

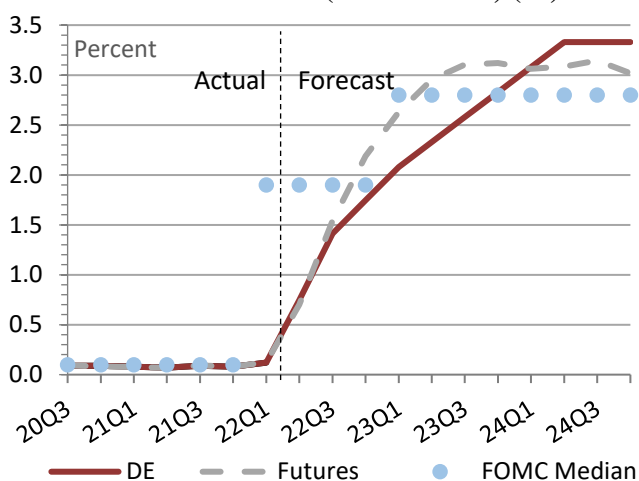
**Table 1**  
U.S. Treasury Yield\* (Qtly. Avg.) (%)

Treas.	22Q1A	22Q2F	22Q3F	22Q4F	23Q1F	23Q2F
3mo	0.31	<b>0.74</b>	<b>1.23</b>	<b>1.53</b>	<b>1.83</b>	<b>2.06</b>
12mo	0.92	<b>1.73</b>	<b>2.03</b>	<b>2.26</b>	<b>2.52</b>	<b>2.77</b>
2yr	1.53	<b>2.48</b>	<b>2.64</b>	<b>2.80</b>	<b>3.03</b>	<b>3.30</b>
5yr	1.82	<b>2.55</b>	<b>2.75</b>	<b>2.85</b>	<b>3.05</b>	<b>3.33</b>
10yr	1.94	<b>2.47</b>	<b>2.77</b>	<b>2.90</b>	<b>3.24</b>	<b>3.53</b>
30yr	2.26	<b>2.64</b>	<b>2.87</b>	<b>3.05</b>	<b>3.34</b>	<b>3.62</b>

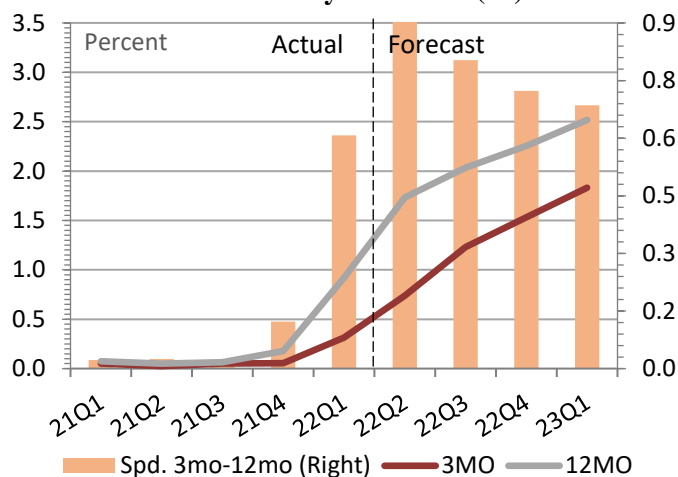
**Table 2**  
Treasury Yield Curve Spreads\* (%)

Spread	22Q1A	22Q2F	22Q3F	22Q4F	23Q1F	23Q2F
3mo-2yr	1.22	<b>1.74</b>	<b>1.41</b>	<b>1.26</b>	<b>1.20</b>	<b>1.24</b>
3mo-10yr	1.63	<b>1.73</b>	<b>1.54</b>	<b>1.37</b>	<b>1.41</b>	<b>1.48</b>
3mo-30yr	1.95	<b>1.90</b>	<b>1.64</b>	<b>1.51</b>	<b>1.51</b>	<b>1.57</b>
2yr-10yr	0.41	<b>-0.01</b>	<b>0.13</b>	<b>0.11</b>	<b>0.21</b>	<b>0.23</b>
2yr-30yr	0.73	<b>0.16</b>	<b>0.23</b>	<b>0.25</b>	<b>0.31</b>	<b>0.33</b>
10yr-30yr	0.32	<b>0.17</b>	<b>0.10</b>	<b>0.14</b>	<b>0.10</b>	<b>0.09</b>

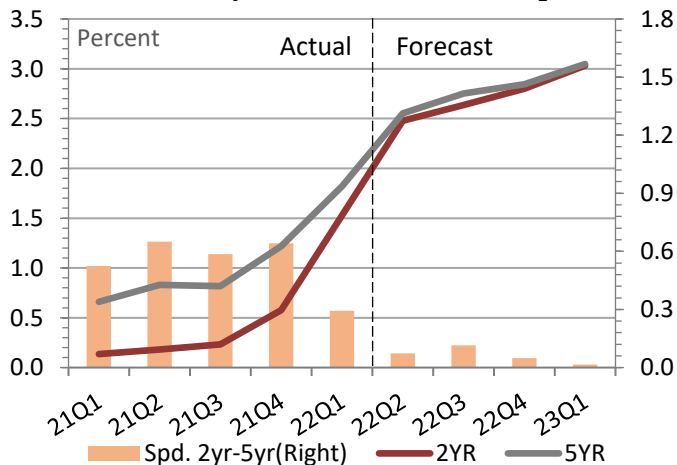
**Chart 1**  
Fed Funds Rate (DE and Alts.) (%)



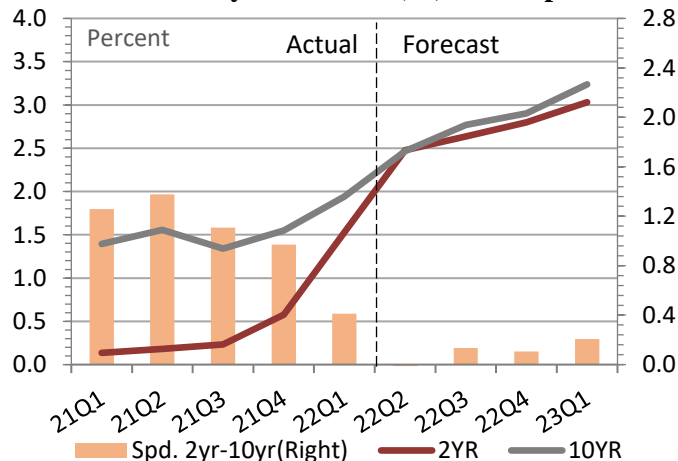
**Chart 2**  
U.S. Treasury Bill Rates (%)



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



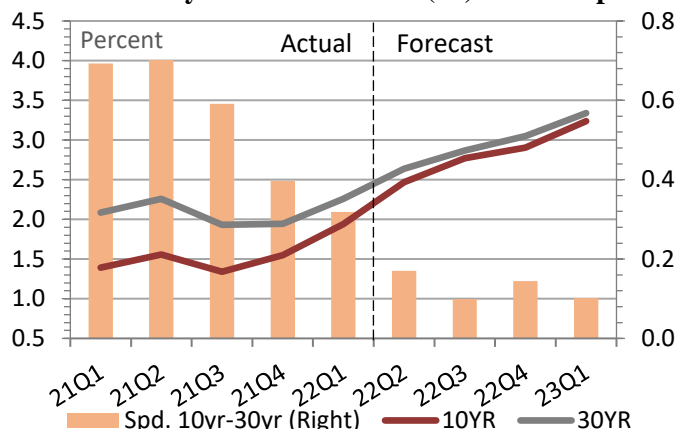
**Chart 4**  
U.S. Treasury Note Rates (%) – 2-10 Spread



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

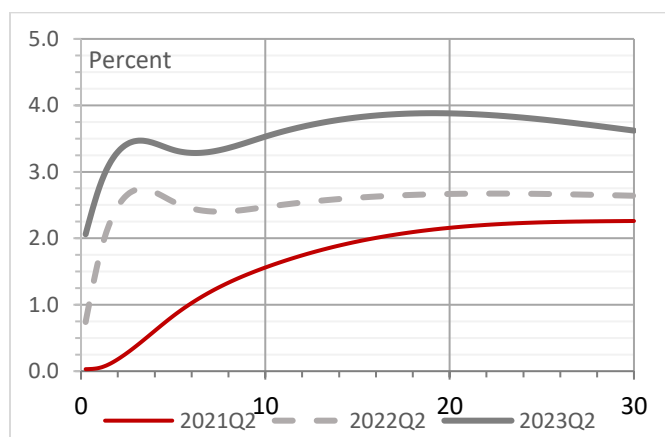
**Chart 5**

**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>1.54</b>	<b>2.19</b>	<b>2.63</b>	<b>2.96</b>	<b>3.10</b>
3-Mo. Treasury Bill (%)	0.09	0.74	1.23	1.53	1.83	2.06	2.28
2-Yr. Treasury Bill (%)	0.89	2.48	<b>2.64</b>	<b>2.80</b>	<b>3.03</b>	<b>3.30</b>	<b>3.45</b>
<b>Economy, Inflation, and Volatility</b>							
Real GDP (2012 \$ Bils.)	19943.9	<b>20048.3</b>	<b>20226.5</b>	<b>20515.5</b>	<b>20749.9</b>	<b>20929.5</b>	<b>21099.4</b>
Ann. Q/Q (%)	2.8	2.1	3.6	5.8	4.6	3.5	3.3
Y/Y (%)	4.7	3.5	3.8	3.6	4.0	4.4	4.3
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	5.6	4.8	3.8	3.1	3.0
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>23.6</b>	<b>23.1</b>	<b>22.4</b>	<b>21.5</b>	<b>20.5</b>	<b>19.4</b>
Y/Y (%)	8.4	7.1	3.5	-1.1	-8.5	-13.1	-16.1
Treasury Securities Held by the Fed (\$ Bils.)	5722.5	<b>5601.2</b>	<b>5401.2</b>	<b>5201.1</b>	<b>5001.1</b>	<b>4801.1</b>	<b>4601.1</b>
Y/Y (%)	19.1	10.7	1.8	-6.2	-12.6	-14.3	-14.8
<b>Foreign Fixed Income</b>							
Germany 10-Yr Govt. Bond (%)	0.16	<b>0.73</b>	<b>1.28</b>	<b>1.84</b>	<b>2.40</b>	<b>2.95</b>	<b>3.51</b>
Japan 10-Yr Govt. Bond (%)	0.18	<b>0.25</b>	<b>0.36</b>	<b>0.45</b>	<b>0.55</b>	<b>0.65</b>	<b>0.75</b>

A = Actual

F = Forecast