-0.5	-8.0	-13.0	-16.0
Treasury Securities Held by the Fed (\$ Bils.)	5722.5	<b>5674.0</b>	<b>5474.0</b>	<b>5274.0</b>	<b>5074.0</b>	<b>4874.0</b>	<b>4674.0</b>
Y/Y (%)	19.1	12.2	3.2	-4.9	-11.3	-14.1	-14.6
<b>Foreign Fixed Income</b>							
Germany 10-Yr Govt. Bond (%)	0.16	<b>1.06</b>	<b>1.95</b>	<b>2.85</b>	<b>3.75</b>	<b>4.66</b>	<b>5.56</b>
Japan 10-Yr Govt. Bond (%)	0.18	<b>0.27</b>	<b>0.38</b>	<b>0.49</b>	<b>0.59</b>	<b>0.70</b>	<b>0.81</b>

A = Actual

F = Forecast