

30-Year Treasury Interest Rates and Corporate Bond Segment Rates

- The Corporate Bond Segment Rates and new mortality table are not reflected on the Fidelity system until the 15th of the following month.
- For BP employees on or after June 1, 2011, the interest rate used to determine heritage lump sum benefits (Amoco, ARCO, Castrol and Toledo Master Hourly Plan) was capped at 4.80% for benefits commencing July 1, 2011 and later. The corporate bond segment rates will be used if the effective lump sum interest rate is lower than 4.80%.

Benefit Commencement Date	Month/Year for the Lookback Rate	30 Year Treasury Interest Rate (Gatt Rate)	Corporate Bond Segment Rates		
			1st < 5 years	2nd > 5 years, up to 20 years	3rd > 20 years
February 1, 2022	Oct-2021	2.06%	0.87%	2.74%	3.16%
January 1, 2022	Sep-2021	1.94%	0.70%	2.55%	3.06%
December 1, 2021	Aug-2021	1.92%	0.66%	2.50%	3.12%
November 1, 2021	Jul-2021	1.94%	0.63%	2.51%	3.10%
October 1, 2021	Jun-2021	2.16%	0.63%	2.70%	3.32%
September 1, 2021	May-2021	2.32%	0.61%	2.84%	3.54%
August 1, 2021	Apr-2021	2.30%	0.67%	2.84%	3.47%
July 1, 2021	Mar-2021	2.34%	0.69%	2.92%	3.69%
June 1, 2021	Feb-2021	2.04%	0.51%	2.54%	3.45%
May 1, 2021	Jan-2021	1.82%	0.50%	2.38%	3.17%
April 1, 2021	Dec-2020	1.67%	0.51%	2.26%	3.01%
March 1, 2021	Nov-2020	1.62%	0.53%	2.31%	3.09%
February 1, 2021	Oct-2020	1.57%	0.54%	2.38%	3.28%
January 1, 2021	Sep-2020	1.42%	0.51%	2.31%	3.15%
December 1, 2020	Aug-2020	1.36%	0.52%	2.22%	3.03%
November 1, 2020	Jul-2020	1.31%	0.59%	2.25%	3.01%
October 1, 2020	Jun-2020	1.49%	0.74%	2.57%	3.32%
September 1, 2020	May-2020	1.38%	1.08%	2.78%	3.47%
August 1, 2020	Apr-2020	1.27%	1.58%	2.88%	3.24%
July 1, 2020	Mar-2020	1.46%	2.22%	3.08%	3.73%
June 1, 2020	Feb-2020	1.97%	1.73%	2.72%	3.35%
May 1, 2020	Jan-2020	2.22%	1.91%	2.93%	3.54%
April 1, 2020	Dec-2019	2.30%	2.03%	3.06%	3.59%
March 1, 2020	Nov-2019	2.28%	2.04%	3.09%	3.68%
February 1, 2020	Oct-2019	2.19%	2.01%	3.06%	3.65%
January 1, 2020	Sep-2019	2.16%	2.13%	3.07%	3.65%
December 1, 2019	Aug-2019	2.12%	2.09%	3.00%	3.61%
November 1, 2019	Jul-2019	2.57%	2.34%	3.38%	4.01%
October 1, 2019	Jun-2019	2.57%	2.41%	3.51%	4.16%
September 1, 2019	May-2019	2.82%	2.72%	3.76%	4.33%
August 1, 2019	Apr-2019	2.94%	2.79%	3.88%	4.33%

30-Year Treasury Interest Rates and Corporate Bond Segment Rates

- The Corporate Bond Segment Rates and new mortality table are not reflected on the Fidelity system until the 15th of the following month.
- For BP employees on or after June 1, 2011, the interest rate used to determine heritage lump sum benefits (Amoco, ARCO, Castrol and Toledo Master Hourly Plan) was capped at 4.80% for benefits commencing July 1, 2011 and later. The corporate bond segment rates will be used if the effective lump sum interest rate is lower than 4.80%.

Benefit Commencement Date	Month/Year for the Lookback Rate	30 Year Treasury Interest Rate (Gatt Rate)	Corporate Bond Segment Rates		
			1st < 5 years	2nd > 5 years, up to 20 years	3rd > 20 years
July 1, 2019	Mar-2019	2.98%	2.86%	4.00%	4.42%
June 1, 2019	Feb-2019	3.02%	3.01%	4.11%	4.41%
May 1, 2019	Jan-2019	3.04%	3.19%	4.25%	4.60%
April 1, 2019	Dec-2018	3.10%	3.38%	4.32%	4.69%
March 1, 2019	Nov-2018	3.36%	3.43%	4.46%	4.88%
February 1, 2019	Oct-2018	3.34%	3.33%	4.39%	4.72%
January 1, 2019	Sep-2018	3.15%	3.21%	4.26%	4.55%
December 1, 2018	Aug-2018	3.04%	3.10%	4.15%	4.46%
November 1, 2018	Jul-2018	3.01%	3.15%	4.20%	4.47%
October 1, 2018	Jun-2018	3.05%	3.12%	4.20%	4.60%
September 1, 2018	May-2018	3.13%	3.08%	4.19%	4.58%
August 1, 2018	Apr-2018	3.07%	2.99%	4.04%	4.43%
July 1, 2018	Mar-2018	3.09%	2.91%	3.99%	4.43%
June 1, 2018	Feb-2018	3.13%	2.72%	3.94%	4.33%
May 1, 2018	Jan-2018	2.88%	2.48%	3.65%	4.15%
April 1, 2018	Dec-2017	2.77%	2.33%	3.55%	4.11%
March 1, 2018	Nov-2017	2.80%	2.20%	3.57%	4.24%
February 1, 2018	Oct-2017	2.88%	2.05%	3.61%	4.27%
January 1, 2018	Sep-2017	2.78%	1.96%	3.58%	4.35%
December 1, 2017	Aug-2017	2.80%	1.93%	3.57%	4.36%
November 1, 2017	Jul-2017	2.88%	1.97%	3.66%	4.37%
October 1, 2017	Jun-2017	2.80%	1.96%	3.60%	4.39%
September 1, 2017	May-2017	2.96%	1.96%	3.77%	4.62%
August 1, 2017	Apr-2017	2.94%	1.96%	3.78%	4.66%
July 1, 2017	Mar-2017	3.08%	2.06%	3.95%	4.75%
June 1, 2017	Feb-2017	3.03%	1.96%	3.91%	4.69%
May 1, 2017	Jan-2017	3.02%	2.00%	3.91%	4.66%

30-Year Treasury Interest Rates and Corporate Bond Segment Rates

- The Corporate Bond Segment Rates and new mortality table are not reflected on the Fidelity system until the 15th of the following month.
- For BP employees on or after June 1, 2011, the interest rate used to determine heritage lump sum benefits (Amoco, ARCO, Castrol and Toledo Master Hourly Plan) was capped at 4.80% for benefits commencing July 1, 2011 and later. The corporate bond segment rates will be used if the effective lump sum interest rate is lower than 4.80%.

Benefit Commencement Date	Month/Year for the Lookback Rate	30 Year Treasury Interest Rate (Gatt Rate)	Corporate Bond Segment Rates		
			1st < 5 years	2nd > 5 years, up to 20 years	3rd > 20 years
April 1, 2017	Dec-2016	3.11%	2.04%	4.03%	4.82%
March 1, 2017	Nov-2016	2.86%	1.79%	3.80%	4.71%
February 1, 2017	Oct-2016	2.50%	1.57%	3.45%	4.39%
January 1, 2017	Sep-2016	2.35%	1.47%	3.34%	4.30%
December 1, 2016	Aug-2016	2.26%	1.39%	3.27%	4.18%
November 1, 2016	Jul-2016	2.23%	1.36%	3.26%	4.16%
October 1, 2016	Jun-2016	2.45%	1.44%	3.46%	4.48%
September 1, 2016	May-2016	2.63%	1.50%	3.60%	4.62%
August 1, 2016	Apr-2016	2.62%	1.47%	3.65%	4.62%
July 1, 2016	Mar-2016	2.68%	1.68%	3.87%	4.84%
June 1, 2016	Feb-2016	2.62%	1.71%	3.98%	5.03%
May 1, 2016	Jan-2016	2.86%	1.78%	4.08%	5.02%
April 1, 2016	Dec-2015	2.97%	1.82%	4.12%	5.01%
March 1, 2016	Nov-2015	3.03%	1.76%	4.15%	5.13%
February 1, 2016	Oct-2015	2.89%	1.61%	4.02%	5.03%
January 1, 2016	Sep-2015	2.95%	1.69%	4.11%	5.07%
December 1, 2015	Aug-2015	2.86%	1.68%	4.05%	4.98%
November 1, 2015	Jul-2015	3.07%	1.63%	4.14%	5.13%
October 1, 2015	Jun-2015	3.11%	1.59%	4.13%	5.20%
September 1, 2015	May-2015	2.96%	1.38%	3.88%	4.98%
August 1, 2015	Apr-2015	2.59%	1.27%	3.52%	4.47%
July 1, 2015	Mar-2015	2.63%	1.38%	3.58%	4.50%
June 1, 2015	Feb-2015	2.57%	1.35%	3.52%	4.47%
May 1, 2015	Jan-2015	2.46%	1.33%	3.46%	4.40%

30-Year Treasury Interest Rates and Corporate Bond Segment Rates

- The Corporate Bond Segment Rates and new mortality table are not reflected on the Fidelity system until the 15th of the following month.
- For BP employees on or after June 1, 2011, the interest rate used to determine heritage lump sum benefits (Amoco, ARCO, Castrol and Toledo Master Hourly Plan) was capped at 4.80% for benefits commencing July 1, 2011 and later. The corporate bond segment rates will be used if the effective lump sum interest rate is lower than 4.80%.

Benefit Commencement Date	Month/Year for the Lookback Rate	30 Year Treasury Interest Rate (Gatt Rate)	Corporate Bond Segment Rates		
			1st < 5 years	2nd > 5 years, up to 20 years	3rd > 20 years
April 1, 2015	Dec-2014	2.83%	1.48%	3.77%	4.79%
March 1, 2015	Nov-2014	3.04%	1.40%	3.88%	4.96%
February 1, 2015	Oct-2014	3.04%	1.29%	3.81%	4.88%
January 1, 2015	Sep-2014	3.26%	1.40%	3.98%	5.04%
December 1, 2014	Aug-2014	3.20%	1.24%	3.86%	4.96%
November 1, 2014	Jul-2014	3.33%	1.26%	3.94%	5.02%
October 1, 2014	Jun-2014	3.42%	1.23%	4.01%	5.09%
September 1, 2014	May-2014	3.39%	1.17%	3.98%	5.01%
August 1, 2014	Apr-2014	3.52%	1.24%	4.13%	5.15%
July 1, 2014	Mar-2014	3.62%	1.23%	4.23%	5.31%
June 1, 2014	Feb-2014	3.66%	1.17%	4.29%	5.36%
May 1, 2014	Jan-2014	3.77%	1.24%	4.42%	5.40%
April 1, 2014	Dec-2013	3.89%	1.25%	4.57%	5.60%
March 1, 2014	Nov-2013	3.80%	1.19%	4.53%	5.66%
February 1, 2014	Oct-2013	3.68%	1.24%	4.47%	5.52%
January 1, 2014	Sep-2013	3.79%	1.40%	4.66%	5.62%
December 1, 2013	Aug-2013	3.76%	1.36%	4.60%	5.58%
November 1, 2013	Jul-2013	3.61%	1.34%	4.45%	5.44%
October 1, 2013	Jun-2013	3.40%	1.24%	4.25%	5.43%
September 1, 2013	May-2013	3.11%	0.97%	3.76%	5.01%
August 1, 2013	Apr-2013	2.93%	0.93%	3.61%	4.88%
July 1, 2013	Mar-2013	3.16%	0.97%	3.82%	5.11%
June 1, 2013	Feb-2013	3.17%	0.99%	3.82%	5.02%
May 1, 2013	Jan-2013	3.08%	1.00%	3.73%	4.89%

30-Year Treasury Interest Rates and Corporate Bond Segment Rates

- The Corporate Bond Segment Rates and new mortality table are not reflected on the Fidelity system until the 15th of the following month.
- For BP employees on or after June 1, 2011, the interest rate used to determine heritage lump sum benefits (Amoco, ARCO, Castrol and Toledo Master Hourly Plan) was capped at 4.80% for benefits commencing July 1, 2011 and later. The corporate bond segment rates will be used if the effective lump sum interest rate is lower than 4.80%.

Benefit Commencement Date	Month/Year for the Lookback Rate	30 Year Treasury Interest Rate (Gatt Rate)	Corporate Bond Segment Rates		
			1st < 5 years	2nd > 5 years, up to 20 years	3rd > 20 years
April 1, 2013	Dec-2012	2.88%	1.00%	3.57%	4.77%
March 1, 2013	Nov-2012	2.80%	0.97%	3.50%	4.60%
February 1, 2013	Oct-2012	2.90%	0.96%	3.57%	4.58%
January 1, 2013	Sep-2012	2.88%	1.02%	3.71%	4.67%
December 1, 2012	Aug-2012	2.77%	1.13%	3.71%	4.52%
November 1, 2012	Jul-2012	2.59%	1.22%	3.66%	4.50%
October 1, 2012	Jun-2012	2.70%	1.60%	3.97%	4.93%
September 1, 2012	May-2012	2.93%	1.59%	4.12%	5.04%
August 1, 2012	Apr-2012	3.18%	1.54%	4.30%	5.14%
July 1, 2012	Mar-2012	3.28%	1.57%	4.36%	5.18%
June 1, 2012	Feb-2012	3.11%	1.56%	4.27%	5.08%
May 1, 2012	Jan-2012	3.03%	1.84%	4.36%	5.19%
April 1, 2012	Dec-2011	2.98%	2.07%	4.45%	5.24%
March 1, 2012	Nov-2011	3.02%	1.99%	4.47%	5.26%
February 1, 2012	Oct-2011	3.13%	2.09%	4.56%	5.50%
January 1, 2012	Sep-2011	3.18%	1.98%	4.49%	5.80%
December 1, 2011	Aug-2011	3.65%	1.85%	4.62%	6.02%
November 1, 2011	Jul-2011	4.27%	1.72%	4.97%	6.28%
October 1, 2011	Jun-2011	4.23%	1.70%	4.99%	6.33%
September 1, 2011	May-2011	4.29%	1.72%	5.00%	6.21%
August 1, 2011	Apr-2011	4.50%	1.93%	5.23%	6.44%
July 1, 2011	Mar-2011	4.51%	1.91%	5.23%	6.46%
June 1, 2011	Feb-2011	4.65%	2.02%	5.34%	6.54%
May 1, 2011	Jan-2011	4.52%	1.93%	5.25%	6.42%
April 1, 2011	Dec-2010	4.42%	1.98%	5.23%	6.52%
March 1, 2011	Nov-2010	4.19%	1.65%	4.91%	6.52%

30-Year Treasury Interest Rates and Corporate Bond Segment Rates

- The Corporate Bond Segment Rates and new mortality table are not reflected on the Fidelity system until the 15th of the following month.
- For BP employees on or after June 1, 2011, the interest rate used to determine heritage lump sum benefits (Amoco, ARCO, Castrol and Toledo Master Hourly Plan) was capped at 4.80% for benefits commencing July 1, 2011 and later. The corporate bond segment rates will be used if the effective lump sum interest rate is lower than 4.80%.

Benefit Commencement Date	Month/Year for the Lookback Rate	30 Year Treasury Interest Rate (Gatt Rate)	Corporate Bond Segment Rates		
			1st < 5 years	2nd > 5 years, up to 20 years	3rd > 20 years
February 1, 2011	Oct-2010	3.87%	1.56%	4.73%	6.22%
January 1, 2011	Sep-2010	3.77%	1.74%	4.75%	6.03%
December 1, 2010	Aug-2010	3.80%	1.81%	4.81%	5.88%
November 1, 2010	Jul-2010	3.99%	2.06%	5.10%	6.11%
October 1, 2010	Jun-2010	4.13%	2.35%	5.35%	6.29%
September 1, 2010	May-2010	4.29%	2.34%	5.42%	6.26%
August 1, 2010	Apr-2010	4.69%	2.30%	5.60%	6.47%
July 1, 2010	Mar-2010	4.65%	2.29%	5.65%	6.58%
June 1, 2010	Feb-2010	4.62%	2.29%	5.77%	6.63%
May 1, 2010	Jan-2010	4.60%	2.31%	5.64%	6.47%
April 1, 2010	Dec-2009	4.49%	2.35%	5.65%	6.45%
March 1, 2010	Nov-2009	4.31%	2.35%	5.57%	6.29%
February 1, 2010	Oct-2009	4.19%	2.60%	5.58%	6.07%
January 1, 2010	Sep-2009	4.19%	2.73%	5.63%	6.07%
December 1, 2009	Aug-2009	4.37%	3.08%	5.94%	6.21%
November 1, 2009	Jul-2009	4.41%	3.39%	6.28%	6.47%
October 1, 2009	Jun-2009	4.52%	3.89%	6.59%	6.55%
September 1, 2009	May-2009	4.23%	4.27%	7.00%	6.77%
August 1, 2009	Apr-2009	3.76%	5.12%	7.15%	6.92%
July 1, 2009	Mar-2009	3.64%	5.70%	7.53%	7.85%
June 1, 2009	Feb-2009	3.59%	5.24%	7.07%	7.08%
May 1, 2009	Jan-2009	3.13%	5.20%	6.80%	6.31%
April 1, 2009	Dec-2008	2.87%	6.72%	7.12%	6.36%
March 1, 2009	Nov-2008	4.00%	7.11%	8.23%	7.42%
February 1, 2009	Oct-2008	4.17%	7.35%	8.61%	7.26%
January 1, 2009	Sep-2008	4.27%	5.86%	7.35%	6.88%

30-Year Treasury Interest Rates and Corporate Bond Segment Rates

- The Corporate Bond Segment Rates and new mortality table are not reflected on the Fidelity system until the 15th of the following month.

- For BP employees on or after June 1, 2011, the interest rate used to determine heritage lump sum benefits (Amoco, ARCO, Castrol and Toledo Master Hourly Plan) was capped at 4.80% for benefits commencing July 1, 2011 and later. The corporate bond segment rates will be used if the effective lump sum interest rate is lower than 4.80%.

Benefit Commencement Date	Month/Year for the Lookback Rate	30 Year Treasury Interest Rate (Gatt Rate)	Corporate Bond Segment Rates		
			1st < 5 years	2nd > 5 years, up to 20 years	3rd > 20 years
December 1, 2008	Aug-2008	4.50%	5.21%	6.87%	6.91%
November 1, 2008	Jul-2008	4.57%	5.16%	6.88%	7.04%
October 1, 2008	Jun-2008	4.69%	4.99%	6.64%	6.95%
September 1, 2008	May-2008	4.60%	4.67%	6.36%	6.77%
August 1, 2008	Apr-2008	4.44%	4.60%	6.28%	6.96%
July 1, 2008	Mar-2008	4.39%	4.28%	6.38%	6.99%
June 1, 2008	Feb-2008	4.52%	4.11%	6.18%	7.05%
May 1, 2008	Jan-2008	4.33%	4.39%	6.01%	6.72%
April 1, 2008	Dec-2007	4.53%	4.93%	6.13%	6.69%
March 1, 2008	Nov-2007	4.52%	4.92%	6.02%	6.47%
February 1, 2008	Oct-2007	4.77%	5.17%	6.02%	6.38%
January 1, 2008	Sep-2007	4.79%	5.28%	6.12%	6.55%
December 1, 2007	Aug-2007	4.93%	5.40%	6.20%	6.66%
November 1, 2007	Jul-2007	5.11%	5.53%	6.22%	6.60%
October 1, 2007	Jun-2007	5.20%	5.58%	6.21%	6.61%
September 1, 2007	May-2007	4.90%	5.32%	5.85%	6.32%
August 1, 2007	Apr-2007	4.87%	5.23%	5.81%	6.34%
July 1, 2007	Mar-2007	4.72%	5.13%	5.68%	6.19%
June 1, 2007	Feb-2007	4.82%	5.31%	5.76%	6.13%
May 1, 2007	Jan-2007	4.85%	5.35%	5.78%	6.22%
April 1, 2007	Dec-2006	4.68%	5.16%	5.60%	6.09%
March 1, 2007	Nov-2006	4.69%	5.25%	5.64%	6.07%
February 1, 2007	Oct-2006	4.85%	5.33%	5.81%	6.36%
January 1, 2007	Sep-2006	4.85%	5.32%	5.81%	6.42%

30-Year Treasury Interest Rates and Corporate Bond Segment Rates

- The Corporate Bond Segment Rates and new mortality table are not reflected on the Fidelity system until the 15th of the following month.
- For BP employees on or after June 1, 2011, the interest rate used to determine heritage lump sum benefits (Amoco, ARCO, Castrol and Toledo Master Hourly Plan) was capped at 4.80% for benefits commencing July 1, 2011 and later. The corporate bond segment rates will be used if the effective lump sum interest rate is lower than 4.80%.

Benefit Commencement Date	Month/Year for the Lookback Rate	30 Year Treasury Interest Rate (Gatt Rate)	Corporate Bond Segment Rates		
			1st < 5 years	2nd > 5 years, up to 20 years	3rd > 20 years
December 1, 2006	Aug-2006	5.00%	5.46%	5.98%	6.59%
November 1, 2006	Jul-2006	5.13%	5.67%	6.19%	6.75%
October 1, 2006	Jun-2006	5.16%	5.67%	6.21%	6.78%
September 1, 2006	May-2006	5.20%	5.52%	6.19%	6.79%
August 1, 2006	Apr-2006	5.06%	5.43%	6.06%	6.67%
July 1, 2006	Mar-2006	4.73%	5.27%	5.77%	6.31%
June 1, 2006	Feb-2006	4.58%	5.19%	5.61%	6.09%
May 1, 2006	Jan-2006	4.59%	4.96%	5.49%	6.14%
April 1, 2006	Dec-2005	4.65%	4.96%	5.54%	6.24%
March 1, 2006	Nov-2005	4.73%	4.95%	5.60%	6.34%
February 1, 2006	Oct-2005	4.68%	4.78%	5.50%	6.27%
January 1, 2006	Sep-2005	4.47%	4.44%	5.23%	6.05%