Docket	Date	Federal Funds Rate	30-Day Avg of 30-Year Treasury Bond Yield	Core Inflation Rate	CL&P Auth'd ROE
17-10-46					
Decision on 2017 Rate Case	4/18/2018	1.69%	3.05%	2.15%	9.25%
Current Proceeding					
Direct Testimony	5/29/2026	3.62%	4.83%	2.60%	TBD
Change since 2017 Rate Case:		*1.93%*	*1.78%*	*0.45%*	

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EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2000-07-03	7.03	7.03%
2000-07-04	#N/A	7.03%
2000-07-05	6.52	6.52%
2000-07-06	6.51	6.51%
2000-07-07	6.42	6.42%
2000-07-10	6.51	6.51%
2000-07-11	6.39	6.39%
2000-07-12	6.38	6.38%
2000-07-13	6.50	6.50%
2000-07-14	6.51	6.51%
2000-07-17	6.58	6.58%
2000-07-18	6.47	6.47%
2000-07-19	6.45	6.45%
2000-07-20	6.52	6.52%
2000-07-21	6.51	6.51%
2000-07-24	6.52	6.52%
2000-07-25	6.46	6.46%
2000-07-26	6.49	6.49%
2000-07-27	6.52	6.52%
2000-07-28	6.44	6.44%
2000-07-31	6.64	6.64%
2000-08-01	6.51	6.51%
2000-08-02	6.42	6.42%
2000-08-03	6.45	6.45%
2000-08-04	6.44	6.44%
2000-08-07	6.46	6.46%
2000-08-08	6.44	6.44%
2000-08-09	6.48	6.48%
2000-08-10	6.52	6.52%
2000-08-11	6.50	6.50%
2000-08-14	6.58	6.58%
2000-08-15	6.63	6.63%
2000-08-16	6.48	6.48%
2000-08-17	6.47	6.47%
2000-08-18	6.44	6.44%
2000-08-21	6.48	6.48%
2000-08-22	6.42	6.42%

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EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2000-08-23	6.50	6.50%
2000-08-24	6.56	6.56%
2000-08-25	6.54	6.54%
2000-08-28	6.57	6.57%
2000-08-29	6.51	6.51%
2000-08-30	6.51	6.51%
2000-08-31	6.65	6.65%
2000-09-01	6.52	6.52%
2000-09-04	#N/A	6.52%
2000-09-05	6.61	6.61%
2000-09-06	6.56	6.56%
2000-09-07	6.53	6.53%
2000-09-08	6.50	6.50%
2000-09-11	6.50	6.50%
2000-09-12	6.47	6.47%
2000-09-13	6.47	6.47%
2000-09-14	6.50	6.50%
2000-09-15	6.55	6.55%
2000-09-18	6.44	6.44%
2000-09-19	6.40	6.40%
2000-09-20	6.50	6.50%
2000-09-21	6.53	6.53%
2000-09-22	6.48	6.48%
2000-09-25	6.54	6.54%
2000-09-26	6.50	6.50%
2000-09-27	6.50	6.50%
2000-09-28	6.59	6.59%
2000-09-29	6.60	6.60%
2000-10-02	6.68	6.68%
2000-10-03	6.46	6.46%
2000-10-04	6.51	6.51%
2000-10-05	6.54	6.54%
2000-10-06	6.43	6.43%
2000-10-09	#N/A	6.43%
2000-10-10	6.57	6.57%
2000-10-11	6.46	6.46%
2000-10-12	6.47	6.47%

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EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2000-10-13	6.46	6.46%
2000-10-16	6.59	6.59%
2000-10-17	6.45	6.45%
2000-10-18	6.53	6.53%
2000-10-19	6.54	6.54%
2000-10-20	6.50	6.50%
2000-10-23	6.53	6.53%
2000-10-24	6.49	6.49%
2000-10-25	6.53	6.53%
2000-10-26	6.53	6.53%
2000-10-27	6.51	6.51%
2000-10-30	6.59	6.59%
2000-10-31	6.59	6.59%
2000-11-01	6.61	6.61%
2000-11-02	6.54	6.54%
2000-11-03	6.48	6.48%
2000-11-06	6.49	6.49%
2000-11-07	6.48	6.48%
2000-11-08	6.51	6.51%
2000-11-09	6.52	6.52%
2000-11-10	6.48	6.48%
2000-11-13	6.55	6.55%
2000-11-14	6.52	6.52%
2000-11-15	6.61	6.61%
2000-11-16	6.55	6.55%
2000-11-17	6.48	6.48%
2000-11-20	6.52	6.52%
2000-11-21	6.50	6.50%
2000-11-22	6.58	6.58%
2000-11-23	#N/A	6.58%
2000-11-24	6.49	6.49%
2000-11-27	6.50	6.50%
2000-11-28	6.46	6.46%
2000-11-29	6.50	6.50%
2000-11-30	6.62	6.62%
2000-12-01	6.60	6.60%
2000-12-04	6.57	6.57%

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EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2000-12-05	6.51	6.51%
2000-12-06	6.48	6.48%
2000-12-07	6.49	6.49%
2000-12-08	6.47	6.47%
2000-12-11	6.49	6.49%
2000-12-12	6.43	6.43%
2000-12-13	6.47	6.47%
2000-12-14	6.53	6.53%
2000-12-15	6.58	6.58%
2000-12-18	6.50	6.50%
2000-12-19	6.47	6.47%
2000-12-20	6.47	6.47%
2000-12-21	6.48	6.48%
2000-12-22	6.44	6.44%
2000-12-25	#N/A	6.44%
2000-12-26	6.58	6.58%
2000-12-27	6.53	6.53%
2000-12-28	6.53	6.53%
2000-12-29	5.41	5.41%
2001-01-01	#N/A	5.41%
2001-01-02	6.67	6.67%
2001-01-03	6.35	6.35%
2001-01-04	5.92	5.92%
2001-01-05	5.83	5.83%
2001-01-08	5.98	5.98%
2001-01-09	5.95	5.95%
2001-01-10	6.06	6.06%
2001-01-11	6.05	6.05%
2001-01-12	5.98	5.98%
2001-01-15	#N/A	5.98%
2001-01-16	6.20	6.20%
2001-01-17	5.94	5.94%
2001-01-18	5.93	5.93%
2001-01-19	5.92	5.92%
2001-01-22	6.00	6.00%
2001-01-23	5.97	5.97%
2001-01-24	6.05	6.05%

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Federal Reserve Economic Data
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EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2001-01-25	6.10	6.10%
2001-01-26	5.96	5.96%
2001-01-29	5.98	5.98%
2001-01-30	5.90	5.90%
2001-01-31	5.74	5.74%
2001-02-01	5.57	5.57%
2001-02-02	5.50	5.50%
2001-02-05	5.52	5.52%
2001-02-06	5.48	5.48%
2001-02-07	5.50	5.50%
2001-02-08	5.50	5.50%
2001-02-09	5.44	5.44%
2001-02-12	5.48	5.48%
2001-02-13	5.46	5.46%
2001-02-14	5.50	5.50%
2001-02-15	5.57	5.57%
2001-02-16	5.46	5.46%
2001-02-19	#N/A	5.46%
2001-02-20	5.57	5.57%
2001-02-21	5.50	5.50%
2001-02-22	5.52	5.52%
2001-02-23	5.46	5.46%
2001-02-26	5.55	5.55%
2001-02-27	5.49	5.49%
2001-02-28	5.59	5.59%
2001-03-01	5.59	5.59%
2001-03-02	5.52	5.52%
2001-03-05	5.52	5.52%
2001-03-06	5.39	5.39%
2001-03-07	5.34	5.34%
2001-03-08	5.46	5.46%
2001-03-09	5.42	5.42%
2001-03-12	5.50	5.50%
2001-03-13	5.50	5.50%
2001-03-14	5.48	5.48%
2001-03-15	5.52	5.52%
2001-03-16	5.40	5.40%

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Federal Reserve Economic Data
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Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2001-03-19	5.38	5.38%
2001-03-20	5.14	5.14%
2001-03-21	5.05	5.05%
2001-03-22	5.04	5.04%
2001-03-23	4.94	4.94%
2001-03-26	5.03	5.03%
2001-03-27	#N/A	5.03%
2001-03-28	5.05	5.05%
2001-03-29	5.19	5.19%
2001-03-30	5.29	5.29%
2001-04-02	5.30	5.30%
2001-04-03	5.10	5.10%
2001-04-04	5.01	5.01%
2001-04-05	5.04	5.04%
2001-04-06	4.94	4.94%
2001-04-09	4.98	4.98%
2001-04-10	4.96	4.96%
2001-04-11	4.95	4.95%
2001-04-12	5.02	5.02%
2001-04-13	5.01	5.01%
2001-04-16	5.17	5.17%
2001-04-17	4.99	4.99%
2001-04-18	4.67	4.67%
2001-04-19	4.47	4.47%
2001-04-20	4.38	4.38%
2001-04-23	4.40	4.40%
2001-04-24	4.41	4.41%
2001-04-25	4.54	4.54%
2001-04-26	4.57	4.57%
2001-04-27	4.51	4.51%
2001-04-30	4.67	4.67%
2001-05-01	4.61	4.61%
2001-05-02	4.35	4.35%
2001-05-03	4.48	4.48%
2001-05-04	4.41	4.41%
2001-05-07	4.47	4.47%
2001-05-08	4.41	4.41%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2001-05-09	4.43	4.43%
2001-05-10	4.51	4.51%
2001-05-11	4.47	4.47%
2001-05-14	4.43	4.43%
2001-05-15	4.22	4.22%
2001-05-16	4.04	4.04%
2001-05-17	4.04	4.04%
2001-05-18	3.95	3.95%
2001-05-21	4.02	4.02%
2001-05-22	3.99	3.99%
2001-05-23	3.97	3.97%
2001-05-24	3.98	3.98%
2001-05-25	3.94	3.94%
2001-05-28	#N/A	3.94%
2001-05-29	4.09	4.09%
2001-05-30	4.05	4.05%
2001-05-31	4.24	4.24%
2001-06-01	4.14	4.14%
2001-06-04	4.03	4.03%
2001-06-05	3.93	3.93%
2001-06-06	3.91	3.91%
2001-06-07	3.92	3.92%
2001-06-08	4.02	4.02%
2001-06-11	4.03	4.03%
2001-06-12	3.98	3.98%
2001-06-13	4.04	4.04%
2001-06-14	4.03	4.03%
2001-06-15	3.94	3.94%
2001-06-18	3.91	3.91%
2001-06-19	3.91	3.91%
2001-06-20	3.98	3.98%
2001-06-21	4.02	4.02%
2001-06-22	3.98	3.98%
2001-06-25	3.97	3.97%
2001-06-26	3.75	3.75%
2001-06-27	3.68	3.68%
2001-06-28	3.86	3.86%

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Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2001-06-29	3.95	3.95%
2001-07-02	4.11	4.11%
2001-07-03	3.69	3.69%
2001-07-04	#N/A	3.69%
2001-07-05	3.72	3.72%
2001-07-06	3.60	3.60%
2001-07-09	3.67	3.67%
2001-07-10	3.71	3.71%
2001-07-11	3.78	3.78%
2001-07-12	3.78	3.78%
2001-07-13	3.75	3.75%
2001-07-16	3.82	3.82%
2001-07-17	3.71	3.71%
2001-07-18	3.73	3.73%
2001-07-19	3.77	3.77%
2001-07-20	3.80	3.80%
2001-07-23	3.82	3.82%
2001-07-24	3.82	3.82%
2001-07-25	3.89	3.89%
2001-07-26	3.87	3.87%
2001-07-27	3.75	3.75%
2001-07-30	3.79	3.79%
2001-07-31	3.82	3.82%
2001-08-01	3.79	3.79%
2001-08-02	3.68	3.68%
2001-08-03	3.69	3.69%
2001-08-06	3.73	3.73%
2001-08-07	3.69	3.69%
2001-08-08	3.75	3.75%
2001-08-09	3.77	3.77%
2001-08-10	3.70	3.70%
2001-08-13	3.79	3.79%
2001-08-14	3.76	3.76%
2001-08-15	3.83	3.83%
2001-08-16	3.75	3.75%
2001-08-17	3.66	3.66%
2001-08-20	3.64	3.64%

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Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2001-08-21	3.53	3.53%
2001-08-22	3.51	3.51%
2001-08-23	3.55	3.55%
2001-08-24	3.51	3.51%
2001-08-27	3.54	3.54%
2001-08-28	3.50	3.50%
2001-08-29	3.50	3.50%
2001-08-30	3.58	3.58%
2001-08-31	3.66	3.66%
2001-09-03	#N/A	3.66%
2001-09-04	3.67	3.67%
2001-09-05	3.49	3.49%
2001-09-06	3.52	3.52%
2001-09-07	3.44	3.44%
2001-09-10	3.50	3.50%
2001-09-11	3.50	3.50%
2001-09-12	3.56	3.56%
2001-09-13	3.31	3.31%
2001-09-14	3.13	3.13%
2001-09-17	2.13	2.13%
2001-09-18	1.25	1.25%
2001-09-19	1.19	1.19%
2001-09-20	2.22	2.22%
2001-09-21	3.11	3.11%
2001-09-24	3.31	3.31%
2001-09-25	3.11	3.11%
2001-09-26	2.96	2.96%
2001-09-27	3.08	3.08%
2001-09-28	2.75	2.75%
2001-10-01	3.02	3.02%
2001-10-02	2.35	2.35%
2001-10-03	2.27	2.27%
2001-10-04	2.45	2.45%
2001-10-05	2.42	2.42%
2001-10-08	#N/A	2.42%
2001-10-09	2.50	2.50%
2001-10-10	2.42	2.42%

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Federal Reserve Economic Data
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EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2001-10-11	2.42	2.42%
2001-10-12	2.39	2.39%
2001-10-15	2.51	2.51%
2001-10-16	2.47	2.47%
2001-10-17	2.51	2.51%
2001-10-18	2.50	2.50%
2001-10-19	2.47	2.47%
2001-10-22	2.52	2.52%
2001-10-23	2.48	2.48%
2001-10-24	2.53	2.53%
2001-10-25	2.54	2.54%
2001-10-26	2.51	2.51%
2001-10-29	2.55	2.55%
2001-10-30	2.55	2.55%
2001-10-31	2.66	2.66%
2001-11-01	2.61	2.61%
2001-11-02	2.43	2.43%
2001-11-05	2.45	2.45%
2001-11-06	2.13	2.13%
2001-11-07	2.04	2.04%
2001-11-08	2.03	2.03%
2001-11-09	1.98	1.98%
2001-11-12	#N/A	1.98%
2001-11-13	2.10	2.10%
2001-11-14	2.16	2.16%
2001-11-15	2.22	2.22%
2001-11-16	1.98	1.98%
2001-11-19	2.01	2.01%
2001-11-20	1.97	1.97%
2001-11-21	1.93	1.93%
2001-11-22	#N/A	1.93%
2001-11-23	1.88	1.88%
2001-11-26	2.04	2.04%
2001-11-27	2.01	2.01%
2001-11-28	2.04	2.04%
2001-11-29	2.09	2.09%
2001-11-30	2.06	2.06%

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Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2001-12-03	2.05	2.05%
2001-12-04	1.93	1.93%
2001-12-05	1.89	1.89%
2001-12-06	1.87	1.87%
2001-12-07	1.92	1.92%
2001-12-10	1.90	1.90%
2001-12-11	1.80	1.80%
2001-12-12	1.81	1.81%
2001-12-13	1.86	1.86%
2001-12-14	1.88	1.88%
2001-12-17	1.93	1.93%
2001-12-18	1.71	1.71%
2001-12-19	1.71	1.71%
2001-12-20	1.79	1.79%
2001-12-21	1.78	1.78%
2001-12-24	1.68	1.68%
2001-12-25	#N/A	1.68%
2001-12-26	1.89	1.89%
2001-12-27	1.85	1.85%
2001-12-28	1.54	1.54%
2001-12-31	1.52	1.52%
2002-01-01	#N/A	1.52%
2002-01-02	1.92	1.92%
2002-01-03	1.72	1.72%
2002-01-04	1.61	1.61%
2002-01-07	1.61	1.61%
2002-01-08	1.61	1.61%
2002-01-09	1.74	1.74%
2002-01-10	1.81	1.81%
2002-01-11	1.71	1.71%
2002-01-14	1.78	1.78%
2002-01-15	1.75	1.75%
2002-01-16	1.69	1.69%
2002-01-17	1.68	1.68%
2002-01-18	1.71	1.71%
2002-01-21	#N/A	1.71%
2002-01-22	1.84	1.84%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2002-01-23	1.81	1.81%
2002-01-24	1.80	1.80%
2002-01-25	1.78	1.78%
2002-01-28	1.79	1.79%
2002-01-29	1.78	1.78%
2002-01-30	1.78	1.78%
2002-01-31	1.85	1.85%
2002-02-01	1.77	1.77%
2002-02-04	1.74	1.74%
2002-02-05	1.64	1.64%
2002-02-06	1.66	1.66%
2002-02-07	1.74	1.74%
2002-02-08	1.69	1.69%
2002-02-11	1.76	1.76%
2002-02-12	1.72	1.72%
2002-02-13	1.75	1.75%
2002-02-14	1.81	1.81%
2002-02-15	1.73	1.73%
2002-02-18	1.73	1.73%
2002-02-19	1.77	1.77%
2002-02-20	1.76	1.76%
2002-02-21	1.77	1.77%
2002-02-22	1.71	1.71%
2002-02-25	1.80	1.80%
2002-02-26	1.77	1.77%
2002-02-27	1.76	1.76%
2002-02-28	1.83	1.83%
2002-03-01	1.78	1.78%
2002-03-04	1.68	1.68%
2002-03-05	1.63	1.63%
2002-03-06	1.71	1.71%
2002-03-07	1.77	1.77%
2002-03-08	1.69	1.69%
2002-03-11	1.75	1.75%
2002-03-12	1.68	1.68%
2002-03-13	1.73	1.73%
2002-03-14	1.79	1.79%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2002-03-15	1.80	1.80%
2002-03-18	1.71	1.71%
2002-03-19	1.67	1.67%
2002-03-20	1.78	1.78%
2002-03-21	1.74	1.74%
2002-03-22	1.68	1.68%
2002-03-25	1.75	1.75%
2002-03-26	1.71	1.71%
2002-03-27	1.69	1.69%
2002-03-28	1.77	1.77%
2002-03-29	1.74	1.74%
2002-04-01	1.88	1.88%
2002-04-02	1.74	1.74%
2002-04-03	1.81	1.81%
2002-04-04	1.74	1.74%
2002-04-05	1.70	1.70%
2002-04-08	1.72	1.72%
2002-04-09	1.68	1.68%
2002-04-10	1.73	1.73%
2002-04-11	1.83	1.83%
2002-04-12	1.79	1.79%
2002-04-15	1.84	1.84%
2002-04-16	1.68	1.68%
2002-04-17	1.73	1.73%
2002-04-18	1.71	1.71%
2002-04-19	1.67	1.67%
2002-04-22	1.73	1.73%
2002-04-23	1.71	1.71%
2002-04-24	1.76	1.76%
2002-04-25	1.82	1.82%
2002-04-26	1.79	1.79%
2002-04-29	1.81	1.81%
2002-04-30	1.82	1.82%
2002-05-01	1.88	1.88%
2002-05-02	1.79	1.79%
2002-05-03	1.73	1.73%
2002-05-06	1.75	1.75%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2002-05-07	1.72	1.72%
2002-05-08	1.71	1.71%
2002-05-09	1.74	1.74%
2002-05-10	1.74	1.74%
2002-05-13	1.75	1.75%
2002-05-14	1.69	1.69%
2002-05-15	1.84	1.84%
2002-05-16	1.76	1.76%
2002-05-17	1.70	1.70%
2002-05-20	1.72	1.72%
2002-05-21	1.68	1.68%
2002-05-22	1.73	1.73%
2002-05-23	1.76	1.76%
2002-05-24	1.75	1.75%
2002-05-27	#N/A	1.75%
2002-05-28	1.88	1.88%
2002-05-29	1.79	1.79%
2002-05-30	1.80	1.80%
2002-05-31	1.79	1.79%
2002-06-03	1.83	1.83%
2002-06-04	1.73	1.73%
2002-06-05	1.70	1.70%
2002-06-06	1.75	1.75%
2002-06-07	1.73	1.73%
2002-06-10	1.76	1.76%
2002-06-11	1.72	1.72%
2002-06-12	1.75	1.75%
2002-06-13	1.76	1.76%
2002-06-14	1.75	1.75%
2002-06-17	1.82	1.82%
2002-06-18	1.71	1.71%
2002-06-19	1.69	1.69%
2002-06-20	1.75	1.75%
2002-06-21	1.74	1.74%
2002-06-24	1.77	1.77%
2002-06-25	1.75	1.75%
2002-06-26	1.78	1.78%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2002-06-27	1.81	1.81%
2002-06-28	1.73	1.73%
2002-07-01	1.83	1.83%
2002-07-02	1.72	1.72%
2002-07-03	1.71	1.71%
2002-07-04	#N/A	1.71%
2002-07-05	1.72	1.72%
2002-07-08	1.75	1.75%
2002-07-09	1.72	1.72%
2002-07-10	1.74	1.74%
2002-07-11	1.76	1.76%
2002-07-12	1.71	1.71%
2002-07-15	1.83	1.83%
2002-07-16	1.72	1.72%
2002-07-17	1.71	1.71%
2002-07-18	1.74	1.74%
2002-07-19	1.72	1.72%
2002-07-22	1.77	1.77%
2002-07-23	1.73	1.73%
2002-07-24	1.67	1.67%
2002-07-25	1.75	1.75%
2002-07-26	1.69	1.69%
2002-07-29	1.75	1.75%
2002-07-30	1.71	1.71%
2002-07-31	1.76	1.76%
2002-08-01	1.79	1.79%
2002-08-02	1.72	1.72%
2002-08-05	1.77	1.77%
2002-08-06	1.74	1.74%
2002-08-07	1.71	1.71%
2002-08-08	1.71	1.71%
2002-08-09	1.68	1.68%
2002-08-12	1.76	1.76%
2002-08-13	1.74	1.74%
2002-08-14	1.78	1.78%
2002-08-15	1.87	1.87%
2002-08-16	1.70	1.70%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2002-08-19	1.72	1.72%
2002-08-20	1.70	1.70%
2002-08-21	1.72	1.72%
2002-08-22	1.73	1.73%
2002-08-23	1.72	1.72%
2002-08-26	1.81	1.81%
2002-08-27	1.79	1.79%
2002-08-28	1.80	1.80%
2002-08-29	1.82	1.82%
2002-08-30	1.81	1.81%
2002-09-02	#N/A	1.81%
2002-09-03	1.87	1.87%
2002-09-04	1.74	1.74%
2002-09-05	1.75	1.75%
2002-09-06	1.71	1.71%
2002-09-09	1.76	1.76%
2002-09-10	1.74	1.74%
2002-09-11	1.72	1.72%
2002-09-12	1.74	1.74%
2002-09-13	1.72	1.72%
2002-09-16	1.83	1.83%
2002-09-17	1.72	1.72%
2002-09-18	1.68	1.68%
2002-09-19	1.69	1.69%
2002-09-20	1.70	1.70%
2002-09-23	1.74	1.74%
2002-09-24	1.75	1.75%
2002-09-25	1.79	1.79%
2002-09-26	1.80	1.80%
2002-09-27	1.78	1.78%
2002-09-30	1.85	1.85%
2002-10-01	1.85	1.85%
2002-10-02	1.75	1.75%
2002-10-03	1.76	1.76%
2002-10-04	1.72	1.72%
2002-10-07	1.74	1.74%
2002-10-08	1.72	1.72%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2002-10-09	1.73	1.73%
2002-10-10	1.75	1.75%
2002-10-11	1.73	1.73%
2002-10-14	#N/A	1.73%
2002-10-15	1.88	1.88%
2002-10-16	1.73	1.73%
2002-10-17	1.74	1.74%
2002-10-18	1.71	1.71%
2002-10-21	1.73	1.73%
2002-10-22	1.71	1.71%
2002-10-23	1.76	1.76%
2002-10-24	1.80	1.80%
2002-10-25	1.82	1.82%
2002-10-28	1.79	1.79%
2002-10-29	1.75	1.75%
2002-10-30	1.72	1.72%
2002-10-31	1.82	1.82%
2002-11-01	1.74	1.74%
2002-11-04	1.71	1.71%
2002-11-05	1.64	1.64%
2002-11-06	1.48	1.48%
2002-11-07	1.27	1.27%
2002-11-08	1.18	1.18%
2002-11-11	#N/A	1.18%
2002-11-12	1.29	1.29%
2002-11-13	1.17	1.17%
2002-11-14	1.29	1.29%
2002-11-15	1.35	1.35%
2002-11-18	1.21	1.21%
2002-11-19	1.20	1.20%
2002-11-20	1.23	1.23%
2002-11-21	1.27	1.27%
2002-11-22	1.25	1.25%
2002-11-25	1.32	1.32%
2002-11-26	1.26	1.26%
2002-11-27	1.27	1.27%
2002-11-28	#N/A	1.27%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2002-11-29	1.23	1.23%
2002-12-02	1.27	1.27%
2002-12-03	1.24	1.24%
2002-12-04	1.23	1.23%
2002-12-05	1.24	1.24%
2002-12-06	1.21	1.21%
2002-12-09	1.22	1.22%
2002-12-10	1.22	1.22%
2002-12-11	1.29	1.29%
2002-12-12	1.29	1.29%
2002-12-13	1.25	1.25%
2002-12-16	1.36	1.36%
2002-12-17	1.26	1.26%
2002-12-18	1.25	1.25%
2002-12-19	1.28	1.28%
2002-12-20	1.26	1.26%
2002-12-23	1.28	1.28%
2002-12-24	1.15	1.15%
2002-12-25	#N/A	1.15%
2002-12-26	1.28	1.28%
2002-12-27	1.20	1.20%
2002-12-30	1.23	1.23%
2002-12-31	1.16	1.16%
2003-01-01	#N/A	1.16%
2003-01-02	1.30	1.30%
2003-01-03	1.12	1.12%
2003-01-06	1.22	1.22%
2003-01-07	1.20	1.20%
2003-01-08	1.29	1.29%
2003-01-09	1.29	1.29%
2003-01-10	1.25	1.25%
2003-01-13	1.26	1.26%
2003-01-14	1.24	1.24%
2003-01-15	1.30	1.30%
2003-01-16	1.24	1.24%
2003-01-17	1.20	1.20%
2003-01-20	#N/A	1.20%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2003-01-21	1.31	1.31%
2003-01-22	1.26	1.26%
2003-01-23	1.27	1.27%
2003-01-24	1.21	1.21%
2003-01-27	1.30	1.30%
2003-01-28	1.23	1.23%
2003-01-29	1.26	1.26%
2003-01-30	1.29	1.29%
2003-01-31	1.33	1.33%
2003-02-03	1.30	1.30%
2003-02-04	1.21	1.21%
2003-02-05	1.21	1.21%
2003-02-06	1.23	1.23%
2003-02-07	1.21	1.21%
2003-02-10	1.25	1.25%
2003-02-11	1.22	1.22%
2003-02-12	1.23	1.23%
2003-02-13	1.28	1.28%
2003-02-14	1.30	1.30%
2003-02-17	#N/A	1.30%
2003-02-18	1.35	1.35%
2003-02-19	1.24	1.24%
2003-02-20	1.25	1.25%
2003-02-21	1.21	1.21%
2003-02-24	1.25	1.25%
2003-02-25	1.28	1.28%
2003-02-26	1.28	1.28%
2003-02-27	1.31	1.31%
2003-02-28	1.33	1.33%
2003-03-03	1.33	1.33%
2003-03-04	1.20	1.20%
2003-03-05	1.22	1.22%
2003-03-06	1.23	1.23%
2003-03-07	1.20	1.20%
2003-03-10	1.23	1.23%
2003-03-11	1.21	1.21%
2003-03-12	1.23	1.23%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2003-03-13	1.31	1.31%
2003-03-14	1.30	1.30%
2003-03-17	1.31	1.31%
2003-03-18	1.20	1.20%
2003-03-19	1.20	1.20%
2003-03-20	1.23	1.23%
2003-03-21	1.20	1.20%
2003-03-24	1.23	1.23%
2003-03-25	1.24	1.24%
2003-03-26	1.26	1.26%
2003-03-27	1.29	1.29%
2003-03-28	1.26	1.26%
2003-03-31	1.38	1.38%
2003-04-01	1.29	1.29%
2003-04-02	1.19	1.19%
2003-04-03	1.24	1.24%
2003-04-04	1.22	1.22%
2003-04-07	1.25	1.25%
2003-04-08	1.22	1.22%
2003-04-09	1.24	1.24%
2003-04-10	1.27	1.27%
2003-04-11	1.24	1.24%
2003-04-14	1.32	1.32%
2003-04-15	1.34	1.34%
2003-04-16	1.26	1.26%
2003-04-17	1.28	1.28%
2003-04-18	1.24	1.24%
2003-04-21	1.29	1.29%
2003-04-22	1.26	1.26%
2003-04-23	1.24	1.24%
2003-04-24	1.24	1.24%
2003-04-25	1.28	1.28%
2003-04-28	1.29	1.29%
2003-04-29	1.27	1.27%
2003-04-30	1.31	1.31%
2003-05-01	1.30	1.30%
2003-05-02	1.24	1.24%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2003-05-05	1.27	1.27%
2003-05-06	1.28	1.28%
2003-05-07	1.28	1.28%
2003-05-08	1.27	1.27%
2003-05-09	1.24	1.24%
2003-05-12	1.25	1.25%
2003-05-13	1.23	1.23%
2003-05-14	1.30	1.30%
2003-05-15	1.36	1.36%
2003-05-16	1.26	1.26%
2003-05-19	1.26	1.26%
2003-05-20	1.23	1.23%
2003-05-21	1.23	1.23%
2003-05-22	1.25	1.25%
2003-05-23	1.21	1.21%
2003-05-26	#N/A	1.21%
2003-05-27	1.32	1.32%
2003-05-28	1.29	1.29%
2003-05-29	1.29	1.29%
2003-05-30	1.28	1.28%
2003-06-02	1.27	1.27%
2003-06-03	1.21	1.21%
2003-06-04	1.22	1.22%
2003-06-05	1.26	1.26%
2003-06-06	1.24	1.24%
2003-06-09	1.25	1.25%
2003-06-10	1.22	1.22%
2003-06-11	1.25	1.25%
2003-06-12	1.25	1.25%
2003-06-13	1.24	1.24%
2003-06-16	1.33	1.33%
2003-06-17	1.24	1.24%
2003-06-18	1.22	1.22%
2003-06-19	1.22	1.22%
2003-06-20	1.23	1.23%
2003-06-23	1.21	1.21%
2003-06-24	1.15	1.15%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2003-06-25	1.18	1.18%
2003-06-26	1.10	1.10%
2003-06-27	1.08	1.08%
2003-06-30	1.45	1.45%
2003-07-01	1.11	1.11%
2003-07-02	1.01	1.01%
2003-07-03	0.96	0.96%
2003-07-04	#N/A	0.96%
2003-07-07	1.00	1.00%
2003-07-08	0.93	0.93%
2003-07-09	0.96	0.96%
2003-07-10	1.00	1.00%
2003-07-11	0.98	0.98%
2003-07-14	1.07	1.07%
2003-07-15	1.13	1.13%
2003-07-16	1.01	1.01%
2003-07-17	1.02	1.02%
2003-07-18	0.99	0.99%
2003-07-21	1.02	1.02%
2003-07-22	1.00	1.00%
2003-07-23	1.05	1.05%
2003-07-24	1.04	1.04%
2003-07-25	1.03	1.03%
2003-07-28	1.05	1.05%
2003-07-29	1.04	1.04%
2003-07-30	1.03	1.03%
2003-07-31	1.04	1.04%
2003-08-01	1.00	1.00%
2003-08-04	1.00	1.00%
2003-08-05	0.86	0.86%
2003-08-06	0.88	0.88%
2003-08-07	0.95	0.95%
2003-08-08	0.96	0.96%
2003-08-11	1.02	1.02%
2003-08-12	0.99	0.99%
2003-08-13	1.01	1.01%
2003-08-14	1.22	1.22%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2003-08-15	1.39	1.39%
2003-08-18	1.03	1.03%
2003-08-19	0.93	0.93%
2003-08-20	0.89	0.89%
2003-08-21	1.01	1.01%
2003-08-22	0.99	0.99%
2003-08-25	1.04	1.04%
2003-08-26	1.00	1.00%
2003-08-27	0.98	0.98%
2003-08-28	1.04	1.04%
2003-08-29	1.01	1.01%
2003-09-01	#N/A	1.01%
2003-09-02	1.06	1.06%
2003-09-03	0.96	0.96%
2003-09-04	0.98	0.98%
2003-09-05	0.96	0.96%
2003-09-08	0.99	0.99%
2003-09-09	0.95	0.95%
2003-09-10	0.95	0.95%
2003-09-11	1.00	1.00%
2003-09-12	1.02	1.02%
2003-09-15	1.11	1.11%
2003-09-16	0.97	0.97%
2003-09-17	0.97	0.97%
2003-09-18	1.00	1.00%
2003-09-19	0.99	0.99%
2003-09-22	1.02	1.02%
2003-09-23	1.01	1.01%
2003-09-24	1.03	1.03%
2003-09-25	1.08	1.08%
2003-09-26	1.03	1.03%
2003-09-29	1.04	1.04%
2003-09-30	1.17	1.17%
2003-10-01	1.11	1.11%
2003-10-02	1.02	1.02%
2003-10-03	0.99	0.99%
2003-10-06	0.99	0.99%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2003-10-07	0.98	0.98%
2003-10-08	0.99	0.99%
2003-10-09	1.02	1.02%
2003-10-10	#N/A	1.02%
2003-10-13	#N/A	#N/A
2003-10-14	1.08	1.08%
2003-10-15	1.09	1.09%
2003-10-16	1.04	1.04%
2003-10-17	0.98	0.98%
2003-10-20	1.02	1.02%
2003-10-21	0.99	0.99%
2003-10-22	0.99	0.99%
2003-10-23	1.02	1.02%
2003-10-24	1.01	1.01%
2003-10-27	1.03	1.03%
2003-10-28	0.98	0.98%
2003-10-29	0.97	0.97%
2003-10-30	#N/A	0.97%
2003-10-31	#N/A	#N/A
2003-11-03	1.02	1.02%
2003-11-04	0.98	0.98%
2003-11-05	0.98	0.98%
2003-11-06	1.00	1.00%
2003-11-07	0.98	0.98%
2003-11-10	0.99	0.99%
2003-11-11	#N/A	0.99%
2003-11-12	1.00	1.00%
2003-11-13	0.99	0.99%
2003-11-14	0.98	0.98%
2003-11-17	1.04	1.04%
2003-11-18	0.98	0.98%
2003-11-19	0.98	0.98%
2003-11-20	1.00	1.00%
2003-11-21	0.98	0.98%
2003-11-24	0.98	0.98%
2003-11-25	1.02	1.02%
2003-11-26	1.01	1.01%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2003-11-27	#N/A	1.01%
2003-11-28	1.01	1.01%
2003-12-01	1.03	1.03%
2003-12-02	0.97	0.97%
2003-12-03	0.98	0.98%
2003-12-04	0.99	0.99%
2003-12-05	0.98	0.98%
2003-12-08	0.99	0.99%
2003-12-09	0.97	0.97%
2003-12-10	0.99	0.99%
2003-12-11	0.99	0.99%
2003-12-12	0.99	0.99%
2003-12-15	1.04	1.04%
2003-12-16	0.99	0.99%
2003-12-17	0.99	0.99%
2003-12-18	1.01	1.01%
2003-12-19	0.98	0.98%
2003-12-22	1.02	1.02%
2003-12-23	1.00	1.00%
2003-12-24	0.97	0.97%
2003-12-25	#N/A	0.97%
2003-12-26	0.97	0.97%
2003-12-29	0.98	0.98%
2003-12-30	0.93	0.93%
2003-12-31	0.94	0.94%
2004-01-01	#N/A	0.94%
2004-01-02	1.01	1.01%
2004-01-05	0.97	0.97%
2004-01-06	0.92	0.92%
2004-01-07	0.94	0.94%
2004-01-08	0.99	0.99%
2004-01-09	0.99	0.99%
2004-01-12	1.00	1.00%
2004-01-13	0.99	0.99%
2004-01-14	1.01	1.01%
2004-01-15	1.04	1.04%
2004-01-16	0.98	0.98%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2004-01-19	#N/A	0.98%
2004-01-20	1.02	1.02%
2004-01-21	1.00	1.00%
2004-01-22	1.02	1.02%
2004-01-23	1.00	1.00%
2004-01-26	1.08	1.08%
2004-01-27	1.02	1.02%
2004-01-28	0.99	0.99%
2004-01-29	1.00	1.00%
2004-01-30	1.03	1.03%
2004-02-02	1.01	1.01%
2004-02-03	0.97	0.97%
2004-02-04	1.00	1.00%
2004-02-05	1.01	1.01%
2004-02-06	0.99	0.99%
2004-02-09	1.01	1.01%
2004-02-10	1.00	1.00%
2004-02-11	1.00	1.00%
2004-02-12	1.02	1.02%
2004-02-13	1.01	1.01%
2004-02-16	#N/A	1.01%
2004-02-17	1.02	1.02%
2004-02-18	1.00	1.00%
2004-02-19	1.00	1.00%
2004-02-20	0.99	0.99%
2004-02-23	1.00	1.00%
2004-02-24	0.99	0.99%
2004-02-25	1.02	1.02%
2004-02-26	1.03	1.03%
2004-02-27	1.04	1.04%
2004-03-01	1.04	1.04%
2004-03-02	1.00	1.00%
2004-03-03	1.00	1.00%
2004-03-04	0.99	0.99%
2004-03-05	1.00	1.00%
2004-03-08	1.00	1.00%
2004-03-09	0.99	0.99%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2004-03-10	1.00	1.00%
2004-03-11	1.01	1.01%
2004-03-12	0.99	0.99%
2004-03-15	1.05	1.05%
2004-03-16	0.99	0.99%
2004-03-17	1.00	1.00%
2004-03-18	1.00	1.00%
2004-03-19	0.99	0.99%
2004-03-22	1.01	1.01%
2004-03-23	0.99	0.99%
2004-03-24	0.99	0.99%
2004-03-25	1.02	1.02%
2004-03-26	1.00	1.00%
2004-03-29	1.00	1.00%
2004-03-30	0.98	0.98%
2004-03-31	1.05	1.05%
2004-04-01	1.03	1.03%
2004-04-02	1.00	1.00%
2004-04-05	1.01	1.01%
2004-04-06	1.00	1.00%
2004-04-07	1.00	1.00%
2004-04-08	1.02	1.02%
2004-04-09	1.01	1.01%
2004-04-12	1.00	1.00%
2004-04-13	1.00	1.00%
2004-04-14	1.01	1.01%
2004-04-15	1.03	1.03%
2004-04-16	0.99	0.99%
2004-04-19	1.00	1.00%
2004-04-20	0.99	0.99%
2004-04-21	0.99	0.99%
2004-04-22	1.00	1.00%
2004-04-23	0.99	0.99%
2004-04-26	1.01	1.01%
2004-04-27	0.99	0.99%
2004-04-28	1.01	1.01%
2004-04-29	1.03	1.03%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2004-04-30	1.03	1.03%
2004-05-03	1.03	1.03%
2004-05-04	1.00	1.00%
2004-05-05	0.99	0.99%
2004-05-06	1.00	1.00%
2004-05-07	0.99	0.99%
2004-05-10	1.00	1.00%
2004-05-11	0.96	0.96%
2004-05-12	0.98	0.98%
2004-05-13	1.00	1.00%
2004-05-14	1.02	1.02%
2004-05-17	1.05	1.05%
2004-05-18	1.00	1.00%
2004-05-19	1.00	1.00%
2004-05-20	1.00	1.00%
2004-05-21	0.99	0.99%
2004-05-24	1.00	1.00%
2004-05-25	1.00	1.00%
2004-05-26	0.99	0.99%
2004-05-27	1.00	1.00%
2004-05-28	1.02	1.02%
2004-05-31	#N/A	1.02%
2004-06-01	1.02	1.02%
2004-06-02	0.98	0.98%
2004-06-03	0.99	0.99%
2004-06-04	0.99	0.99%
2004-06-07	0.99	0.99%
2004-06-08	0.97	0.97%
2004-06-09	0.99	0.99%
2004-06-10	1.00	1.00%
2004-06-11	1.00	1.00%
2004-06-14	1.02	1.02%
2004-06-15	1.03	1.03%
2004-06-16	1.00	1.00%
2004-06-17	1.01	1.01%
2004-06-18	1.00	1.00%
2004-06-21	1.00	1.00%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2004-06-22	1.00	1.00%
2004-06-23	1.02	1.02%
2004-06-24	1.03	1.03%
2004-06-25	1.05	1.05%
2004-06-28	1.09	1.09%
2004-06-29	1.13	1.13%
2004-06-30	1.38	1.38%
2004-07-01	1.40	1.40%
2004-07-02	1.25	1.25%
2004-07-05	#N/A	1.25%
2004-07-06	1.30	1.30%
2004-07-07	1.26	1.26%
2004-07-08	1.26	1.26%
2004-07-09	1.24	1.24%
2004-07-12	1.26	1.26%
2004-07-13	1.24	1.24%
2004-07-14	1.24	1.24%
2004-07-15	1.30	1.30%
2004-07-16	1.24	1.24%
2004-07-19	1.25	1.25%
2004-07-20	1.25	1.25%
2004-07-21	1.25	1.25%
2004-07-22	1.26	1.26%
2004-07-23	1.25	1.25%
2004-07-26	1.27	1.27%
2004-07-27	1.27	1.27%
2004-07-28	1.29	1.29%
2004-07-29	1.30	1.30%
2004-07-30	1.29	1.29%
2004-08-02	1.28	1.28%
2004-08-03	1.24	1.24%
2004-08-04	1.22	1.22%
2004-08-05	1.30	1.30%
2004-08-06	1.32	1.32%
2004-08-09	1.35	1.35%
2004-08-10	1.43	1.43%
2004-08-11	1.50	1.50%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2004-08-12	1.51	1.51%
2004-08-13	1.48	1.48%
2004-08-16	1.43	1.43%
2004-08-17	1.20	1.20%
2004-08-18	1.39	1.39%
2004-08-19	1.50	1.50%
2004-08-20	1.50	1.50%
2004-08-23	1.51	1.51%
2004-08-24	1.51	1.51%
2004-08-25	1.55	1.55%
2004-08-26	1.55	1.55%
2004-08-27	1.52	1.52%
2004-08-30	1.54	1.54%
2004-08-31	1.55	1.55%
2004-09-01	1.53	1.53%
2004-09-02	1.51	1.51%
2004-09-03	1.48	1.48%
2004-09-06	#N/A	1.48%
2004-09-07	1.54	1.54%
2004-09-08	1.51	1.51%
2004-09-09	1.49	1.49%
2004-09-10	1.48	1.48%
2004-09-13	1.51	1.51%
2004-09-14	1.40	1.40%
2004-09-15	1.57	1.57%
2004-09-16	1.61	1.61%
2004-09-17	1.58	1.58%
2004-09-20	1.64	1.64%
2004-09-21	1.70	1.70%
2004-09-22	1.78	1.78%
2004-09-23	1.80	1.80%
2004-09-24	1.76	1.76%
2004-09-27	1.76	1.76%
2004-09-28	1.72	1.72%
2004-09-29	1.76	1.76%
2004-09-30	1.94	1.94%
2004-10-01	1.86	1.86%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2004-10-04	1.77	1.77%
2004-10-05	1.73	1.73%
2004-10-06	1.74	1.74%
2004-10-07	1.76	1.76%
2004-10-08	1.71	1.71%
2004-10-11	#N/A	1.71%
2004-10-12	1.78	1.78%
2004-10-13	1.73	1.73%
2004-10-14	1.77	1.77%
2004-10-15	1.79	1.79%
2004-10-18	1.73	1.73%
2004-10-19	1.72	1.72%
2004-10-20	1.74	1.74%
2004-10-21	1.76	1.76%
2004-10-22	1.72	1.72%
2004-10-25	1.76	1.76%
2004-10-26	1.72	1.72%
2004-10-27	1.77	1.77%
2004-10-28	1.79	1.79%
2004-10-29	1.79	1.79%
2004-11-01	1.83	1.83%
2004-11-02	1.74	1.74%
2004-11-03	1.73	1.73%
2004-11-04	1.77	1.77%
2004-11-05	1.76	1.76%
2004-11-08	1.80	1.80%
2004-11-09	1.79	1.79%
2004-11-10	1.92	1.92%
2004-11-11	#N/A	1.92%
2004-11-12	2.02	2.02%
2004-11-15	2.06	2.06%
2004-11-16	1.98	1.98%
2004-11-17	1.99	1.99%
2004-11-18	1.99	1.99%
2004-11-19	1.99	1.99%
2004-11-22	2.01	2.01%
2004-11-23	2.00	2.00%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2004-11-24	2.02	2.02%
2004-11-25	#N/A	2.02%
2004-11-26	2.01	2.01%
2004-11-29	2.03	2.03%
2004-11-30	2.02	2.02%
2004-12-01	2.04	2.04%
2004-12-02	2.00	2.00%
2004-12-03	1.98	1.98%
2004-12-06	2.04	2.04%
2004-12-07	1.99	1.99%
2004-12-08	2.01	2.01%
2004-12-09	2.05	2.05%
2004-12-10	2.09	2.09%
2004-12-13	2.18	2.18%
2004-12-14	2.24	2.24%
2004-12-15	2.31	2.31%
2004-12-16	2.26	2.26%
2004-12-17	2.23	2.23%
2004-12-20	2.26	2.26%
2004-12-21	2.24	2.24%
2004-12-22	2.25	2.25%
2004-12-23	2.34	2.34%
2004-12-24	2.27	2.27%
2004-12-27	2.24	2.24%
2004-12-28	2.24	2.24%
2004-12-29	2.23	2.23%
2004-12-30	2.24	2.24%
2004-12-31	1.97	1.97%
2005-01-03	2.31	2.31%
2005-01-04	2.25	2.25%
2005-01-05	2.25	2.25%
2005-01-06	2.25	2.25%
2005-01-07	2.24	2.24%
2005-01-10	2.26	2.26%
2005-01-11	2.24	2.24%
2005-01-12	2.25	2.25%
2005-01-13	2.29	2.29%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2005-01-14	2.29	2.29%
2005-01-17	#N/A	2.29%
2005-01-18	2.31	2.31%
2005-01-19	2.19	2.19%
2005-01-20	2.25	2.25%
2005-01-21	2.26	2.26%
2005-01-24	2.26	2.26%
2005-01-25	2.29	2.29%
2005-01-26	2.33	2.33%
2005-01-27	2.39	2.39%
2005-01-28	2.48	2.48%
2005-01-31	2.50	2.50%
2005-02-01	2.40	2.40%
2005-02-02	2.29	2.29%
2005-02-03	2.49	2.49%
2005-02-04	2.51	2.51%
2005-02-07	2.50	2.50%
2005-02-08	2.48	2.48%
2005-02-09	2.50	2.50%
2005-02-10	2.51	2.51%
2005-02-11	2.50	2.50%
2005-02-14	2.51	2.51%
2005-02-15	2.53	2.53%
2005-02-16	2.48	2.48%
2005-02-17	2.50	2.50%
2005-02-18	2.51	2.51%
2005-02-21	#N/A	2.51%
2005-02-22	2.57	2.57%
2005-02-23	2.53	2.53%
2005-02-24	2.55	2.55%
2005-02-25	2.54	2.54%
2005-02-28	2.52	2.52%
2005-03-01	2.39	2.39%
2005-03-02	2.48	2.48%
2005-03-03	2.51	2.51%
2005-03-04	2.50	2.50%
2005-03-07	2.51	2.51%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2005-03-08	2.49	2.49%
2005-03-09	2.50	2.50%
2005-03-10	2.52	2.52%
2005-03-11	2.51	2.51%
2005-03-14	2.59	2.59%
2005-03-15	2.61	2.61%
2005-03-16	2.57	2.57%
2005-03-17	2.68	2.68%
2005-03-18	2.70	2.70%
2005-03-21	2.71	2.71%
2005-03-22	2.72	2.72%
2005-03-23	2.73	2.73%
2005-03-24	2.75	2.75%
2005-03-25	2.80	2.80%
2005-03-28	2.79	2.79%
2005-03-29	2.72	2.72%
2005-03-30	2.74	2.74%
2005-03-31	2.96	2.96%
2005-04-01	2.83	2.83%
2005-04-04	2.78	2.78%
2005-04-05	2.72	2.72%
2005-04-06	2.73	2.73%
2005-04-07	2.76	2.76%
2005-04-08	2.75	2.75%
2005-04-11	2.78	2.78%
2005-04-12	2.77	2.77%
2005-04-13	2.76	2.76%
2005-04-14	2.79	2.79%
2005-04-15	2.82	2.82%
2005-04-18	2.75	2.75%
2005-04-19	2.74	2.74%
2005-04-20	2.74	2.74%
2005-04-21	2.75	2.75%
2005-04-22	2.74	2.74%
2005-04-25	2.82	2.82%
2005-04-26	2.78	2.78%
2005-04-27	2.63	2.63%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2005-04-28	2.89	2.89%
2005-04-29	2.97	2.97%
2005-05-02	2.98	2.98%
2005-05-03	2.95	2.95%
2005-05-04	2.99	2.99%
2005-05-05	2.99	2.99%
2005-05-06	2.98	2.98%
2005-05-09	2.99	2.99%
2005-05-10	2.99	2.99%
2005-05-11	2.99	2.99%
2005-05-12	3.01	3.01%
2005-05-13	3.01	3.01%
2005-05-16	3.06	3.06%
2005-05-17	2.99	2.99%
2005-05-18	3.00	3.00%
2005-05-19	3.02	3.02%
2005-05-20	3.01	3.01%
2005-05-23	3.01	3.01%
2005-05-24	2.99	2.99%
2005-05-25	3.01	3.01%
2005-05-26	3.01	3.01%
2005-05-27	3.01	3.01%
2005-05-30	#N/A	3.01%
2005-05-31	3.09	3.09%
2005-06-01	3.02	3.02%
2005-06-02	3.00	3.00%
2005-06-03	2.99	2.99%
2005-06-06	3.00	3.00%
2005-06-07	2.96	2.96%
2005-06-08	2.96	2.96%
2005-06-09	3.01	3.01%
2005-06-10	3.01	3.01%
2005-06-13	3.04	3.04%
2005-06-14	3.01	3.01%
2005-06-15	3.05	3.05%
2005-06-16	3.00	3.00%
2005-06-17	2.99	2.99%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2005-06-20	3.01	3.01%
2005-06-21	2.96	2.96%
2005-06-22	2.93	2.93%
2005-06-23	3.05	3.05%
2005-06-24	3.07	3.07%
2005-06-27	3.17	3.17%
2005-06-28	3.17	3.17%
2005-06-29	3.20	3.20%
2005-06-30	3.35	3.35%
2005-07-01	3.36	3.36%
2005-07-04	#N/A	3.36%
2005-07-05	3.27	3.27%
2005-07-06	2.99	2.99%
2005-07-07	3.18	3.18%
2005-07-08	3.22	3.22%
2005-07-11	3.23	3.23%
2005-07-12	3.23	3.23%
2005-07-13	3.27	3.27%
2005-07-14	3.32	3.32%
2005-07-15	3.32	3.32%
2005-07-18	3.19	3.19%
2005-07-19	3.13	3.13%
2005-07-20	3.25	3.25%
2005-07-21	3.27	3.27%
2005-07-22	3.25	3.25%
2005-07-25	3.28	3.28%
2005-07-26	3.25	3.25%
2005-07-27	3.27	3.27%
2005-07-28	3.27	3.27%
2005-07-29	3.31	3.31%
2005-08-01	3.30	3.30%
2005-08-02	3.20	3.20%
2005-08-03	3.35	3.35%
2005-08-04	3.44	3.44%
2005-08-05	3.49	3.49%
2005-08-08	3.50	3.50%
2005-08-09	3.47	3.47%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2005-08-10	3.48	3.48%
2005-08-11	3.51	3.51%
2005-08-12	3.55	3.55%
2005-08-15	3.61	3.61%
2005-08-16	3.46	3.46%
2005-08-17	3.57	3.57%
2005-08-18	3.50	3.50%
2005-08-19	3.54	3.54%
2005-08-22	3.51	3.51%
2005-08-23	3.49	3.49%
2005-08-24	3.50	3.50%
2005-08-25	3.55	3.55%
2005-08-26	3.54	3.54%
2005-08-29	3.54	3.54%
2005-08-30	3.52	3.52%
2005-08-31	3.63	3.63%
2005-09-01	3.57	3.57%
2005-09-02	3.49	3.49%
2005-09-05	#N/A	3.49%
2005-09-06	3.57	3.57%
2005-09-07	3.48	3.48%
2005-09-08	3.49	3.49%
2005-09-09	3.49	3.49%
2005-09-12	3.50	3.50%
2005-09-13	3.45	3.45%
2005-09-14	3.54	3.54%
2005-09-15	3.67	3.67%
2005-09-16	3.62	3.62%
2005-09-19	3.62	3.62%
2005-09-20	3.67	3.67%
2005-09-21	3.72	3.72%
2005-09-22	3.77	3.77%
2005-09-23	3.76	3.76%
2005-09-26	3.83	3.83%
2005-09-27	3.73	3.73%
2005-09-28	3.76	3.76%
2005-09-29	3.82	3.82%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2005-09-30	3.93	3.93%
2005-10-03	3.87	3.87%
2005-10-04	3.75	3.75%
2005-10-05	3.75	3.75%
2005-10-06	3.76	3.76%
2005-10-07	3.73	3.73%
2005-10-10	#N/A	3.73%
2005-10-11	3.72	3.72%
2005-10-12	3.36	3.36%
2005-10-13	3.75	3.75%
2005-10-14	3.77	3.77%
2005-10-17	3.82	3.82%
2005-10-18	3.71	3.71%
2005-10-19	3.71	3.71%
2005-10-20	3.77	3.77%
2005-10-21	3.76	3.76%
2005-10-24	3.76	3.76%
2005-10-25	3.74	3.74%
2005-10-26	3.75	3.75%
2005-10-27	3.85	3.85%
2005-10-28	3.90	3.90%
2005-10-31	4.02	4.02%
2005-11-01	3.99	3.99%
2005-11-02	3.99	3.99%
2005-11-03	4.01	4.01%
2005-11-04	4.00	4.00%
2005-11-07	3.99	3.99%
2005-11-08	3.95	3.95%
2005-11-09	4.02	4.02%
2005-11-10	3.98	3.98%
2005-11-11	#N/A	3.98%
2005-11-14	4.03	4.03%
2005-11-15	3.97	3.97%
2005-11-16	3.96	3.96%
2005-11-17	3.98	3.98%
2005-11-18	4.00	4.00%
2005-11-21	4.03	4.03%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2005-11-22	3.99	3.99%
2005-11-23	4.01	4.01%
2005-11-24	#N/A	4.01%
2005-11-25	4.03	4.03%
2005-11-28	4.01	4.01%
2005-11-29	3.99	3.99%
2005-11-30	4.03	4.03%
2005-12-01	4.03	4.03%
2005-12-02	4.00	4.00%
2005-12-05	4.02	4.02%
2005-12-06	3.97	3.97%
2005-12-07	3.98	3.98%
2005-12-08	4.09	4.09%
2005-12-09	4.16	4.16%
2005-12-12	4.24	4.24%
2005-12-13	4.23	4.23%
2005-12-14	4.26	4.26%
2005-12-15	4.29	4.29%
2005-12-16	4.25	4.25%
2005-12-19	4.25	4.25%
2005-12-20	4.30	4.30%
2005-12-21	4.08	4.08%
2005-12-22	4.25	4.25%
2005-12-23	4.21	4.21%
2005-12-26	#N/A	4.21%
2005-12-27	4.26	4.26%
2005-12-28	4.19	4.19%
2005-12-29	4.18	4.18%
2005-12-30	4.09	4.09%
2006-01-02	#N/A	4.09%
2006-01-03	4.34	4.34%
2006-01-04	4.22	4.22%
2006-01-05	4.24	4.24%
2006-01-06	4.22	4.22%
2006-01-09	4.25	4.25%
2006-01-10	4.24	4.24%
2006-01-11	4.24	4.24%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2006-01-12	4.28	4.28%
2006-01-13	4.30	4.30%
2006-01-16	#N/A	4.30%
2006-01-17	4.32	4.32%
2006-01-18	4.24	4.24%
2006-01-19	4.23	4.23%
2006-01-20	4.24	4.24%
2006-01-23	4.26	4.26%
2006-01-24	4.28	4.28%
2006-01-25	4.36	4.36%
2006-01-26	4.37	4.37%
2006-01-27	4.42	4.42%
2006-01-30	4.48	4.48%
2006-01-31	4.47	4.47%
2006-02-01	4.47	4.47%
2006-02-02	4.48	4.48%
2006-02-03	4.51	4.51%
2006-02-06	4.51	4.51%
2006-02-07	4.47	4.47%
2006-02-08	4.48	4.48%
2006-02-09	4.52	4.52%
2006-02-10	4.51	4.51%
2006-02-13	4.44	4.44%
2006-02-14	4.45	4.45%
2006-02-15	4.50	4.50%
2006-02-16	4.48	4.48%
2006-02-17	4.48	4.48%
2006-02-20	#N/A	4.48%
2006-02-21	4.54	4.54%
2006-02-22	4.49	4.49%
2006-02-23	4.47	4.47%
2006-02-24	4.48	4.48%
2006-02-27	4.52	4.52%
2006-02-28	4.52	4.52%
2006-03-01	4.52	4.52%
2006-03-02	4.50	4.50%
2006-03-03	4.51	4.51%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2006-03-06	4.51	4.51%
2006-03-07	4.51	4.51%
2006-03-08	4.51	4.51%
2006-03-09	4.51	4.51%
2006-03-10	4.51	4.51%
2006-03-13	4.52	4.52%
2006-03-14	4.51	4.51%
2006-03-15	4.47	4.47%
2006-03-16	4.55	4.55%
2006-03-17	4.60	4.60%
2006-03-20	4.55	4.55%
2006-03-21	4.54	4.54%
2006-03-22	4.58	4.58%
2006-03-23	4.64	4.64%
2006-03-24	4.69	4.69%
2006-03-27	4.77	4.77%
2006-03-28	4.70	4.70%
2006-03-29	4.69	4.69%
2006-03-30	4.76	4.76%
2006-03-31	5.00	5.00%
2006-04-03	4.87	4.87%
2006-04-04	4.76	4.76%
2006-04-05	4.76	4.76%
2006-04-06	4.76	4.76%
2006-04-07	4.76	4.76%
2006-04-10	4.78	4.78%
2006-04-11	4.74	4.74%
2006-04-12	4.78	4.78%
2006-04-13	4.82	4.82%
2006-04-14	4.80	4.80%
2006-04-17	4.78	4.78%
2006-04-18	4.72	4.72%
2006-04-19	4.70	4.70%
2006-04-20	4.73	4.73%
2006-04-21	4.74	4.74%
2006-04-24	4.77	4.77%
2006-04-25	4.74	4.74%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2006-04-26	4.73	4.73%
2006-04-27	4.79	4.79%
2006-04-28	4.86	4.86%
2006-05-01	4.84	4.84%
2006-05-02	4.79	4.79%
2006-05-03	4.81	4.81%
2006-05-04	4.83	4.83%
2006-05-05	4.83	4.83%
2006-05-08	4.88	4.88%
2006-05-09	4.78	4.78%
2006-05-10	4.88	4.88%
2006-05-11	4.99	4.99%
2006-05-12	5.01	5.01%
2006-05-15	5.01	5.01%
2006-05-16	4.98	4.98%
2006-05-17	4.96	4.96%
2006-05-18	5.00	5.00%
2006-05-19	5.00	5.00%
2006-05-22	5.00	5.00%
2006-05-23	4.94	4.94%
2006-05-24	4.90	4.90%
2006-05-25	5.01	5.01%
2006-05-26	4.99	4.99%
2006-05-29	#N/A	4.99%
2006-05-30	5.02	5.02%
2006-05-31	5.05	5.05%
2006-06-01	5.02	5.02%
2006-06-02	4.97	4.97%
2006-06-05	5.01	5.01%
2006-06-06	4.99	4.99%
2006-06-07	4.99	4.99%
2006-06-08	5.02	5.02%
2006-06-09	5.00	5.00%
2006-06-12	5.01	5.01%
2006-06-13	5.00	5.00%
2006-06-14	5.00	5.00%
2006-06-15	5.02	5.02%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2006-06-16	4.94	4.94%
2006-06-19	4.95	4.95%
2006-06-20	4.92	4.92%
2006-06-21	4.91	4.91%
2006-06-22	4.98	4.98%
2006-06-23	4.98	4.98%
2006-06-26	5.03	5.03%
2006-06-27	5.02	5.02%
2006-06-28	5.06	5.06%
2006-06-29	5.08	5.08%
2006-06-30	5.05	5.05%
2006-07-03	5.25	5.25%
2006-07-04	#N/A	5.25%
2006-07-05	5.25	5.25%
2006-07-06	5.24	5.24%
2006-07-07	5.22	5.22%
2006-07-10	5.24	5.24%
2006-07-11	5.25	5.25%
2006-07-12	5.27	5.27%
2006-07-13	5.26	5.26%
2006-07-14	5.26	5.26%
2006-07-17	5.28	5.28%
2006-07-18	5.22	5.22%
2006-07-19	5.23	5.23%
2006-07-20	5.24	5.24%
2006-07-21	5.23	5.23%
2006-07-24	5.24	5.24%
2006-07-25	5.24	5.24%
2006-07-26	5.24	5.24%
2006-07-27	5.27	5.27%
2006-07-28	5.26	5.26%
2006-07-31	5.31	5.31%
2006-08-01	5.27	5.27%
2006-08-02	5.25	5.25%
2006-08-03	5.27	5.27%
2006-08-04	5.25	5.25%
2006-08-07	5.24	5.24%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2006-08-08	5.26	5.26%
2006-08-09	5.25	5.25%
2006-08-10	5.24	5.24%
2006-08-11	5.24	5.24%
2006-08-14	5.26	5.26%
2006-08-15	5.24	5.24%
2006-08-16	5.17	5.17%
2006-08-17	5.20	5.20%
2006-08-18	5.25	5.25%
2006-08-21	5.24	5.24%
2006-08-22	5.24	5.24%
2006-08-23	5.25	5.25%
2006-08-24	5.25	5.25%
2006-08-25	5.25	5.25%
2006-08-28	5.25	5.25%
2006-08-29	5.23	5.23%
2006-08-30	5.25	5.25%
2006-08-31	5.31	5.31%
2006-09-01	5.25	5.25%
2006-09-04	#N/A	5.25%
2006-09-05	5.26	5.26%
2006-09-06	5.21	5.21%
2006-09-07	5.23	5.23%
2006-09-08	5.23	5.23%
2006-09-11	5.24	5.24%
2006-09-12	5.21	5.21%
2006-09-13	5.26	5.26%
2006-09-14	5.26	5.26%
2006-09-15	5.25	5.25%
2006-09-18	5.23	5.23%
2006-09-19	5.21	5.21%
2006-09-20	5.23	5.23%
2006-09-21	5.24	5.24%
2006-09-22	5.27	5.27%
2006-09-25	5.30	5.30%
2006-09-26	5.25	5.25%
2006-09-27	5.30	5.30%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2006-09-28	5.28	5.28%
2006-09-29	5.34	5.34%
2006-10-02	5.33	5.33%
2006-10-03	5.25	5.25%
2006-10-04	5.23	5.23%
2006-10-05	5.23	5.23%
2006-10-06	5.22	5.22%
2006-10-09	#N/A	5.22%
2006-10-10	5.28	5.28%
2006-10-11	5.25	5.25%
2006-10-12	5.25	5.25%
2006-10-13	5.21	5.21%
2006-10-16	5.28	5.28%
2006-10-17	5.21	5.21%
2006-10-18	5.23	5.23%
2006-10-19	5.22	5.22%
2006-10-20	5.25	5.25%
2006-10-23	5.24	5.24%
2006-10-24	5.24	5.24%
2006-10-25	5.26	5.26%
2006-10-26	5.23	5.23%
2006-10-27	5.23	5.23%
2006-10-30	5.27	5.27%
2006-10-31	5.31	5.31%
2006-11-01	5.23	5.23%
2006-11-02	5.22	5.22%
2006-11-03	5.25	5.25%
2006-11-06	#N/A	5.25%
2006-11-07	5.22	5.22%
2006-11-08	5.22	5.22%
2006-11-09	5.23	5.23%
2006-11-10	5.23	5.23%
2006-11-13	5.27	5.27%
2006-11-14	#N/A	5.27%
2006-11-15	5.29	5.29%
2006-11-16	5.25	5.25%
2006-11-17	5.20	5.20%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2006-11-20	5.25	5.25%
2006-11-21	5.29	5.29%
2006-11-22	5.26	5.26%
2006-11-23	#N/A	5.26%
2006-11-24	5.24	5.24%
2006-11-27	5.32	5.32%
2006-11-28	5.24	5.24%
2006-11-29	5.26	5.26%
2006-11-30	5.31	5.31%
2006-12-01	5.27	5.27%
2006-12-04	5.22	5.22%
2006-12-05	5.21	5.21%
2006-12-06	5.22	5.22%
2006-12-07	5.25	5.25%
2006-12-08	5.25	5.25%
2006-12-11	5.25	5.25%
2006-12-12	5.23	5.23%
2006-12-13	5.23	5.23%
2006-12-14	5.29	5.29%
2006-12-15	5.27	5.27%
2006-12-18	5.21	5.21%
2006-12-19	5.21	5.21%
2006-12-20	5.26	5.26%
2006-12-21	5.25	5.25%
2006-12-22	5.24	5.24%
2006-12-25	#N/A	5.24%
2006-12-26	5.29	5.29%
2006-12-27	5.17	5.17%
2006-12-28	5.25	5.25%
2006-12-29	5.17	5.17%
2007-01-01	#N/A	5.17%
2007-01-02	5.30	5.30%
2007-01-03	5.28	5.28%
2007-01-04	5.24	5.24%
2007-01-05	5.21	5.21%
2007-01-08	5.23	5.23%
2007-01-09	5.25	5.25%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2007-01-10	5.26	5.26%
2007-01-11	5.27	5.27%
2007-01-12	5.22	5.22%
2007-01-15	#N/A	5.22%
2007-01-16	5.28	5.28%
2007-01-17	5.25	5.25%
2007-01-18	5.23	5.23%
2007-01-19	5.25	5.25%
2007-01-22	5.24	5.24%
2007-01-23	5.26	5.26%
2007-01-24	5.27	5.27%
2007-01-25	5.31	5.31%
2007-01-26	5.26	5.26%
2007-01-29	5.26	5.26%
2007-01-30	5.23	5.23%
2007-01-31	5.33	5.33%
2007-02-01	5.29	5.29%
2007-02-02	5.24	5.24%
2007-02-05	5.25	5.25%
2007-02-06	5.24	5.24%
2007-02-07	5.23	5.23%
2007-02-08	5.25	5.25%
2007-02-09	5.25	5.25%
2007-02-12	5.28	5.28%
2007-02-13	5.26	5.26%
2007-02-14	5.27	5.27%
2007-02-15	5.29	5.29%
2007-02-16	5.24	5.24%
2007-02-19	#N/A	5.24%
2007-02-20	5.27	5.27%
2007-02-21	5.23	5.23%
2007-02-22	5.26	5.26%
2007-02-23	5.24	5.24%
2007-02-26	5.30	5.30%
2007-02-27	5.27	5.27%
2007-02-28	5.41	5.41%
2007-03-01	5.31	5.31%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2007-03-02	5.23	5.23%
2007-03-05	5.27	5.27%
2007-03-06	5.22	5.22%
2007-03-07	5.24	5.24%
2007-03-08	5.24	5.24%
2007-03-09	5.24	5.24%
2007-03-12	5.25	5.25%
2007-03-13	5.25	5.25%
2007-03-14	5.27	5.27%
2007-03-15	5.29	5.29%
2007-03-16	5.25	5.25%
2007-03-19	5.26	5.26%
2007-03-20	5.26	5.26%
2007-03-21	5.26	5.26%
2007-03-22	5.27	5.27%
2007-03-23	5.24	5.24%
2007-03-26	5.28	5.28%
2007-03-27	5.25	5.25%
2007-03-28	5.27	5.27%
2007-03-29	5.29	5.29%
2007-03-30	5.30	5.30%
2007-04-02	5.25	5.25%
2007-04-03	5.20	5.20%
2007-04-04	5.21	5.21%
2007-04-05	5.30	5.30%
2007-04-06	5.30	5.30%
2007-04-09	5.28	5.28%
2007-04-10	5.26	5.26%
2007-04-11	5.24	5.24%
2007-04-12	5.27	5.27%
2007-04-13	5.25	5.25%
2007-04-16	5.29	5.29%
2007-04-17	5.20	5.20%
2007-04-18	5.19	5.19%
2007-04-19	5.23	5.23%
2007-04-20	5.25	5.25%
2007-04-23	5.23	5.23%

FRED Graph Observations
Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2007-04-24	5.20	5.20%
2007-04-25	5.19	5.19%
2007-04-26	5.24	5.24%
2007-04-27	5.24	5.24%
2007-04-30	5.29	5.29%
2007-05-01	5.26	5.26%
2007-05-02	5.21	5.21%
2007-05-03	5.24	5.24%
2007-05-04	5.24	5.24%
2007-05-07	5.24	5.24%
2007-05-08	5.21	5.21%
2007-05-09	5.21	5.21%
2007-05-10	5.25	5.25%
2007-05-11	5.27	5.27%
2007-05-14	5.26	5.26%
2007-05-15	5.29	5.29%
2007-05-16	5.25	5.25%
2007-05-17	5.25	5.25%
2007-05-18	5.24	5.24%
2007-05-21	5.24	5.24%
2007-05-22	5.23	5.23%
2007-05-23	5.25	5.25%
2007-05-24	5.24	5.24%
2007-05-25	5.29	5.29%
2007-05-28	#N/A	5.29%
2007-05-29	5.29	5.29%
2007-05-30	5.25	5.25%
2007-05-31	5.28	5.28%
2007-06-01	5.23	5.23%
2007-06-04	5.24	5.24%
2007-06-05	5.19	5.19%
2007-06-06	5.25	5.25%
2007-06-07	5.25	5.25%
2007-06-08	5.26	5.26%
2007-06-11	5.27	5.27%
2007-06-12	5.26	5.26%
2007-06-13	5.26	5.26%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2007-06-14	5.28	5.28%
2007-06-15	5.26	5.26%
2007-06-18	5.23	5.23%
2007-06-19	5.21	5.21%
2007-06-20	5.27	5.27%
2007-06-21	5.26	5.26%
2007-06-22	5.24	5.24%
2007-06-25	5.29	5.29%
2007-06-26	5.25	5.25%
2007-06-27	5.26	5.26%
2007-06-28	5.26	5.26%
2007-06-29	5.31	5.31%
2007-07-02	5.31	5.31%
2007-07-03	5.24	5.24%
2007-07-04	#N/A	5.24%
2007-07-05	5.25	5.25%
2007-07-06	5.22	5.22%
2007-07-09	5.22	5.22%
2007-07-10	5.24	5.24%
2007-07-11	5.24	5.24%
2007-07-12	5.26	5.26%
2007-07-13	5.25	5.25%
2007-07-16	5.32	5.32%
2007-07-17	5.28	5.28%
2007-07-18	5.26	5.26%
2007-07-19	5.25	5.25%
2007-07-20	5.25	5.25%
2007-07-23	5.26	5.26%
2007-07-24	5.25	5.25%
2007-07-25	5.32	5.32%
2007-07-26	5.28	5.28%
2007-07-27	5.25	5.25%
2007-07-30	5.29	5.29%
2007-07-31	5.28	5.28%
2007-08-01	5.30	5.30%
2007-08-02	5.24	5.24%
2007-08-03	5.24	5.24%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2007-08-06	5.26	5.26%
2007-08-07	5.26	5.26%
2007-08-08	5.27	5.27%
2007-08-09	5.41	5.41%
2007-08-10	4.68	4.68%
2007-08-13	4.81	4.81%
2007-08-14	4.54	4.54%
2007-08-15	4.71	4.71%
2007-08-16	4.97	4.97%
2007-08-17	4.91	4.91%
2007-08-20	5.03	5.03%
2007-08-21	4.89	4.89%
2007-08-22	4.77	4.77%
2007-08-23	4.88	4.88%
2007-08-24	5.11	5.11%
2007-08-27	5.27	5.27%
2007-08-28	5.30	5.30%
2007-08-29	5.00	5.00%
2007-08-30	5.00	5.00%
2007-08-31	4.96	4.96%
2007-09-03	#N/A	4.96%
2007-09-04	5.22	5.22%
2007-09-05	5.18	5.18%
2007-09-06	4.98	4.98%
2007-09-07	4.86	4.86%
2007-09-10	5.07	5.07%
2007-09-11	5.06	5.06%
2007-09-12	5.18	5.18%
2007-09-13	5.09	5.09%
2007-09-14	5.25	5.25%
2007-09-17	5.33	5.33%
2007-09-18	4.92	4.92%
2007-09-19	4.74	4.74%
2007-09-20	4.77	4.77%
2007-09-21	4.76	4.76%
2007-09-24	4.74	4.74%
2007-09-25	4.82	4.82%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2007-09-26	4.88	4.88%
2007-09-27	4.93	4.93%
2007-09-28	4.58	4.58%
2007-10-01	4.92	4.92%
2007-10-02	4.78	4.78%
2007-10-03	4.68	4.68%
2007-10-04	4.74	4.74%
2007-10-05	4.77	4.77%
2007-10-08	#N/A	4.77%
2007-10-09	4.91	4.91%
2007-10-10	4.52	4.52%
2007-10-11	4.75	4.75%
2007-10-12	4.75	4.75%
2007-10-15	4.81	4.81%
2007-10-16	4.68	4.68%
2007-10-17	4.70	4.70%
2007-10-18	4.69	4.69%
2007-10-19	4.77	4.77%
2007-10-22	4.71	4.71%
2007-10-23	4.67	4.67%
2007-10-24	4.74	4.74%
2007-10-25	4.86	4.86%
2007-10-26	4.80	4.80%
2007-10-29	4.84	4.84%
2007-10-30	4.78	4.78%
2007-10-31	4.60	4.60%
2007-11-01	4.59	4.59%
2007-11-02	4.28	4.28%
2007-11-05	4.29	4.29%
2007-11-06	4.22	4.22%
2007-11-07	4.39	4.39%
2007-11-08	4.58	4.58%
2007-11-09	4.49	4.49%
2007-11-12	#N/A	4.49%
2007-11-13	4.61	4.61%
2007-11-14	4.60	4.60%
2007-11-15	4.54	4.54%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2007-11-16	4.51	4.51%
2007-11-19	4.51	4.51%
2007-11-20	4.51	4.51%
2007-11-21	4.50	4.50%
2007-11-22	#N/A	4.50%
2007-11-23	4.56	4.56%
2007-11-26	4.62	4.62%
2007-11-27	4.39	4.39%
2007-11-28	4.53	4.53%
2007-11-29	4.55	4.55%
2007-11-30	4.66	4.66%
2007-12-03	4.52	4.52%
2007-12-04	4.50	4.50%
2007-12-05	4.31	4.31%
2007-12-06	4.49	4.49%
2007-12-07	4.41	4.41%
2007-12-10	4.46	4.46%
2007-12-11	4.29	4.29%
2007-12-12	4.28	4.28%
2007-12-13	4.30	4.30%
2007-12-14	4.24	4.24%
2007-12-17	4.31	4.31%
2007-12-18	4.16	4.16%
2007-12-19	3.98	3.98%
2007-12-20	4.37	4.37%
2007-12-21	4.28	4.28%
2007-12-24	4.00	4.00%
2007-12-25	#N/A	4.00%
2007-12-26	4.26	4.26%
2007-12-27	4.15	4.15%
2007-12-28	4.01	4.01%
2007-12-31	3.06	3.06%
2008-01-01	#N/A	3.06%
2008-01-02	4.11	4.11%
2008-01-03	4.25	4.25%
2008-01-04	4.18	4.18%
2008-01-07	4.27	4.27%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2008-01-08	4.27	4.27%
2008-01-09	4.26	4.26%
2008-01-10	4.26	4.26%
2008-01-11	4.23	4.23%
2008-01-14	4.24	4.24%
2008-01-15	4.24	4.24%
2008-01-16	4.22	4.22%
2008-01-17	4.23	4.23%
2008-01-18	4.17	4.17%
2008-01-21	#N/A	4.17%
2008-01-22	3.68	3.68%
2008-01-23	3.43	3.43%
2008-01-24	3.47	3.47%
2008-01-25	3.60	3.60%
2008-01-28	3.50	3.50%
2008-01-29	3.47	3.47%
2008-01-30	3.26	3.26%
2008-01-31	3.22	3.22%
2008-02-01	3.12	3.12%
2008-02-04	2.82	2.82%
2008-02-05	2.71	2.71%
2008-02-06	2.94	2.94%
2008-02-07	3.03	3.03%
2008-02-08	3.05	3.05%
2008-02-11	2.88	2.88%
2008-02-12	2.91	2.91%
2008-02-13	3.02	3.02%
2008-02-14	3.03	3.03%
2008-02-15	2.97	2.97%
2008-02-18	#N/A	2.97%
2008-02-19	2.94	2.94%
2008-02-20	3.00	3.00%
2008-02-21	3.01	3.01%
2008-02-22	2.97	2.97%
2008-02-25	3.00	3.00%
2008-02-26	2.85	2.85%
2008-02-27	2.93	2.93%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2008-02-28	3.06	3.06%
2008-02-29	3.01	3.01%
2008-03-03	3.10	3.10%
2008-03-04	2.90	2.90%
2008-03-05	2.93	2.93%
2008-03-06	2.99	2.99%
2008-03-07	2.96	2.96%
2008-03-10	2.99	2.99%
2008-03-11	2.95	2.95%
2008-03-12	2.97	2.97%
2008-03-13	2.98	2.98%
2008-03-14	2.99	2.99%
2008-03-17	2.69	2.69%
2008-03-18	2.16	2.16%
2008-03-19	2.08	2.08%
2008-03-20	2.22	2.22%
2008-03-21	2.08	2.08%
2008-03-24	2.08	2.08%
2008-03-25	2.42	2.42%
2008-03-26	2.30	2.30%
2008-03-27	2.27	2.27%
2008-03-28	2.09	2.09%
2008-03-31	2.51	2.51%
2008-04-01	2.38	2.38%
2008-04-02	2.18	2.18%
2008-04-03	2.19	2.19%
2008-04-04	2.26	2.26%
2008-04-07	2.24	2.24%
2008-04-08	2.23	2.23%
2008-04-09	2.20	2.20%
2008-04-10	2.30	2.30%
2008-04-11	2.37	2.37%
2008-04-14	2.32	2.32%
2008-04-15	2.32	2.32%
2008-04-16	2.35	2.35%
2008-04-17	2.37	2.37%
2008-04-18	2.32	2.32%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2008-04-21	2.28	2.28%
2008-04-22	1.99	1.99%
2008-04-23	2.18	2.18%
2008-04-24	2.26	2.26%
2008-04-25	2.28	2.28%
2008-04-28	2.29	2.29%
2008-04-29	2.21	2.21%
2008-04-30	2.37	2.37%
2008-05-01	2.16	2.16%
2008-05-02	1.88	1.88%
2008-05-05	1.85	1.85%
2008-05-06	1.91	1.91%
2008-05-07	2.01	2.01%
2008-05-08	1.99	1.99%
2008-05-09	1.97	1.97%
2008-05-12	1.88	1.88%
2008-05-13	1.93	1.93%
2008-05-14	2.03	2.03%
2008-05-15	2.03	2.03%
2008-05-16	1.91	1.91%
2008-05-19	1.95	1.95%
2008-05-20	1.99	1.99%
2008-05-21	2.03	2.03%
2008-05-22	2.05	2.05%
2008-05-23	1.99	1.99%
2008-05-26	#N/A	1.99%
2008-05-27	2.23	2.23%
2008-05-28	2.08	2.08%
2008-05-29	2.01	2.01%
2008-05-30	1.98	1.98%
2008-06-02	2.06	2.06%
2008-06-03	1.95	1.95%
2008-06-04	1.98	1.98%
2008-06-05	1.98	1.98%
2008-06-06	2.01	2.01%
2008-06-09	2.02	2.02%
2008-06-10	1.96	1.96%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2008-06-11	1.95	1.95%
2008-06-12	2.01	2.01%
2008-06-13	2.02	2.02%
2008-06-16	2.06	2.06%
2008-06-17	1.87	1.87%
2008-06-18	1.84	1.84%
2008-06-19	1.94	1.94%
2008-06-20	1.99	1.99%
2008-06-23	1.98	1.98%
2008-06-24	1.93	1.93%
2008-06-25	1.97	1.97%
2008-06-26	2.05	2.05%
2008-06-27	1.99	1.99%
2008-06-30	2.47	2.47%
2008-07-01	2.11	2.11%
2008-07-02	1.95	1.95%
2008-07-03	1.92	1.92%
2008-07-04	#N/A	1.92%
2008-07-07	1.99	1.99%
2008-07-08	1.97	1.97%
2008-07-09	1.99	1.99%
2008-07-10	2.01	2.01%
2008-07-11	1.97	1.97%
2008-07-14	2.06	2.06%
2008-07-15	2.16	2.16%
2008-07-16	1.95	1.95%
2008-07-17	2.03	2.03%
2008-07-18	1.96	1.96%
2008-07-21	1.98	1.98%
2008-07-22	1.97	1.97%
2008-07-23	2.04	2.04%
2008-07-24	2.06	2.06%
2008-07-25	2.13	2.13%
2008-07-28	2.00	2.00%
2008-07-29	2.05	2.05%
2008-07-30	2.03	2.03%
2008-07-31	2.09	2.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2008-08-01	2.04	2.04%
2008-08-04	1.97	1.97%
2008-08-05	1.97	1.97%
2008-08-06	2.01	2.01%
2008-08-07	1.96	1.96%
2008-08-08	2.01	2.01%
2008-08-11	1.99	1.99%
2008-08-12	1.95	1.95%
2008-08-13	1.98	1.98%
2008-08-14	2.09	2.09%
2008-08-15	2.08	2.08%
2008-08-18	1.91	1.91%
2008-08-19	1.94	1.94%
2008-08-20	1.98	1.98%
2008-08-21	2.01	2.01%
2008-08-22	2.02	2.02%
2008-08-25	2.01	2.01%
2008-08-26	1.88	1.88%
2008-08-27	1.98	1.98%
2008-08-28	1.99	1.99%
2008-08-29	1.94	1.94%
2008-09-01	#N/A	1.94%
2008-09-02	1.96	1.96%
2008-09-03	2.01	2.01%
2008-09-04	1.99	1.99%
2008-09-05	1.97	1.97%
2008-09-08	1.92	1.92%
2008-09-09	1.96	1.96%
2008-09-10	2.12	2.12%
2008-09-11	2.00	2.00%
2008-09-12	2.10	2.10%
2008-09-15	2.64	2.64%
2008-09-16	1.98	1.98%
2008-09-17	2.80	2.80%
2008-09-18	2.16	2.16%
2008-09-19	1.48	1.48%
2008-09-22	1.51	1.51%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2008-09-23	1.46	1.46%
2008-09-24	1.19	1.19%
2008-09-25	1.23	1.23%
2008-09-26	1.08	1.08%
2008-09-29	1.56	1.56%
2008-09-30	2.03	2.03%
2008-10-01	1.15	1.15%
2008-10-02	0.67	0.67%
2008-10-03	1.10	1.10%
2008-10-06	1.96	1.96%
2008-10-07	2.97	2.97%
2008-10-08	2.24	2.24%
2008-10-09	1.40	1.40%
2008-10-10	0.79	0.79%
2008-10-13	#N/A	0.79%
2008-10-14	1.10	1.10%
2008-10-15	1.04	1.04%
2008-10-16	0.83	0.83%
2008-10-17	0.60	0.60%
2008-10-20	0.70	0.70%
2008-10-21	0.67	0.67%
2008-10-22	0.81	0.81%
2008-10-23	0.93	0.93%
2008-10-24	0.95	0.95%
2008-10-27	0.92	0.92%
2008-10-28	0.67	0.67%
2008-10-29	0.36	0.36%
2008-10-30	0.30	0.30%
2008-10-31	0.22	0.22%
2008-11-03	0.23	0.23%
2008-11-04	0.23	0.23%
2008-11-05	0.23	0.23%
2008-11-06	0.23	0.23%
2008-11-07	0.27	0.27%
2008-11-10	0.29	0.29%
2008-11-11	#N/A	0.29%
2008-11-12	0.35	0.35%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2008-11-13	0.35	0.35%
2008-11-14	0.34	0.34%
2008-11-17	0.37	0.37%
2008-11-18	0.38	0.38%
2008-11-19	0.38	0.38%
2008-11-20	0.49	0.49%
2008-11-21	0.57	0.57%
2008-11-24	0.62	0.62%
2008-11-25	0.59	0.59%
2008-11-26	0.53	0.53%
2008-11-27	#N/A	0.53%
2008-11-28	0.52	0.52%
2008-12-01	0.52	0.52%
2008-12-02	0.47	0.47%
2008-12-03	0.36	0.36%
2008-12-04	0.20	0.20%
2008-12-05	0.12	0.12%
2008-12-08	0.12	0.12%
2008-12-09	0.13	0.13%
2008-12-10	0.11	0.11%
2008-12-11	0.14	0.14%
2008-12-12	0.15	0.15%
2008-12-15	0.18	0.18%
2008-12-16	0.17	0.17%
2008-12-17	0.12	0.12%
2008-12-18	0.11	0.11%
2008-12-19	0.11	0.11%
2008-12-22	0.11	0.11%
2008-12-23	0.11	0.11%
2008-12-24	0.11	0.11%
2008-12-25	#N/A	0.11%
2008-12-26	0.09	0.09%
2008-12-29	0.10	0.10%
2008-12-30	0.09	0.09%
2008-12-31	0.14	0.14%
2009-01-01	#N/A	0.14%
2009-01-02	0.08	0.08%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2009-01-05	0.11	0.11%
2009-01-06	0.09	0.09%
2009-01-07	0.11	0.11%
2009-01-08	0.10	0.10%
2009-01-09	0.09	0.09%
2009-01-12	0.10	0.10%
2009-01-13	0.10	0.10%
2009-01-14	0.15	0.15%
2009-01-15	0.18	0.18%
2009-01-16	0.19	0.19%
2009-01-19	#N/A	0.19%
2009-01-20	0.20	0.20%
2009-01-21	0.23	0.23%
2009-01-22	0.21	0.21%
2009-01-23	0.18	0.18%
2009-01-26	0.19	0.19%
2009-01-27	0.18	0.18%
2009-01-28	0.19	0.19%
2009-01-29	0.23	0.23%
2009-01-30	0.23	0.23%
2009-02-02	0.24	0.24%
2009-02-03	0.24	0.24%
2009-02-04	0.24	0.24%
2009-02-05	0.23	0.23%
2009-02-06	0.23	0.23%
2009-02-09	0.22	0.22%
2009-02-10	0.24	0.24%
2009-02-11	0.22	0.22%
2009-02-12	0.23	0.23%
2009-02-13	0.22	0.22%
2009-02-16	#N/A	0.22%
2009-02-17	0.25	0.25%
2009-02-18	0.23	0.23%
2009-02-19	0.21	0.21%
2009-02-20	0.20	0.20%
2009-02-23	0.19	0.19%
2009-02-24	0.21	0.21%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2009-02-25	0.21	0.21%
2009-02-26	0.22	0.22%
2009-02-27	0.22	0.22%
2009-03-02	0.22	0.22%
2009-03-03	0.20	0.20%
2009-03-04	0.21	0.21%
2009-03-05	0.20	0.20%
2009-03-06	0.20	0.20%
2009-03-09	0.20	0.20%
2009-03-10	0.20	0.20%
2009-03-11	0.19	0.19%
2009-03-12	0.18	0.18%
2009-03-13	0.15	0.15%
2009-03-16	0.20	0.20%
2009-03-17	0.20	0.20%
2009-03-18	0.18	0.18%
2009-03-19	0.17	0.17%
2009-03-20	0.18	0.18%
2009-03-23	0.17	0.17%
2009-03-24	0.17	0.17%
2009-03-25	0.17	0.17%
2009-03-26	0.16	0.16%
2009-03-27	0.15	0.15%
2009-03-30	0.16	0.16%
2009-03-31	0.16	0.16%
2009-04-01	0.16	0.16%
2009-04-02	0.16	0.16%
2009-04-03	0.13	0.13%
2009-04-06	0.14	0.14%
2009-04-07	0.14	0.14%
2009-04-08	0.14	0.14%
2009-04-09	0.14	0.14%
2009-04-10	0.15	0.15%
2009-04-13	0.13	0.13%
2009-04-14	0.16	0.16%
2009-04-15	0.16	0.16%
2009-04-16	0.15	0.15%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2009-04-17	0.13	0.13%
2009-04-20	0.14	0.14%
2009-04-21	0.15	0.15%
2009-04-22	0.15	0.15%
2009-04-23	0.17	0.17%
2009-04-24	0.16	0.16%
2009-04-27	0.17	0.17%
2009-04-28	0.16	0.16%
2009-04-29	0.18	0.18%
2009-04-30	0.20	0.20%
2009-05-01	0.22	0.22%
2009-05-04	0.22	0.22%
2009-05-05	0.20	0.20%
2009-05-06	0.18	0.18%
2009-05-07	0.18	0.18%
2009-05-08	0.17	0.17%
2009-05-11	0.17	0.17%
2009-05-12	0.16	0.16%
2009-05-13	0.16	0.16%
2009-05-14	0.16	0.16%
2009-05-15	0.17	0.17%
2009-05-18	0.16	0.16%
2009-05-19	0.15	0.15%
2009-05-20	0.14	0.14%
2009-05-21	0.17	0.17%
2009-05-22	0.17	0.17%
2009-05-25	#N/A	0.17%
2009-05-26	0.18	0.18%
2009-05-27	0.17	0.17%
2009-05-28	0.17	0.17%
2009-05-29	0.19	0.19%
2009-06-01	0.21	0.21%
2009-06-02	0.20	0.20%
2009-06-03	0.21	0.21%
2009-06-04	0.20	0.20%
2009-06-05	0.21	0.21%
2009-06-08	0.21	0.21%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2009-06-09	0.18	0.18%
2009-06-10	0.18	0.18%
2009-06-11	0.17	0.17%
2009-06-12	0.17	0.17%
2009-06-15	0.22	0.22%
2009-06-16	0.22	0.22%
2009-06-17	0.24	0.24%
2009-06-18	0.25	0.25%
2009-06-19	0.25	0.25%
2009-06-22	0.24	0.24%
2009-06-23	0.24	0.24%
2009-06-24	0.21	0.21%
2009-06-25	0.19	0.19%
2009-06-26	0.18	0.18%
2009-06-29	0.17	0.17%
2009-06-30	0.22	0.22%
2009-07-01	0.20	0.20%
2009-07-02	0.17	0.17%
2009-07-03	0.16	0.16%
2009-07-06	0.18	0.18%
2009-07-07	0.18	0.18%
2009-07-08	0.16	0.16%
2009-07-09	0.15	0.15%
2009-07-10	0.15	0.15%
2009-07-13	0.13	0.13%
2009-07-14	0.13	0.13%
2009-07-15	0.14	0.14%
2009-07-16	0.15	0.15%
2009-07-17	0.15	0.15%
2009-07-20	0.15	0.15%
2009-07-21	0.14	0.14%
2009-07-22	0.14	0.14%
2009-07-23	0.15	0.15%
2009-07-24	0.15	0.15%
2009-07-27	0.16	0.16%
2009-07-28	0.15	0.15%
2009-07-29	0.17	0.17%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2009-07-30	0.17	0.17%
2009-07-31	0.18	0.18%
2009-08-03	0.18	0.18%
2009-08-04	0.17	0.17%
2009-08-05	0.17	0.17%
2009-08-06	0.17	0.17%
2009-08-07	0.17	0.17%
2009-08-10	0.17	0.17%
2009-08-11	0.16	0.16%
2009-08-12	0.15	0.15%
2009-08-13	0.15	0.15%
2009-08-14	0.15	0.15%
2009-08-17	0.17	0.17%
2009-08-18	0.17	0.17%
2009-08-19	0.17	0.17%
2009-08-20	0.17	0.17%
2009-08-21	0.16	0.16%
2009-08-24	0.16	0.16%
2009-08-25	0.15	0.15%
2009-08-26	0.15	0.15%
2009-08-27	0.14	0.14%
2009-08-28	0.14	0.14%
2009-08-31	0.15	0.15%
2009-09-01	0.15	0.15%
2009-09-02	0.16	0.16%
2009-09-03	0.15	0.15%
2009-09-04	0.15	0.15%
2009-09-07	#N/A	0.15%
2009-09-08	0.15	0.15%
2009-09-09	0.15	0.15%
2009-09-10	0.16	0.16%
2009-09-11	0.15	0.15%
2009-09-14	0.16	0.16%
2009-09-15	0.17	0.17%
2009-09-16	0.17	0.17%
2009-09-17	0.16	0.16%
2009-09-18	0.16	0.16%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2009-09-21	0.15	0.15%
2009-09-22	0.15	0.15%
2009-09-23	0.15	0.15%
2009-09-24	0.14	0.14%
2009-09-25	0.13	0.13%
2009-09-28	0.13	0.13%
2009-09-29	0.11	0.11%
2009-09-30	0.07	0.07%
2009-10-01	0.11	0.11%
2009-10-02	0.13	0.13%
2009-10-05	0.13	0.13%
2009-10-06	0.12	0.12%
2009-10-07	0.13	0.13%
2009-10-08	0.12	0.12%
2009-10-09	0.12	0.12%
2009-10-12	#N/A	0.12%
2009-10-13	0.12	0.12%
2009-10-14	0.12	0.12%
2009-10-15	0.13	0.13%
2009-10-16	0.12	0.12%
2009-10-19	0.12	0.12%
2009-10-20	0.12	0.12%
2009-10-21	0.11	0.11%
2009-10-22	0.11	0.11%
2009-10-23	0.11	0.11%
2009-10-26	0.11	0.11%
2009-10-27	0.11	0.11%
2009-10-28	0.11	0.11%
2009-10-29	0.11	0.11%
2009-10-30	0.11	0.11%
2009-11-02	0.12	0.12%
2009-11-03	0.12	0.12%
2009-11-04	0.13	0.13%
2009-11-05	0.13	0.13%
2009-11-06	0.12	0.12%
2009-11-09	0.12	0.12%
2009-11-10	0.13	0.13%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2009-11-11	#N/A	0.13%
2009-11-12	0.12	0.12%
2009-11-13	0.12	0.12%
2009-11-16	0.12	0.12%
2009-11-17	0.12	0.12%
2009-11-18	0.11	0.11%
2009-11-19	0.11	0.11%
2009-11-20	0.11	0.11%
2009-11-23	0.12	0.12%
2009-11-24	0.12	0.12%
2009-11-25	0.11	0.11%
2009-11-26	#N/A	0.11%
2009-11-27	0.12	0.12%
2009-11-30	0.13	0.13%
2009-12-01	0.13	0.13%
2009-12-02	0.13	0.13%
2009-12-03	0.13	0.13%
2009-12-04	0.12	0.12%
2009-12-07	0.12	0.12%
2009-12-08	0.12	0.12%
2009-12-09	0.12	0.12%
2009-12-10	0.12	0.12%
2009-12-11	0.12	0.12%
2009-12-14	0.12	0.12%
2009-12-15	0.13	0.13%
2009-12-16	0.14	0.14%
2009-12-17	0.13	0.13%
2009-12-18	0.12	0.12%
2009-12-21	0.12	0.12%
2009-12-22	0.12	0.12%
2009-12-23	0.11	0.11%
2009-12-24	0.11	0.11%
2009-12-25	#N/A	0.11%
2009-12-28	0.12	0.12%
2009-12-29	0.12	0.12%
2009-12-30	0.11	0.11%
2009-12-31	0.05	0.05%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2010-01-01	#N/A	0.05%
2010-01-04	0.12	0.12%
2010-01-05	0.12	0.12%
2010-01-06	0.12	0.12%
2010-01-07	0.10	0.10%
2010-01-08	0.11	0.11%
2010-01-11	0.11	0.11%
2010-01-12	0.11	0.11%
2010-01-13	0.11	0.11%
2010-01-14	0.11	0.11%
2010-01-15	0.12	0.12%
2010-01-18	#N/A	0.12%
2010-01-19	0.13	0.13%
2010-01-20	0.13	0.13%
2010-01-21	0.12	0.12%
2010-01-22	0.11	0.11%
2010-01-25	0.12	0.12%
2010-01-26	0.12	0.12%
2010-01-27	0.12	0.12%
2010-01-28	0.12	0.12%
2010-01-29	0.12	0.12%
2010-02-01	0.14	0.14%
2010-02-02	0.14	0.14%
2010-02-03	0.13	0.13%
2010-02-04	0.14	0.14%
2010-02-05	0.13	0.13%
2010-02-08	0.13	0.13%
2010-02-09	0.13	0.13%
2010-02-10	0.12	0.12%
2010-02-11	0.12	0.12%
2010-02-12	0.12	0.12%
2010-02-15	#N/A	0.12%
2010-02-16	0.13	0.13%
2010-02-17	0.12	0.12%
2010-02-18	0.12	0.12%
2010-02-19	0.13	0.13%
2010-02-22	0.12	0.12%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2010-02-23	0.12	0.12%
2010-02-24	0.11	0.11%
2010-02-25	0.12	0.12%
2010-02-26	0.13	0.13%
2010-03-01	0.14	0.14%
2010-03-02	0.14	0.14%
2010-03-03	0.15	0.15%
2010-03-04	0.16	0.16%
2010-03-05	0.17	0.17%
2010-03-08	0.15	0.15%
2010-03-09	0.14	0.14%
2010-03-10	0.14	0.14%
2010-03-11	0.15	0.15%
2010-03-12	0.17	0.17%
2010-03-15	0.20	0.20%
2010-03-16	0.20	0.20%
2010-03-17	0.18	0.18%
2010-03-18	0.18	0.18%
2010-03-19	0.18	0.18%
2010-03-22	0.18	0.18%
2010-03-23	0.17	0.17%
2010-03-24	0.17	0.17%
2010-03-25	0.17	0.17%
2010-03-26	0.17	0.17%
2010-03-29	0.16	0.16%
2010-03-30	0.16	0.16%
2010-03-31	0.09	0.09%
2010-04-01	0.17	0.17%
2010-04-02	0.20	0.20%
2010-04-05	0.20	0.20%
2010-04-06	0.20	0.20%
2010-04-07	0.19	0.19%
2010-04-08	0.19	0.19%
2010-04-09	0.19	0.19%
2010-04-12	0.19	0.19%
2010-04-13	0.20	0.20%
2010-04-14	0.20	0.20%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2010-04-15	0.22	0.22%
2010-04-16	0.21	0.21%
2010-04-19	0.20	0.20%
2010-04-20	0.20	0.20%
2010-04-21	0.20	0.20%
2010-04-22	0.20	0.20%
2010-04-23	0.20	0.20%
2010-04-26	0.20	0.20%
2010-04-27	0.20	0.20%
2010-04-28	0.20	0.20%
2010-04-29	0.19	0.19%
2010-04-30	0.20	0.20%
2010-05-03	0.20	0.20%
2010-05-04	0.21	0.21%
2010-05-05	0.21	0.21%
2010-05-06	0.20	0.20%
2010-05-07	0.20	0.20%
2010-05-10	0.20	0.20%
2010-05-11	0.20	0.20%
2010-05-12	0.20	0.20%
2010-05-13	0.20	0.20%
2010-05-14	0.20	0.20%
2010-05-17	0.21	0.21%
2010-05-18	0.21	0.21%
2010-05-19	0.20	0.20%
2010-05-20	0.20	0.20%
2010-05-21	0.20	0.20%
2010-05-24	0.21	0.21%
2010-05-25	0.21	0.21%
2010-05-26	0.20	0.20%
2010-05-27	0.20	0.20%
2010-05-28	0.19	0.19%
2010-05-31	#N/A	0.19%
2010-06-01	0.20	0.20%
2010-06-02	0.20	0.20%
2010-06-03	0.19	0.19%
2010-06-04	0.19	0.19%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2010-06-07	0.19	0.19%
2010-06-08	0.19	0.19%
2010-06-09	0.18	0.18%
2010-06-10	0.18	0.18%
2010-06-11	0.18	0.18%
2010-06-14	0.18	0.18%
2010-06-15	0.19	0.19%
2010-06-16	0.19	0.19%
2010-06-17	0.19	0.19%
2010-06-18	0.18	0.18%
2010-06-21	0.17	0.17%
2010-06-22	0.18	0.18%
2010-06-23	0.17	0.17%
2010-06-24	0.16	0.16%
2010-06-25	0.16	0.16%
2010-06-28	0.17	0.17%
2010-06-29	0.15	0.15%
2010-06-30	0.09	0.09%
2010-07-01	0.17	0.17%
2010-07-02	0.18	0.18%
2010-07-05	#N/A	0.18%
2010-07-06	0.18	0.18%
2010-07-07	0.18	0.18%
2010-07-08	0.17	0.17%
2010-07-09	0.18	0.18%
2010-07-12	0.17	0.17%
2010-07-13	0.17	0.17%
2010-07-14	0.17	0.17%
2010-07-15	0.19	0.19%
2010-07-16	0.19	0.19%
2010-07-19	0.19	0.19%
2010-07-20	0.18	0.18%
2010-07-21	0.18	0.18%
2010-07-22	0.18	0.18%
2010-07-23	0.19	0.19%
2010-07-26	0.19	0.19%
2010-07-27	0.19	0.19%

FRED Graph Observations
Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2010-07-28	0.20	0.20%
2010-07-29	0.19	0.19%
2010-07-30	0.18	0.18%
2010-08-02	0.19	0.19%
2010-08-03	0.19	0.19%
2010-08-04	0.19	0.19%
2010-08-05	0.19	0.19%
2010-08-06	0.18	0.18%
2010-08-09	0.18	0.18%
2010-08-10	0.18	0.18%
2010-08-11	0.17	0.17%
2010-08-12	0.18	0.18%
2010-08-13	0.19	0.19%
2010-08-16	0.20	0.20%
2010-08-17	0.20	0.20%
2010-08-18	0.19	0.19%
2010-08-19	0.19	0.19%
2010-08-20	0.20	0.20%
2010-08-23	0.19	0.19%
2010-08-24	0.19	0.19%
2010-08-25	0.19	0.19%
2010-08-26	0.19	0.19%
2010-08-27	0.19	0.19%
2010-08-30	0.19	0.19%
2010-08-31	0.21	0.21%
2010-09-01	0.19	0.19%
2010-09-02	0.19	0.19%
2010-09-03	0.19	0.19%
2010-09-06	#N/A	0.19%
2010-09-07	0.20	0.20%
2010-09-08	0.19	0.19%
2010-09-09	0.18	0.18%
2010-09-10	0.18	0.18%
2010-09-13	0.18	0.18%
2010-09-14	0.19	0.19%
2010-09-15	0.21	0.21%
2010-09-16	0.21	0.21%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2010-09-17	0.21	0.21%
2010-09-20	0.21	0.21%
2010-09-21	0.20	0.20%
2010-09-22	0.21	0.21%
2010-09-23	0.20	0.20%
2010-09-24	0.21	0.21%
2010-09-27	0.19	0.19%
2010-09-28	0.19	0.19%
2010-09-29	0.19	0.19%
2010-09-30	0.15	0.15%
2010-10-01	0.20	0.20%
2010-10-04	0.20	0.20%
2010-10-05	0.20	0.20%
2010-10-06	0.19	0.19%
2010-10-07	0.18	0.18%
2010-10-08	0.18	0.18%
2010-10-11	#N/A	0.18%
2010-10-12	0.18	0.18%
2010-10-13	0.18	0.18%
2010-10-14	0.19	0.19%
2010-10-15	0.20	0.20%
2010-10-18	0.19	0.19%
2010-10-19	0.19	0.19%
2010-10-20	0.19	0.19%
2010-10-21	0.19	0.19%
2010-10-22	0.19	0.19%
2010-10-25	0.19	0.19%
2010-10-26	0.19	0.19%
2010-10-27	0.19	0.19%
2010-10-28	0.19	0.19%
2010-10-29	0.20	0.20%
2010-11-01	0.20	0.20%
2010-11-02	0.20	0.20%
2010-11-03	0.20	0.20%
2010-11-04	0.19	0.19%
2010-11-05	0.18	0.18%
2010-11-08	0.18	0.18%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2010-11-09	0.17	0.17%
2010-11-10	0.17	0.17%
2010-11-11	#N/A	0.17%
2010-11-12	0.19	0.19%
2010-11-15	0.21	0.21%
2010-11-16	0.21	0.21%
2010-11-17	0.20	0.20%
2010-11-18	0.20	0.20%
2010-11-19	0.21	0.21%
2010-11-22	0.19	0.19%
2010-11-23	0.20	0.20%
2010-11-24	0.20	0.20%
2010-11-25	#N/A	0.20%
2010-11-26	0.20	0.20%
2010-11-29	0.20	0.20%
2010-11-30	0.20	0.20%
2010-12-01	0.20	0.20%
2010-12-02	0.19	0.19%
2010-12-03	0.18	0.18%
2010-12-06	0.18	0.18%
2010-12-07	0.17	0.17%
2010-12-08	0.17	0.17%
2010-12-09	0.16	0.16%
2010-12-10	0.16	0.16%
2010-12-13	0.17	0.17%
2010-12-14	0.19	0.19%
2010-12-15	0.20	0.20%
2010-12-16	0.20	0.20%
2010-12-17	0.20	0.20%
2010-12-20	0.21	0.21%
2010-12-21	0.20	0.20%
2010-12-22	0.19	0.19%
2010-12-23	0.19	0.19%
2010-12-24	0.19	0.19%
2010-12-27	0.19	0.19%
2010-12-28	0.18	0.18%
2010-12-29	0.18	0.18%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2010-12-30	0.19	0.19%
2010-12-31	0.13	0.13%
2011-01-03	0.19	0.19%
2011-01-04	0.18	0.18%
2011-01-05	0.18	0.18%
2011-01-06	0.17	0.17%
2011-01-07	0.17	0.17%
2011-01-10	0.17	0.17%
2011-01-11	0.17	0.17%
2011-01-12	0.16	0.16%
2011-01-13	0.16	0.16%
2011-01-14	0.16	0.16%
2011-01-17	#N/A	0.16%
2011-01-18	0.19	0.19%
2011-01-19	0.18	0.18%
2011-01-20	0.18	0.18%
2011-01-21	0.17	0.17%
2011-01-24	0.18	0.18%
2011-01-25	0.17	0.17%
2011-01-26	0.17	0.17%
2011-01-27	0.17	0.17%
2011-01-28	0.17	0.17%
2011-01-31	0.17	0.17%
2011-02-01	0.18	0.18%
2011-02-02	0.18	0.18%
2011-02-03	0.17	0.17%
2011-02-04	0.17	0.17%
2011-02-07	0.17	0.17%
2011-02-08	0.16	0.16%
2011-02-09	0.15	0.15%
2011-02-10	0.15	0.15%
2011-02-11	0.15	0.15%
2011-02-14	0.15	0.15%
2011-02-15	0.16	0.16%
2011-02-16	0.15	0.15%
2011-02-17	0.15	0.15%
2011-02-18	0.15	0.15%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2011-02-21	#N/A	0.15%
2011-02-22	0.15	0.15%
2011-02-23	0.15	0.15%
2011-02-24	0.15	0.15%
2011-02-25	0.15	0.15%
2011-02-28	0.16	0.16%
2011-03-01	0.15	0.15%
2011-03-02	0.16	0.16%
2011-03-03	0.15	0.15%
2011-03-04	0.15	0.15%
2011-03-07	0.14	0.14%
2011-03-08	0.14	0.14%
2011-03-09	0.14	0.14%
2011-03-10	0.14	0.14%
2011-03-11	0.13	0.13%
2011-03-14	0.14	0.14%
2011-03-15	0.14	0.14%
2011-03-16	0.14	0.14%
2011-03-17	0.14	0.14%
2011-03-18	0.15	0.15%
2011-03-21	0.14	0.14%
2011-03-22	0.14	0.14%
2011-03-23	0.14	0.14%
2011-03-24	0.13	0.13%
2011-03-25	0.13	0.13%
2011-03-28	0.13	0.13%
2011-03-29	0.13	0.13%
2011-03-30	0.13	0.13%
2011-03-31	0.10	0.10%
2011-04-01	0.11	0.11%
2011-04-04	0.09	0.09%
2011-04-05	0.09	0.09%
2011-04-06	0.10	0.10%
2011-04-07	0.10	0.10%
2011-04-08	0.09	0.09%
2011-04-11	0.09	0.09%
2011-04-12	0.08	0.08%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2011-04-13	0.08	0.08%
2011-04-14	0.09	0.09%
2011-04-15	0.12	0.12%
2011-04-18	0.10	0.10%
2011-04-19	0.11	0.11%
2011-04-20	0.10	0.10%
2011-04-21	0.10	0.10%
2011-04-22	0.10	0.10%
2011-04-25	0.10	0.10%
2011-04-26	0.09	0.09%
2011-04-27	0.09	0.09%
2011-04-28	0.09	0.09%
2011-04-29	0.09	0.09%
2011-05-02	0.09	0.09%
2011-05-03	0.09	0.09%
2011-05-04	0.09	0.09%
2011-05-05	0.09	0.09%
2011-05-06	0.09	0.09%
2011-05-09	0.09	0.09%
2011-05-10	0.09	0.09%
2011-05-11	0.09	0.09%
2011-05-12	0.09	0.09%
2011-05-13	0.09	0.09%
2011-05-16	0.10	0.10%
2011-05-17	0.09	0.09%
2011-05-18	0.10	0.10%
2011-05-19	0.09	0.09%
2011-05-20	0.10	0.10%
2011-05-23	0.10	0.10%
2011-05-24	0.10	0.10%
2011-05-25	0.09	0.09%
2011-05-26	0.09	0.09%
2011-05-27	0.10	0.10%
2011-05-30	#N/A	0.10%
2011-05-31	0.10	0.10%
2011-06-01	0.10	0.10%
2011-06-02	0.10	0.10%

FRED Graph Observations
Federal Reserve Economic Data
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Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2011-06-03	0.11	0.11%
2011-06-06	0.10	0.10%
2011-06-07	0.09	0.09%
2011-06-08	0.09	0.09%
2011-06-09	0.09	0.09%
2011-06-10	0.09	0.09%
2011-06-13	0.10	0.10%
2011-06-14	0.10	0.10%
2011-06-15	0.10	0.10%
2011-06-16	0.10	0.10%
2011-06-17	0.10	0.10%
2011-06-20	0.09	0.09%
2011-06-21	0.09	0.09%
2011-06-22	0.09	0.09%
2011-06-23	0.08	0.08%
2011-06-24	0.08	0.08%
2011-06-27	0.08	0.08%
2011-06-28	0.08	0.08%
2011-06-29	0.07	0.07%
2011-06-30	0.07	0.07%
2011-07-01	0.08	0.08%
2011-07-04	#N/A	0.08%
2011-07-05	0.08	0.08%
2011-07-06	0.07	0.07%
2011-07-07	0.07	0.07%
2011-07-08	0.07	0.07%
2011-07-11	0.07	0.07%
2011-07-12	0.06	0.06%
2011-07-13	0.06	0.06%
2011-07-14	0.06	0.06%
2011-07-15	0.06	0.06%
2011-07-18	0.06	0.06%
2011-07-19	0.06	0.06%
2011-07-20	0.06	0.06%
2011-07-21	0.06	0.06%
2011-07-22	0.06	0.06%
2011-07-25	0.06	0.06%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2011-07-26	0.06	0.06%
2011-07-27	0.07	0.07%
2011-07-28	0.08	0.08%
2011-07-29	0.11	0.11%
2011-08-01	0.17	0.17%
2011-08-02	0.16	0.16%
2011-08-03	0.12	0.12%
2011-08-04	0.09	0.09%
2011-08-05	0.08	0.08%
2011-08-08	0.11	0.11%
2011-08-09	0.10	0.10%
2011-08-10	0.10	0.10%
2011-08-11	0.09	0.09%
2011-08-12	0.10	0.10%
2011-08-15	0.10	0.10%
2011-08-16	0.09	0.09%
2011-08-17	0.09	0.09%
2011-08-18	0.09	0.09%
2011-08-19	0.09	0.09%
2011-08-22	0.09	0.09%
2011-08-23	0.08	0.08%
2011-08-24	0.08	0.08%
2011-08-25	0.08	0.08%
2011-08-26	0.09	0.09%
2011-08-29	0.09	0.09%
2011-08-30	0.08	0.08%
2011-08-31	0.08	0.08%
2011-09-01	0.08	0.08%
2011-09-02	0.08	0.08%
2011-09-05	#N/A	0.08%
2011-09-06	0.09	0.09%
2011-09-07	0.09	0.09%
2011-09-08	0.09	0.09%
2011-09-09	0.09	0.09%
2011-09-12	0.09	0.09%
2011-09-13	0.09	0.09%
2011-09-14	0.08	0.08%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2011-09-15	0.09	0.09%
2011-09-16	0.09	0.09%
2011-09-19	0.09	0.09%
2011-09-20	0.09	0.09%
2011-09-21	0.08	0.08%
2011-09-22	0.08	0.08%
2011-09-23	0.08	0.08%
2011-09-26	0.08	0.08%
2011-09-27	0.08	0.08%
2011-09-28	0.08	0.08%
2011-09-29	0.08	0.08%
2011-09-30	0.06	0.06%
2011-10-03	0.08	0.08%
2011-10-04	0.07	0.07%
2011-10-05	0.07	0.07%
2011-10-06	0.07	0.07%
2011-10-07	0.07	0.07%
2011-10-10	#N/A	0.07%
2011-10-11	0.07	0.07%
2011-10-12	0.07	0.07%
2011-10-13	0.07	0.07%
2011-10-14	0.07	0.07%
2011-10-17	0.07	0.07%
2011-10-18	0.07	0.07%
2011-10-19	0.07	0.07%
2011-10-20	0.07	0.07%
2011-10-21	0.07	0.07%
2011-10-24	0.07	0.07%
2011-10-25	0.07	0.07%
2011-10-26	0.08	0.08%
2011-10-27	0.07	0.07%
2011-10-28	0.07	0.07%
2011-10-31	0.09	0.09%
2011-11-01	0.08	0.08%
2011-11-02	0.08	0.08%
2011-11-03	0.09	0.09%
2011-11-04	0.08	0.08%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2011-11-07	0.08	0.08%
2011-11-08	0.08	0.08%
2011-11-09	0.08	0.08%
2011-11-10	0.08	0.08%
2011-11-11	#N/A	0.08%
2011-11-14	0.08	0.08%
2011-11-15	0.09	0.09%
2011-11-16	0.08	0.08%
2011-11-17	0.08	0.08%
2011-11-18	0.08	0.08%
2011-11-21	0.08	0.08%
2011-11-22	0.08	0.08%
2011-11-23	0.09	0.09%
2011-11-24	#N/A	0.09%
2011-11-25	0.07	0.07%
2011-11-28	0.08	0.08%
2011-11-29	0.08	0.08%
2011-11-30	0.10	0.10%
2011-12-01	0.08	0.08%
2011-12-02	0.08	0.08%
2011-12-05	0.08	0.08%
2011-12-06	0.08	0.08%
2011-12-07	0.08	0.08%
2011-12-08	0.07	0.07%
2011-12-09	0.07	0.07%
2011-12-12	0.07	0.07%
2011-12-13	0.07	0.07%
2011-12-14	0.07	0.07%
2011-12-15	0.07	0.07%
2011-12-16	0.07	0.07%
2011-12-19	0.07	0.07%
2011-12-20	0.07	0.07%
2011-12-21	0.07	0.07%
2011-12-22	0.07	0.07%
2011-12-23	0.08	0.08%
2011-12-26	#N/A	0.08%
2011-12-27	0.07	0.07%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2011-12-28	0.07	0.07%
2011-12-29	0.07	0.07%
2011-12-30	0.04	0.04%
2012-01-02	#N/A	0.04%
2012-01-03	0.07	0.07%
2012-01-04	0.07	0.07%
2012-01-05	0.07	0.07%
2012-01-06	0.07	0.07%
2012-01-09	0.08	0.08%
2012-01-10	0.08	0.08%
2012-01-11	0.08	0.08%
2012-01-12	0.08	0.08%
2012-01-13	0.09	0.09%
2012-01-16	#N/A	0.09%
2012-01-17	0.09	0.09%
2012-01-18	0.09	0.09%
2012-01-19	0.10	0.10%
2012-01-20	0.09	0.09%
2012-01-23	0.09	0.09%
2012-01-24	0.09	0.09%
2012-01-25	0.08	0.08%
2012-01-26	0.08	0.08%
2012-01-27	0.09	0.09%
2012-01-30	0.09	0.09%
2012-01-31	0.11	0.11%
2012-02-01	0.11	0.11%
2012-02-02	0.11	0.11%
2012-02-03	0.11	0.11%
2012-02-06	0.11	0.11%
2012-02-07	0.11	0.11%
2012-02-08	0.11	0.11%
2012-02-09	0.11	0.11%
2012-02-10	0.12	0.12%
2012-02-13	0.12	0.12%
2012-02-14	0.12	0.12%
2012-02-15	0.12	0.12%
2012-02-16	0.11	0.11%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2012-02-17	0.09	0.09%
2012-02-20	#N/A	0.09%
2012-02-21	0.10	0.10%
2012-02-22	0.08	0.08%
2012-02-23	0.08	0.08%
2012-02-24	0.09	0.09%
2012-02-27	0.10	0.10%
2012-02-28	0.10	0.10%
2012-02-29	0.10	0.10%
2012-03-01	0.11	0.11%
2012-03-02	0.11	0.11%
2012-03-05	0.11	0.11%
2012-03-06	0.11	0.11%
2012-03-07	0.11	0.11%
2012-03-08	0.11	0.11%
2012-03-09	0.12	0.12%
2012-03-12	0.12	0.12%
2012-03-13	0.12	0.12%
2012-03-14	0.13	0.13%
2012-03-15	0.14	0.14%
2012-03-16	0.15	0.15%
2012-03-19	0.15	0.15%
2012-03-20	0.15	0.15%
2012-03-21	0.15	0.15%
2012-03-22	0.14	0.14%
2012-03-23	0.14	0.14%
2012-03-26	0.14	0.14%
2012-03-27	0.14	0.14%
2012-03-28	0.13	0.13%
2012-03-29	0.13	0.13%
2012-03-30	0.09	0.09%
2012-04-02	0.15	0.15%
2012-04-03	0.15	0.15%
2012-04-04	0.15	0.15%
2012-04-05	0.15	0.15%
2012-04-06	0.12	0.12%
2012-04-09	0.16	0.16%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2012-04-10	0.15	0.15%
2012-04-11	0.16	0.16%
2012-04-12	0.15	0.15%
2012-04-13	0.15	0.15%
2012-04-16	0.15	0.15%
2012-04-17	0.16	0.16%
2012-04-18	0.15	0.15%
2012-04-19	0.13	0.13%
2012-04-20	0.12	0.12%
2012-04-23	0.13	0.13%
2012-04-24	0.14	0.14%
2012-04-25	0.15	0.15%
2012-04-26	0.14	0.14%
2012-04-27	0.13	0.13%
2012-04-30	0.16	0.16%
2012-05-01	0.16	0.16%
2012-05-02	0.15	0.15%
2012-05-03	0.15	0.15%
2012-05-04	0.16	0.16%
2012-05-07	0.16	0.16%
2012-05-08	0.16	0.16%
2012-05-09	0.15	0.15%
2012-05-10	0.15	0.15%
2012-05-11	0.15	0.15%
2012-05-14	0.16	0.16%
2012-05-15	0.16	0.16%
2012-05-16	0.16	0.16%
2012-05-17	0.16	0.16%
2012-05-18	0.16	0.16%
2012-05-21	0.16	0.16%
2012-05-22	0.16	0.16%
2012-05-23	0.15	0.15%
2012-05-24	0.15	0.15%
2012-05-25	0.15	0.15%
2012-05-28	#N/A	0.15%
2012-05-29	0.16	0.16%
2012-05-30	0.16	0.16%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2012-05-31	0.16	0.16%
2012-06-01	0.16	0.16%
2012-06-04	0.17	0.17%
2012-06-05	0.17	0.17%
2012-06-06	0.16	0.16%
2012-06-07	0.16	0.16%
2012-06-08	0.17	0.17%
2012-06-11	0.17	0.17%
2012-06-12	0.16	0.16%
2012-06-13	0.17	0.17%
2012-06-14	0.17	0.17%
2012-06-15	0.18	0.18%
2012-06-18	0.17	0.17%
2012-06-19	0.17	0.17%
2012-06-20	0.16	0.16%
2012-06-21	0.17	0.17%
2012-06-22	0.17	0.17%
2012-06-25	0.17	0.17%
2012-06-26	0.16	0.16%
2012-06-27	0.15	0.15%
2012-06-28	0.15	0.15%
2012-06-29	0.09	0.09%
2012-07-02	0.18	0.18%
2012-07-03	0.17	0.17%
2012-07-04	#N/A	0.17%
2012-07-05	0.17	0.17%
2012-07-06	0.17	0.17%
2012-07-09	0.17	0.17%
2012-07-10	0.17	0.17%
2012-07-11	0.17	0.17%
2012-07-12	0.18	0.18%
2012-07-13	0.19	0.19%
2012-07-16	0.18	0.18%
2012-07-17	0.17	0.17%
2012-07-18	0.16	0.16%
2012-07-19	0.13	0.13%
2012-07-20	0.13	0.13%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2012-07-23	0.14	0.14%
2012-07-24	0.15	0.15%
2012-07-25	0.15	0.15%
2012-07-26	0.14	0.14%
2012-07-27	0.14	0.14%
2012-07-30	0.14	0.14%
2012-07-31	0.13	0.13%
2012-08-01	0.14	0.14%
2012-08-02	0.14	0.14%
2012-08-03	0.14	0.14%
2012-08-06	0.14	0.14%
2012-08-07	0.13	0.13%
2012-08-08	0.13	0.13%
2012-08-09	0.13	0.13%
2012-08-10	0.13	0.13%
2012-08-13	0.13	0.13%
2012-08-14	0.13	0.13%
2012-08-15	0.13	0.13%
2012-08-16	0.13	0.13%
2012-08-17	0.13	0.13%
2012-08-20	0.13	0.13%
2012-08-21	0.13	0.13%
2012-08-22	0.13	0.13%
2012-08-23	0.13	0.13%
2012-08-24	0.13	0.13%
2012-08-27	0.13	0.13%
2012-08-28	0.13	0.13%
2012-08-29	0.13	0.13%
2012-08-30	0.14	0.14%
2012-08-31	0.13	0.13%
2012-09-03	#N/A	0.13%
2012-09-04	0.14	0.14%
2012-09-05	0.16	0.16%
2012-09-06	0.16	0.16%
2012-09-07	0.15	0.15%
2012-09-10	0.15	0.15%
2012-09-11	0.15	0.15%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2012-09-12	0.15	0.15%
2012-09-13	0.15	0.15%
2012-09-14	0.16	0.16%
2012-09-17	0.16	0.16%
2012-09-18	0.16	0.16%
2012-09-19	0.15	0.15%
2012-09-20	0.16	0.16%
2012-09-21	0.15	0.15%
2012-09-24	0.16	0.16%
2012-09-25	0.15	0.15%
2012-09-26	0.15	0.15%
2012-09-27	0.14	0.14%
2012-09-28	0.09	0.09%
2012-10-01	0.15	0.15%
2012-10-02	0.16	0.16%
2012-10-03	0.16	0.16%
2012-10-04	0.15	0.15%
2012-10-05	0.15	0.15%
2012-10-08	#N/A	0.15%
2012-10-09	0.16	0.16%
2012-10-10	0.16	0.16%
2012-10-11	0.16	0.16%
2012-10-12	0.16	0.16%
2012-10-15	0.16	0.16%
2012-10-16	0.16	0.16%
2012-10-17	0.15	0.15%
2012-10-18	0.15	0.15%
2012-10-19	0.16	0.16%
2012-10-22	0.15	0.15%
2012-10-23	0.15	0.15%
2012-10-24	0.17	0.17%
2012-10-25	0.16	0.16%
2012-10-26	0.16	0.16%
2012-10-29	0.17	0.17%
2012-10-30	0.17	0.17%
2012-10-31	0.18	0.18%
2012-11-01	0.17	0.17%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2012-11-02	0.16	0.16%
2012-11-05	0.17	0.17%
2012-11-06	0.16	0.16%
2012-11-07	0.16	0.16%
2012-11-08	0.16	0.16%
2012-11-09	0.16	0.16%
2012-11-12	#N/A	0.16%
2012-11-13	0.16	0.16%
2012-11-14	0.16	0.16%
2012-11-15	0.16	0.16%
2012-11-16	0.16	0.16%
2012-11-19	0.16	0.16%
2012-11-20	0.16	0.16%
2012-11-21	0.16	0.16%
2012-11-22	#N/A	0.16%
2012-11-23	0.16	0.16%
2012-11-26	0.16	0.16%
2012-11-27	0.16	0.16%
2012-11-28	0.16	0.16%
2012-11-29	0.16	0.16%
2012-11-30	0.16	0.16%
2012-12-03	0.16	0.16%
2012-12-04	0.17	0.17%
2012-12-05	0.16	0.16%
2012-12-06	0.16	0.16%
2012-12-07	0.16	0.16%
2012-12-10	0.16	0.16%
2012-12-11	0.17	0.17%
2012-12-12	0.17	0.17%
2012-12-13	0.16	0.16%
2012-12-14	0.17	0.17%
2012-12-17	0.16	0.16%
2012-12-18	0.17	0.17%
2012-12-19	0.17	0.17%
2012-12-20	0.17	0.17%
2012-12-21	0.17	0.17%
2012-12-24	0.18	0.18%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2012-12-25	#N/A	0.18%
2012-12-26	0.17	0.17%
2012-12-27	0.17	0.17%
2012-12-28	0.17	0.17%
2012-12-31	0.09	0.09%
2013-01-01	#N/A	0.09%
2013-01-02	0.17	0.17%
2013-01-03	0.17	0.17%
2013-01-04	0.16	0.16%
2013-01-07	0.16	0.16%
2013-01-08	0.15	0.15%
2013-01-09	0.14	0.14%
2013-01-10	0.14	0.14%
2013-01-11	0.14	0.14%
2013-01-14	0.14	0.14%
2013-01-15	0.15	0.15%
2013-01-16	0.14	0.14%
2013-01-17	0.14	0.14%
2013-01-18	0.14	0.14%
2013-01-21	#N/A	0.14%
2013-01-22	0.14	0.14%
2013-01-23	0.13	0.13%
2013-01-24	0.15	0.15%
2013-01-25	0.14	0.14%
2013-01-28	0.14	0.14%
2013-01-29	0.12	0.12%
2013-01-30	0.12	0.12%
2013-01-31	0.15	0.15%
2013-02-01	0.14	0.14%
2013-02-04	0.13	0.13%
2013-02-05	0.13	0.13%
2013-02-06	0.13	0.13%
2013-02-07	0.13	0.13%
2013-02-08	0.14	0.14%
2013-02-11	0.14	0.14%
2013-02-12	0.13	0.13%
2013-02-13	0.14	0.14%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2013-02-14	0.14	0.14%
2013-02-15	0.16	0.16%
2013-02-18	#N/A	0.16%
2013-02-19	0.15	0.15%
2013-02-20	0.15	0.15%
2013-02-21	0.16	0.16%
2013-02-22	0.16	0.16%
2013-02-25	0.15	0.15%
2013-02-26	0.14	0.14%
2013-02-27	0.14	0.14%
2013-02-28	0.14	0.14%
2013-03-01	0.14	0.14%
2013-03-04	0.16	0.16%
2013-03-05	0.15	0.15%
2013-03-06	0.15	0.15%
2013-03-07	0.16	0.16%
2013-03-08	0.15	0.15%
2013-03-11	0.16	0.16%
2013-03-12	0.15	0.15%
2013-03-13	0.14	0.14%
2013-03-14	0.15	0.15%
2013-03-15	0.16	0.16%
2013-03-18	0.16	0.16%
2013-03-19	0.15	0.15%
2013-03-20	0.15	0.15%
2013-03-21	0.16	0.16%
2013-03-22	0.15	0.15%
2013-03-25	0.15	0.15%
2013-03-26	0.14	0.14%
2013-03-27	0.12	0.12%
2013-03-28	0.13	0.13%
2013-03-29	0.09	0.09%
2013-04-01	0.16	0.16%
2013-04-02	0.15	0.15%
2013-04-03	0.14	0.14%
2013-04-04	0.14	0.14%
2013-04-05	0.15	0.15%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2013-04-08	0.15	0.15%
2013-04-09	0.15	0.15%
2013-04-10	0.15	0.15%
2013-04-11	0.15	0.15%
2013-04-12	0.15	0.15%
2013-04-15	0.15	0.15%
2013-04-16	0.15	0.15%
2013-04-17	0.15	0.15%
2013-04-18	0.15	0.15%
2013-04-19	0.15	0.15%
2013-04-22	0.15	0.15%
2013-04-23	0.14	0.14%
2013-04-24	0.13	0.13%
2013-04-25	0.13	0.13%
2013-04-26	0.13	0.13%
2013-04-29	0.13	0.13%
2013-04-30	0.14	0.14%
2013-05-01	0.14	0.14%
2013-05-02	0.15	0.15%
2013-05-03	0.14	0.14%
2013-05-06	0.14	0.14%
2013-05-07	0.12	0.12%
2013-05-08	0.12	0.12%
2013-05-09	0.12	0.12%
2013-05-10	0.12	0.12%
2013-05-13	0.12	0.12%
2013-05-14	0.11	0.11%
2013-05-15	0.12	0.12%
2013-05-16	0.11	0.11%
2013-05-17	0.10	0.10%
2013-05-20	0.10	0.10%
2013-05-21	0.09	0.09%
2013-05-22	0.08	0.08%
2013-05-23	0.08	0.08%
2013-05-24	0.09	0.09%
2013-05-27	#N/A	0.09%
2013-05-28	0.09	0.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2013-05-29	0.08	0.08%
2013-05-30	0.08	0.08%
2013-05-31	0.09	0.09%
2013-06-03	0.10	0.10%
2013-06-04	0.11	0.11%
2013-06-05	0.09	0.09%
2013-06-06	0.10	0.10%
2013-06-07	0.09	0.09%
2013-06-10	0.09	0.09%
2013-06-11	0.09	0.09%
2013-06-12	0.08	0.08%
2013-06-13	0.09	0.09%
2013-06-14	0.10	0.10%
2013-06-17	0.11	0.11%
2013-06-18	0.12	0.12%
2013-06-19	0.10	0.10%
2013-06-20	0.10	0.10%
2013-06-21	0.10	0.10%
2013-06-24	0.10	0.10%
2013-06-25	0.09	0.09%
2013-06-26	0.09	0.09%
2013-06-27	0.09	0.09%
2013-06-28	0.07	0.07%
2013-07-01	0.10	0.10%
2013-07-02	0.10	0.10%
2013-07-03	0.10	0.10%
2013-07-04	#N/A	0.10%
2013-07-05	0.10	0.10%
2013-07-08	0.10	0.10%
2013-07-09	0.10	0.10%
2013-07-10	0.09	0.09%
2013-07-11	0.09	0.09%
2013-07-12	0.09	0.09%
2013-07-15	0.09	0.09%
2013-07-16	0.09	0.09%
2013-07-17	0.09	0.09%
2013-07-18	0.09	0.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2013-07-19	0.09	0.09%
2013-07-22	0.09	0.09%
2013-07-23	0.09	0.09%
2013-07-24	0.09	0.09%
2013-07-25	0.09	0.09%
2013-07-26	0.09	0.09%
2013-07-29	0.08	0.08%
2013-07-30	0.09	0.09%
2013-07-31	0.09	0.09%
2013-08-01	0.08	0.08%
2013-08-02	0.09	0.09%
2013-08-05	0.08	0.08%
2013-08-06	0.09	0.09%
2013-08-07	0.09	0.09%
2013-08-08	0.09	0.09%
2013-08-09	0.08	0.08%
2013-08-12	0.08	0.08%
2013-08-13	0.08	0.08%
2013-08-14	0.09	0.09%
2013-08-15	0.08	0.08%
2013-08-16	0.09	0.09%
2013-08-19	0.09	0.09%
2013-08-20	0.09	0.09%
2013-08-21	0.08	0.08%
2013-08-22	0.09	0.09%
2013-08-23	0.08	0.08%
2013-08-26	0.08	0.08%
2013-08-27	0.07	0.07%
2013-08-28	0.07	0.07%
2013-08-29	0.08	0.08%
2013-08-30	0.07	0.07%
2013-09-02	#N/A	0.07%
2013-09-03	0.09	0.09%
2013-09-04	0.08	0.08%
2013-09-05	0.08	0.08%
2013-09-06	0.08	0.08%
2013-09-09	0.08	0.08%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2013-09-10	0.08	0.08%
2013-09-11	0.08	0.08%
2013-09-12	0.08	0.08%
2013-09-13	0.08	0.08%
2013-09-16	0.08	0.08%
2013-09-17	0.08	0.08%
2013-09-18	0.08	0.08%
2013-09-19	0.09	0.09%
2013-09-20	0.08	0.08%
2013-09-23	0.09	0.09%
2013-09-24	0.09	0.09%
2013-09-25	0.08	0.08%
2013-09-26	0.08	0.08%
2013-09-27	0.08	0.08%
2013-09-30	0.06	0.06%
2013-10-01	0.08	0.08%
2013-10-02	0.07	0.07%
2013-10-03	0.08	0.08%
2013-10-04	0.08	0.08%
2013-10-07	0.08	0.08%
2013-10-08	0.08	0.08%
2013-10-09	0.09	0.09%
2013-10-10	0.09	0.09%
2013-10-11	0.10	0.10%
2013-10-14	#N/A	0.10%
2013-10-15	0.10	0.10%
2013-10-16	0.11	0.11%
2013-10-17	0.10	0.10%
2013-10-18	0.10	0.10%
2013-10-21	0.09	0.09%
2013-10-22	0.08	0.08%
2013-10-23	0.08	0.08%
2013-10-24	0.08	0.08%
2013-10-25	0.08	0.08%
2013-10-28	0.08	0.08%
2013-10-29	0.08	0.08%
2013-10-30	0.08	0.08%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2013-10-31	0.07	0.07%
2013-11-01	0.08	0.08%
2013-11-04	0.08	0.08%
2013-11-05	0.08	0.08%
2013-11-06	0.08	0.08%
2013-11-07	0.08	0.08%
2013-11-08	0.08	0.08%
2013-11-11	#N/A	0.08%
2013-11-12	0.08	0.08%
2013-11-13	0.08	0.08%
2013-11-14	0.09	0.09%
2013-11-15	0.09	0.09%
2013-11-18	0.09	0.09%
2013-11-19	0.09	0.09%
2013-11-20	0.09	0.09%
2013-11-21	0.09	0.09%
2013-11-22	0.09	0.09%
2013-11-25	0.09	0.09%
2013-11-26	0.09	0.09%
2013-11-27	0.09	0.09%
2013-11-28	#N/A	0.09%
2013-11-29	0.07	0.07%
2013-12-02	0.09	0.09%
2013-12-03	0.09	0.09%
2013-12-04	0.09	0.09%
2013-12-05	0.09	0.09%
2013-12-06	0.09	0.09%
2013-12-09	0.09	0.09%
2013-12-10	0.09	0.09%
2013-12-11	0.08	0.08%
2013-12-12	0.09	0.09%
2013-12-13	0.08	0.08%
2013-12-16	0.09	0.09%
2013-12-17	0.09	0.09%
2013-12-18	0.09	0.09%
2013-12-19	0.09	0.09%
2013-12-20	0.09	0.09%

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Federal Reserve Economic Data
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Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2013-12-23	0.09	0.09%
2013-12-24	0.08	0.08%
2013-12-25	#N/A	0.08%
2013-12-26	0.08	0.08%
2013-12-27	0.08	0.08%
2013-12-30	0.08	0.08%
2013-12-31	0.07	0.07%
2014-01-01	#N/A	0.07%
2014-01-02	0.08	0.08%
2014-01-03	0.08	0.08%
2014-01-06	0.08	0.08%
2014-01-07	0.07	0.07%
2014-01-08	0.07	0.07%
2014-01-09	0.07	0.07%
2014-01-10	0.07	0.07%
2014-01-13	0.07	0.07%
2014-01-14	0.07	0.07%
2014-01-15	0.07	0.07%
2014-01-16	0.07	0.07%
2014-01-17	0.07	0.07%
2014-01-20	#N/A	0.07%
2014-01-21	0.07	0.07%
2014-01-22	0.07	0.07%
2014-01-23	0.07	0.07%
2014-01-24	0.07	0.07%
2014-01-27	0.07	0.07%
2014-01-28	0.07	0.07%
2014-01-29	0.07	0.07%
2014-01-30	0.07	0.07%
2014-01-31	0.07	0.07%
2014-02-03	0.07	0.07%
2014-02-04	0.07	0.07%
2014-02-05	0.07	0.07%
2014-02-06	0.07	0.07%
2014-02-07	0.06	0.06%
2014-02-10	0.07	0.07%
2014-02-11	0.06	0.06%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2014-02-12	0.07	0.07%
2014-02-13	0.06	0.06%
2014-02-14	0.06	0.06%
2014-02-17	#N/A	0.06%
2014-02-18	0.07	0.07%
2014-02-19	0.07	0.07%
2014-02-20	0.07	0.07%
2014-02-21	0.07	0.07%
2014-02-24	0.07	0.07%
2014-02-25	0.07	0.07%
2014-02-26	0.07	0.07%
2014-02-27	0.07	0.07%
2014-02-28	0.06	0.06%
2014-03-03	0.07	0.07%
2014-03-04	0.07	0.07%
2014-03-05	0.08	0.08%
2014-03-06	0.08	0.08%
2014-03-07	0.08	0.08%
2014-03-10	0.08	0.08%
2014-03-11	0.08	0.08%
2014-03-12	0.08	0.08%
2014-03-13	0.08	0.08%
2014-03-14	0.08	0.08%
2014-03-17	0.08	0.08%
2014-03-18	0.08	0.08%
2014-03-19	0.08	0.08%
2014-03-20	0.08	0.08%
2014-03-21	0.08	0.08%
2014-03-24	0.09	0.09%
2014-03-25	0.09	0.09%
2014-03-26	0.08	0.08%
2014-03-27	0.08	0.08%
2014-03-28	0.08	0.08%
2014-03-31	0.06	0.06%
2014-04-01	0.08	0.08%
2014-04-02	0.09	0.09%
2014-04-03	0.08	0.08%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2014-04-04	0.08	0.08%
2014-04-07	0.09	0.09%
2014-04-08	0.08	0.08%
2014-04-09	0.08	0.08%
2014-04-10	0.08	0.08%
2014-04-11	0.09	0.09%
2014-04-14	0.09	0.09%
2014-04-15	0.10	0.10%
2014-04-16	0.09	0.09%
2014-04-17	0.09	0.09%
2014-04-18	0.10	0.10%
2014-04-21	0.10	0.10%
2014-04-22	0.10	0.10%
2014-04-23	0.10	0.10%
2014-04-24	0.10	0.10%
2014-04-25	0.09	0.09%
2014-04-28	0.09	0.09%
2014-04-29	0.10	0.10%
2014-04-30	0.09	0.09%
2014-05-01	0.09	0.09%
2014-05-02	0.09	0.09%
2014-05-05	0.09	0.09%
2014-05-06	0.09	0.09%
2014-05-07	0.08	0.08%
2014-05-08	0.08	0.08%
2014-05-09	0.08	0.08%
2014-05-12	0.08	0.08%
2014-05-13	0.09	0.09%
2014-05-14	0.08	0.08%
2014-05-15	0.09	0.09%
2014-05-16	0.09	0.09%
2014-05-19	0.09	0.09%
2014-05-20	0.09	0.09%
2014-05-21	0.09	0.09%
2014-05-22	0.09	0.09%
2014-05-23	0.09	0.09%
2014-05-26	#N/A	0.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2014-05-27	0.09	0.09%
2014-05-28	0.09	0.09%
2014-05-29	0.09	0.09%
2014-05-30	0.08	0.08%
2014-06-02	0.09	0.09%
2014-06-03	0.10	0.10%
2014-06-04	0.09	0.09%
2014-06-05	0.09	0.09%
2014-06-06	0.09	0.09%
2014-06-09	0.09	0.09%
2014-06-10	0.09	0.09%
2014-06-11	0.09	0.09%
2014-06-12	0.09	0.09%
2014-06-13	0.10	0.10%
2014-06-16	0.10	0.10%
2014-06-17	0.10	0.10%
2014-06-18	0.10	0.10%
2014-06-19	0.10	0.10%
2014-06-20	0.10	0.10%
2014-06-23	0.10	0.10%
2014-06-24	0.10	0.10%
2014-06-25	0.10	0.10%
2014-06-26	0.10	0.10%
2014-06-27	0.10	0.10%
2014-06-30	0.09	0.09%
2014-07-01	0.10	0.10%
2014-07-02	0.10	0.10%
2014-07-03	0.09	0.09%
2014-07-04	#N/A	0.09%
2014-07-07	0.10	0.10%
2014-07-08	0.09	0.09%
2014-07-09	0.09	0.09%
2014-07-10	0.09	0.09%
2014-07-11	0.09	0.09%
2014-07-14	0.09	0.09%
2014-07-15	0.09	0.09%
2014-07-16	0.09	0.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2014-07-17	0.09	0.09%
2014-07-18	0.09	0.09%
2014-07-21	0.10	0.10%
2014-07-22	0.09	0.09%
2014-07-23	0.09	0.09%
2014-07-24	0.09	0.09%
2014-07-25	0.09	0.09%
2014-07-28	0.09	0.09%
2014-07-29	0.09	0.09%
2014-07-30	0.09	0.09%
2014-07-31	0.08	0.08%
2014-08-01	0.09	0.09%
2014-08-04	0.09	0.09%
2014-08-05	0.09	0.09%
2014-08-06	0.09	0.09%
2014-08-07	0.09	0.09%
2014-08-08	0.09	0.09%
2014-08-11	0.09	0.09%
2014-08-12	0.09	0.09%
2014-08-13	0.09	0.09%
2014-08-14	0.09	0.09%
2014-08-15	0.09	0.09%
2014-08-18	0.09	0.09%
2014-08-19	0.09	0.09%
2014-08-20	0.09	0.09%
2014-08-21	0.09	0.09%
2014-08-22	0.09	0.09%
2014-08-25	0.09	0.09%
2014-08-26	0.09	0.09%
2014-08-27	0.09	0.09%
2014-08-28	0.09	0.09%
2014-08-29	0.07	0.07%
2014-09-01	#N/A	0.07%
2014-09-02	0.09	0.09%
2014-09-03	0.09	0.09%
2014-09-04	0.09	0.09%
2014-09-05	0.09	0.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2014-09-08	0.09	0.09%
2014-09-09	0.09	0.09%
2014-09-10	0.09	0.09%
2014-09-11	0.09	0.09%
2014-09-12	0.09	0.09%
2014-09-15	0.09	0.09%
2014-09-16	0.09	0.09%
2014-09-17	0.09	0.09%
2014-09-18	0.09	0.09%
2014-09-19	0.09	0.09%
2014-09-22	0.09	0.09%
2014-09-23	0.09	0.09%
2014-09-24	0.09	0.09%
2014-09-25	0.09	0.09%
2014-09-26	0.09	0.09%
2014-09-29	0.08	0.08%
2014-09-30	0.07	0.07%
2014-10-01	0.09	0.09%
2014-10-02	0.09	0.09%
2014-10-03	0.09	0.09%
2014-10-06	0.09	0.09%
2014-10-07	0.09	0.09%
2014-10-08	0.09	0.09%
2014-10-09	0.08	0.08%
2014-10-10	0.09	0.09%
2014-10-13	#N/A	0.09%
2014-10-14	0.09	0.09%
2014-10-15	0.09	0.09%
2014-10-16	0.09	0.09%
2014-10-17	0.09	0.09%
2014-10-20	0.09	0.09%
2014-10-21	0.09	0.09%
2014-10-22	0.09	0.09%
2014-10-23	0.09	0.09%
2014-10-24	0.09	0.09%
2014-10-27	0.09	0.09%
2014-10-28	0.09	0.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2014-10-29	0.09	0.09%
2014-10-30	0.09	0.09%
2014-10-31	0.07	0.07%
2014-11-03	0.09	0.09%
2014-11-04	0.10	0.10%
2014-11-05	0.09	0.09%
2014-11-06	0.09	0.09%
2014-11-07	0.09	0.09%
2014-11-10	0.09	0.09%
2014-11-11	#N/A	0.09%
2014-11-12	0.09	0.09%
2014-11-13	0.09	0.09%
2014-11-14	0.09	0.09%
2014-11-17	0.10	0.10%
2014-11-18	0.11	0.11%
2014-11-19	0.10	0.10%
2014-11-20	0.10	0.10%
2014-11-21	0.10	0.10%
2014-11-24	0.10	0.10%
2014-11-25	0.10	0.10%
2014-11-26	0.10	0.10%
2014-11-27	#N/A	0.10%
2014-11-28	0.08	0.08%
2014-12-01	0.13	0.13%
2014-12-02	0.12	0.12%
2014-12-03	0.12	0.12%
2014-12-04	0.12	0.12%
2014-12-05	0.12	0.12%
2014-12-08	0.12	0.12%
2014-12-09	0.12	0.12%
2014-12-10	0.12	0.12%
2014-12-11	0.12	0.12%
2014-12-12	0.12	0.12%
2014-12-15	0.11	0.11%
2014-12-16	0.12	0.12%
2014-12-17	0.13	0.13%
2014-12-18	0.13	0.13%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2014-12-19	0.13	0.13%
2014-12-22	0.13	0.13%
2014-12-23	0.13	0.13%
2014-12-24	0.13	0.13%
2014-12-25	#N/A	0.13%
2014-12-26	0.13	0.13%
2014-12-29	0.13	0.13%
2014-12-30	0.13	0.13%
2014-12-31	0.06	0.06%
2015-01-01	#N/A	0.06%
2015-01-02	0.12	0.12%
2015-01-05	0.12	0.12%
2015-01-06	0.12	0.12%
2015-01-07	0.12	0.12%
2015-01-08	0.12	0.12%
2015-01-09	0.12	0.12%
2015-01-12	0.12	0.12%
2015-01-13	0.12	0.12%
2015-01-14	0.12	0.12%
2015-01-15	0.12	0.12%
2015-01-16	0.13	0.13%
2015-01-19	#N/A	0.13%
2015-01-20	0.12	0.12%
2015-01-21	0.12	0.12%
2015-01-22	0.12	0.12%
2015-01-23	0.12	0.12%
2015-01-26	0.12	0.12%
2015-01-27	0.11	0.11%
2015-01-28	0.12	0.12%
2015-01-29	0.11	0.11%
2015-01-30	0.06	0.06%
2015-02-02	0.12	0.12%
2015-02-03	0.12	0.12%
2015-02-04	0.11	0.11%
2015-02-05	0.12	0.12%
2015-02-06	0.11	0.11%
2015-02-09	0.12	0.12%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2015-02-10	0.12	0.12%
2015-02-11	0.12	0.12%
2015-02-12	0.12	0.12%
2015-02-13	0.12	0.12%
2015-02-16	#N/A	0.12%
2015-02-17	0.12	0.12%
2015-02-18	0.12	0.12%
2015-02-19	0.12	0.12%
2015-02-20	0.12	0.12%
2015-02-23	0.11	0.11%
2015-02-24	0.11	0.11%
2015-02-25	0.11	0.11%
2015-02-26	0.11	0.11%
2015-02-27	0.06	0.06%
2015-03-02	0.12	0.12%
2015-03-03	0.12	0.12%
2015-03-04	0.11	0.11%
2015-03-05	0.11	0.11%
2015-03-06	0.12	0.12%
2015-03-09	0.12	0.12%
2015-03-10	0.12	0.12%
2015-03-11	0.11	0.11%
2015-03-12	0.11	0.11%
2015-03-13	0.11	0.11%
2015-03-16	0.12	0.12%
2015-03-17	0.12	0.12%
2015-03-18	0.11	0.11%
2015-03-19	0.12	0.12%
2015-03-20	0.12	0.12%
2015-03-23	0.12	0.12%
2015-03-24	0.11	0.11%
2015-03-25	0.12	0.12%
2015-03-26	0.11	0.11%
2015-03-27	0.12	0.12%
2015-03-30	0.12	0.12%
2015-03-31	0.06	0.06%
2015-04-01	0.12	0.12%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2015-04-02	0.12	0.12%
2015-04-03	0.12	0.12%
2015-04-06	0.13	0.13%
2015-04-07	0.12	0.12%
2015-04-08	0.12	0.12%
2015-04-09	0.12	0.12%
2015-04-10	0.12	0.12%
2015-04-13	0.13	0.13%
2015-04-14	0.13	0.13%
2015-04-15	0.13	0.13%
2015-04-16	0.13	0.13%
2015-04-17	0.13	0.13%
2015-04-20	0.13	0.13%
2015-04-21	0.13	0.13%
2015-04-22	0.13	0.13%
2015-04-23	0.13	0.13%
2015-04-24	0.13	0.13%
2015-04-27	0.13	0.13%
2015-04-28	0.13	0.13%
2015-04-29	0.13	0.13%
2015-04-30	0.08	0.08%
2015-05-01	0.13	0.13%
2015-05-04	0.13	0.13%
2015-05-05	0.13	0.13%
2015-05-06	0.13	0.13%
2015-05-07	0.13	0.13%
2015-05-08	0.13	0.13%
2015-05-11	0.13	0.13%
2015-05-12	0.13	0.13%
2015-05-13	0.13	0.13%
2015-05-14	0.13	0.13%
2015-05-15	0.13	0.13%
2015-05-18	0.13	0.13%
2015-05-19	0.12	0.12%
2015-05-20	0.12	0.12%
2015-05-21	0.12	0.12%
2015-05-22	0.13	0.13%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2015-05-25	#N/A	0.13%
2015-05-26	0.12	0.12%
2015-05-27	0.12	0.12%
2015-05-28	0.12	0.12%
2015-05-29	0.08	0.08%
2015-06-01	0.12	0.12%
2015-06-02	0.12	0.12%
2015-06-03	0.13	0.13%
2015-06-04	0.13	0.13%
2015-06-05	0.13	0.13%
2015-06-08	0.13	0.13%
2015-06-09	0.13	0.13%
2015-06-10	0.13	0.13%
2015-06-11	0.13	0.13%
2015-06-12	0.13	0.13%
2015-06-15	0.13	0.13%
2015-06-16	0.14	0.14%
2015-06-17	0.14	0.14%
2015-06-18	0.14	0.14%
2015-06-19	0.13	0.13%
2015-06-22	0.13	0.13%
2015-06-23	0.13	0.13%
2015-06-24	0.13	0.13%
2015-06-25	0.13	0.13%
2015-06-26	0.13	0.13%
2015-06-29	0.14	0.14%
2015-06-30	0.08	0.08%
2015-07-01	0.13	0.13%
2015-07-02	0.13	0.13%
2015-07-03	0.13	0.13%
2015-07-06	0.13	0.13%
2015-07-07	0.13	0.13%
2015-07-08	0.13	0.13%
2015-07-09	0.13	0.13%
2015-07-10	0.13	0.13%
2015-07-13	0.13	0.13%
2015-07-14	0.13	0.13%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2015-07-15	0.13	0.13%
2015-07-16	0.14	0.14%
2015-07-17	0.13	0.13%
2015-07-20	0.14	0.14%
2015-07-21	0.13	0.13%
2015-07-22	0.13	0.13%
2015-07-23	0.13	0.13%
2015-07-24	0.13	0.13%
2015-07-27	0.14	0.14%
2015-07-28	0.14	0.14%
2015-07-29	0.14	0.14%
2015-07-30	0.14	0.14%
2015-07-31	0.08	0.08%
2015-08-03	0.14	0.14%
2015-08-04	0.14	0.14%
2015-08-05	0.14	0.14%
2015-08-06	0.14	0.14%
2015-08-07	0.14	0.14%
2015-08-10	0.14	0.14%
2015-08-11	0.15	0.15%
2015-08-12	0.15	0.15%
2015-08-13	0.15	0.15%
2015-08-14	0.14	0.14%
2015-08-17	0.15	0.15%
2015-08-18	0.15	0.15%
2015-08-19	0.15	0.15%
2015-08-20	0.15	0.15%
2015-08-21	0.15	0.15%
2015-08-24	0.15	0.15%
2015-08-25	0.15	0.15%
2015-08-26	0.14	0.14%
2015-08-27	0.14	0.14%
2015-08-28	0.14	0.14%
2015-08-31	0.08	0.08%
2015-09-01	0.14	0.14%
2015-09-02	0.14	0.14%
2015-09-03	0.14	0.14%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2015-09-04	0.14	0.14%
2015-09-07	#N/A	0.14%
2015-09-08	0.14	0.14%
2015-09-09	0.14	0.14%
2015-09-10	0.14	0.14%
2015-09-11	0.14	0.14%
2015-09-14	0.14	0.14%
2015-09-15	0.14	0.14%
2015-09-16	0.14	0.14%
2015-09-17	0.14	0.14%
2015-09-18	0.14	0.14%
2015-09-21	0.14	0.14%
2015-09-22	0.14	0.14%
2015-09-23	0.14	0.14%
2015-09-24	0.14	0.14%
2015-09-25	0.13	0.13%
2015-09-28	0.13	0.13%
2015-09-29	0.13	0.13%
2015-09-30	0.07	0.07%
2015-10-01	0.13	0.13%
2015-10-02	0.13	0.13%
2015-10-05	0.13	0.13%
2015-10-06	0.13	0.13%
2015-10-07	0.13	0.13%
2015-10-08	0.13	0.13%
2015-10-09	0.13	0.13%
2015-10-12	#N/A	0.13%
2015-10-13	0.13	0.13%
2015-10-14	0.13	0.13%
2015-10-15	0.13	0.13%
2015-10-16	0.13	0.13%
2015-10-19	0.13	0.13%
2015-10-20	0.13	0.13%
2015-10-21	0.13	0.13%
2015-10-22	0.12	0.12%
2015-10-23	0.12	0.12%
2015-10-26	0.12	0.12%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2015-10-27	0.12	0.12%
2015-10-28	0.12	0.12%
2015-10-29	0.12	0.12%
2015-10-30	0.07	0.07%
2015-11-02	0.12	0.12%
2015-11-03	0.12	0.12%
2015-11-04	0.12	0.12%
2015-11-05	0.12	0.12%
2015-11-06	0.12	0.12%
2015-11-09	0.12	0.12%
2015-11-10	0.12	0.12%
2015-11-11	#N/A	0.12%
2015-11-12	0.12	0.12%
2015-11-13	0.12	0.12%
2015-11-16	0.13	0.13%
2015-11-17	0.13	0.13%
2015-11-18	0.12	0.12%
2015-11-19	0.12	0.12%
2015-11-20	0.12	0.12%
2015-11-23	0.12	0.12%
2015-11-24	0.12	0.12%
2015-11-25	0.12	0.12%
2015-11-26	#N/A	0.12%
2015-11-27	0.12	0.12%
2015-11-30	0.08	0.08%
2015-12-01	0.13	0.13%
2015-12-02	0.13	0.13%
2015-12-03	0.13	0.13%
2015-12-04	0.13	0.13%
2015-12-07	0.13	0.13%
2015-12-08	0.13	0.13%
2015-12-09	0.14	0.14%
2015-12-10	0.14	0.14%
2015-12-11	0.14	0.14%
2015-12-14	0.15	0.15%
2015-12-15	0.15	0.15%
2015-12-16	0.15	0.15%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2015-12-17	0.37	0.37%
2015-12-18	0.37	0.37%
2015-12-21	0.36	0.36%
2015-12-22	0.36	0.36%
2015-12-23	0.36	0.36%
2015-12-24	0.36	0.36%
2015-12-25	#N/A	0.36%
2015-12-28	0.36	0.36%
2015-12-29	0.36	0.36%
2015-12-30	0.35	0.35%
2015-12-31	0.20	0.20%
2016-01-01	#N/A	0.20%
2016-01-04	0.36	0.36%
2016-01-05	0.36	0.36%
2016-01-06	0.36	0.36%
2016-01-07	0.36	0.36%
2016-01-08	0.36	0.36%
2016-01-11	0.36	0.36%
2016-01-12	0.36	0.36%
2016-01-13	0.36	0.36%
2016-01-14	0.36	0.36%
2016-01-15	0.36	0.36%
2016-01-18	#N/A	0.36%
2016-01-19	0.36	0.36%
2016-01-20	0.37	0.37%
2016-01-21	0.37	0.37%
2016-01-22	0.38	0.38%
2016-01-25	0.38	0.38%
2016-01-26	0.38	0.38%
2016-01-27	0.38	0.38%
2016-01-28	0.38	0.38%
2016-01-29	0.29	0.29%
2016-02-01	0.38	0.38%
2016-02-02	0.38	0.38%
2016-02-03	0.38	0.38%
2016-02-04	0.38	0.38%
2016-02-05	0.38	0.38%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2016-02-08	0.38	0.38%
2016-02-09	0.38	0.38%
2016-02-10	0.38	0.38%
2016-02-11	0.38	0.38%
2016-02-12	0.38	0.38%
2016-02-15	#N/A	0.38%
2016-02-16	0.38	0.38%
2016-02-17	0.37	0.37%
2016-02-18	0.38	0.38%
2016-02-19	0.38	0.38%
2016-02-22	0.38	0.38%
2016-02-23	0.38	0.38%
2016-02-24	0.38	0.38%
2016-02-25	0.37	0.37%
2016-02-26	0.37	0.37%
2016-02-29	0.29	0.29%
2016-03-01	0.36	0.36%
2016-03-02	0.37	0.37%
2016-03-03	0.37	0.37%
2016-03-04	0.36	0.36%
2016-03-07	0.36	0.36%
2016-03-08	0.36	0.36%
2016-03-09	0.36	0.36%
2016-03-10	0.36	0.36%
2016-03-11	0.36	0.36%
2016-03-14	0.36	0.36%
2016-03-15	0.37	0.37%
2016-03-16	0.37	0.37%
2016-03-17	0.37	0.37%
2016-03-18	0.37	0.37%
2016-03-21	0.37	0.37%
2016-03-22	0.37	0.37%
2016-03-23	0.37	0.37%
2016-03-24	0.37	0.37%
2016-03-25	0.37	0.37%
2016-03-28	0.37	0.37%
2016-03-29	0.37	0.37%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2016-03-30	0.37	0.37%
2016-03-31	0.25	0.25%
2016-04-01	0.37	0.37%
2016-04-04	0.37	0.37%
2016-04-05	0.37	0.37%
2016-04-06	0.37	0.37%
2016-04-07	0.37	0.37%
2016-04-08	0.37	0.37%
2016-04-11	0.37	0.37%
2016-04-12	0.37	0.37%
2016-04-13	0.37	0.37%
2016-04-14	0.37	0.37%
2016-04-15	0.37	0.37%
2016-04-18	0.37	0.37%
2016-04-19	0.37	0.37%
2016-04-20	0.37	0.37%
2016-04-21	0.37	0.37%
2016-04-22	0.37	0.37%
2016-04-25	0.37	0.37%
2016-04-26	0.37	0.37%
2016-04-27	0.37	0.37%
2016-04-28	0.37	0.37%
2016-04-29	0.30	0.30%
2016-05-02	0.37	0.37%
2016-05-03	0.37	0.37%
2016-05-04	0.37	0.37%
2016-05-05	0.37	0.37%
2016-05-06	0.37	0.37%
2016-05-09	0.37	0.37%
2016-05-10	0.37	0.37%
2016-05-11	0.37	0.37%
2016-05-12	0.37	0.37%
2016-05-13	0.37	0.37%
2016-05-16	0.37	0.37%
2016-05-17	0.37	0.37%
2016-05-18	0.37	0.37%
2016-05-19	0.37	0.37%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2016-05-20	0.37	0.37%
2016-05-23	0.37	0.37%
2016-05-24	0.37	0.37%
2016-05-25	0.37	0.37%
2016-05-26	0.37	0.37%
2016-05-27	0.37	0.37%
2016-05-30	#N/A	0.37%
2016-05-31	0.29	0.29%
2016-06-01	0.37	0.37%
2016-06-02	0.37	0.37%
2016-06-03	0.37	0.37%
2016-06-06	0.37	0.37%
2016-06-07	0.37	0.37%
2016-06-08	0.37	0.37%
2016-06-09	0.37	0.37%
2016-06-10	0.37	0.37%
2016-06-13	0.37	0.37%
2016-06-14	0.37	0.37%
2016-06-15	0.37	0.37%
2016-06-16	0.38	0.38%
2016-06-17	0.38	0.38%
2016-06-20	0.38	0.38%
2016-06-21	0.38	0.38%
2016-06-22	0.38	0.38%
2016-06-23	0.39	0.39%
2016-06-24	0.40	0.40%
2016-06-27	0.41	0.41%
2016-06-28	0.41	0.41%
2016-06-29	0.41	0.41%
2016-06-30	0.30	0.30%
2016-07-01	0.41	0.41%
2016-07-04	#N/A	0.41%
2016-07-05	0.40	0.40%
2016-07-06	0.40	0.40%
2016-07-07	0.40	0.40%
2016-07-08	0.40	0.40%
2016-07-11	0.40	0.40%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2016-07-12	0.40	0.40%
2016-07-13	0.40	0.40%
2016-07-14	0.40	0.40%
2016-07-15	0.40	0.40%
2016-07-18	0.40	0.40%
2016-07-19	0.40	0.40%
2016-07-20	0.40	0.40%
2016-07-21	0.40	0.40%
2016-07-22	0.40	0.40%
2016-07-25	0.40	0.40%
2016-07-26	0.40	0.40%
2016-07-27	0.40	0.40%
2016-07-28	0.40	0.40%
2016-07-29	0.30	0.30%
2016-08-01	0.40	0.40%
2016-08-02	0.40	0.40%
2016-08-03	0.40	0.40%
2016-08-04	0.40	0.40%
2016-08-05	0.40	0.40%
2016-08-08	0.40	0.40%
2016-08-09	0.40	0.40%
2016-08-10	0.40	0.40%
2016-08-11	0.40	0.40%
2016-08-12	0.40	0.40%
2016-08-15	0.40	0.40%
2016-08-16	0.40	0.40%
2016-08-17	0.40	0.40%
2016-08-18	0.40	0.40%
2016-08-19	0.40	0.40%
2016-08-22	0.40	0.40%
2016-08-23	0.40	0.40%
2016-08-24	0.40	0.40%
2016-08-25	0.40	0.40%
2016-08-26	0.40	0.40%
2016-08-29	0.40	0.40%
2016-08-30	0.40	0.40%
2016-08-31	0.30	0.30%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2016-09-01	0.40	0.40%
2016-09-02	0.40	0.40%
2016-09-05	#N/A	0.40%
2016-09-06	0.40	0.40%
2016-09-07	0.40	0.40%
2016-09-08	0.40	0.40%
2016-09-09	0.40	0.40%
2016-09-12	0.40	0.40%
2016-09-13	0.40	0.40%
2016-09-14	0.40	0.40%
2016-09-15	0.40	0.40%
2016-09-16	0.40	0.40%
2016-09-19	0.40	0.40%
2016-09-20	0.40	0.40%
2016-09-21	0.40	0.40%
2016-09-22	0.40	0.40%
2016-09-23	0.40	0.40%
2016-09-26	0.40	0.40%
2016-09-27	0.40	0.40%
2016-09-28	0.40	0.40%
2016-09-29	0.40	0.40%
2016-09-30	0.29	0.29%
2016-10-03	0.40	0.40%
2016-10-04	0.40	0.40%
2016-10-05	0.40	0.40%
2016-10-06	0.40	0.40%
2016-10-07	0.40	0.40%
2016-10-10	#N/A	0.40%
2016-10-11	0.41	0.41%
2016-10-12	0.41	0.41%
2016-10-13	0.41	0.41%
2016-10-14	0.41	0.41%
2016-10-17	0.41	0.41%
2016-10-18	0.41	0.41%
2016-10-19	0.41	0.41%
2016-10-20	0.41	0.41%
2016-10-21	0.41	0.41%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2016-10-24	0.41	0.41%
2016-10-25	0.41	0.41%
2016-10-26	0.41	0.41%
2016-10-27	0.41	0.41%
2016-10-28	0.41	0.41%
2016-10-31	0.31	0.31%
2016-11-01	0.41	0.41%
2016-11-02	0.41	0.41%
2016-11-03	0.41	0.41%
2016-11-04	0.41	0.41%
2016-11-07	0.41	0.41%
2016-11-08	0.41	0.41%
2016-11-09	0.41	0.41%
2016-11-10	0.41	0.41%
2016-11-11	#N/A	0.41%
2016-11-14	0.41	0.41%
2016-11-15	0.41	0.41%
2016-11-16	0.41	0.41%
2016-11-17	0.41	0.41%
2016-11-18	0.41	0.41%
2016-11-21	0.41	0.41%
2016-11-22	0.41	0.41%
2016-11-23	0.41	0.41%
2016-11-24	#N/A	0.41%
2016-11-25	0.41	0.41%
2016-11-28	0.41	0.41%
2016-11-29	0.41	0.41%
2016-11-30	0.31	0.31%
2016-12-01	0.41	0.41%
2016-12-02	0.41	0.41%
2016-12-05	0.41	0.41%
2016-12-06	0.41	0.41%
2016-12-07	0.41	0.41%
2016-12-08	0.41	0.41%
2016-12-09	0.41	0.41%
2016-12-12	0.41	0.41%
2016-12-13	0.41	0.41%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2016-12-14	0.41	0.41%
2016-12-15	0.66	0.66%
2016-12-16	0.66	0.66%
2016-12-19	0.66	0.66%
2016-12-20	0.66	0.66%
2016-12-21	0.66	0.66%
2016-12-22	0.66	0.66%
2016-12-23	0.66	0.66%
2016-12-26	#N/A	0.66%
2016-12-27	0.66	0.66%
2016-12-28	0.66	0.66%
2016-12-29	0.66	0.66%
2016-12-30	0.55	0.55%
2017-01-02	#N/A	0.55%
2017-01-03	0.66	0.66%
2017-01-04	0.66	0.66%
2017-01-05	0.66	0.66%
2017-01-06	0.66	0.66%
2017-01-09	0.66	0.66%
2017-01-10	0.66	0.66%
2017-01-11	0.66	0.66%
2017-01-12	0.66	0.66%
2017-01-13	0.66	0.66%
2017-01-16	#N/A	0.66%
2017-01-17	0.66	0.66%
2017-01-18	0.66	0.66%
2017-01-19	0.66	0.66%
2017-01-20	0.66	0.66%
2017-01-23	0.66	0.66%
2017-01-24	0.66	0.66%
2017-01-25	0.66	0.66%
2017-01-26	0.66	0.66%
2017-01-27	0.66	0.66%
2017-01-30	0.66	0.66%
2017-01-31	0.56	0.56%
2017-02-01	0.66	0.66%
2017-02-02	0.66	0.66%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2017-02-03	0.66	0.66%
2017-02-06	0.66	0.66%
2017-02-07	0.66	0.66%
2017-02-08	0.66	0.66%
2017-02-09	0.66	0.66%
2017-02-10	0.66	0.66%
2017-02-13	0.66	0.66%
2017-02-14	0.66	0.66%
2017-02-15	0.66	0.66%
2017-02-16	0.66	0.66%
2017-02-17	0.66	0.66%
2017-02-20	#N/A	0.66%
2017-02-21	0.66	0.66%
2017-02-22	0.66	0.66%
2017-02-23	0.66	0.66%
2017-02-24	0.66	0.66%
2017-02-27	0.66	0.66%
2017-02-28	0.57	0.57%
2017-03-01	0.66	0.66%
2017-03-02	0.66	0.66%
2017-03-03	0.66	0.66%
2017-03-06	0.66	0.66%
2017-03-07	0.66	0.66%
2017-03-08	0.66	0.66%
2017-03-09	0.66	0.66%
2017-03-10	0.66	0.66%
2017-03-13	0.66	0.66%
2017-03-14	0.66	0.66%
2017-03-15	0.66	0.66%
2017-03-16	0.91	0.91%
2017-03-17	0.91	0.91%
2017-03-20	0.91	0.91%
2017-03-21	0.91	0.91%
2017-03-22	0.91	0.91%
2017-03-23	0.91	0.91%
2017-03-24	0.91	0.91%
2017-03-27	0.91	0.91%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2017-03-28	0.91	0.91%
2017-03-29	0.91	0.91%
2017-03-30	0.91	0.91%
2017-03-31	0.82	0.82%
2017-04-03	0.91	0.91%
2017-04-04	0.91	0.91%
2017-04-05	0.91	0.91%
2017-04-06	0.91	0.91%
2017-04-07	0.91	0.91%
2017-04-10	0.91	0.91%
2017-04-11	0.91	0.91%
2017-04-12	0.91	0.91%
2017-04-13	0.91	0.91%
2017-04-14	0.91	0.91%
2017-04-17	0.91	0.91%
2017-04-18	0.91	0.91%
2017-04-19	0.91	0.91%
2017-04-20	0.91	0.91%
2017-04-21	0.91	0.91%
2017-04-24	0.91	0.91%
2017-04-25	0.91	0.91%
2017-04-26	0.91	0.91%
2017-04-27	0.91	0.91%
2017-04-28	0.83	0.83%
2017-05-01	0.91	0.91%
2017-05-02	0.91	0.91%
2017-05-03	0.91	0.91%
2017-05-04	0.91	0.91%
2017-05-05	0.91	0.91%
2017-05-08	0.91	0.91%
2017-05-09	0.91	0.91%
2017-05-10	0.91	0.91%
2017-05-11	0.91	0.91%
2017-05-12	0.91	0.91%
2017-05-15	0.91	0.91%
2017-05-16	0.91	0.91%
2017-05-17	0.91	0.91%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2017-05-18	0.91	0.91%
2017-05-19	0.91	0.91%
2017-05-22	0.91	0.91%
2017-05-23	0.91	0.91%
2017-05-24	0.91	0.91%
2017-05-25	0.91	0.91%
2017-05-26	0.91	0.91%
2017-05-29	#N/A	0.91%
2017-05-30	0.91	0.91%
2017-05-31	0.83	0.83%
2017-06-01	0.91	0.91%
2017-06-02	0.91	0.91%
2017-06-05	0.91	0.91%
2017-06-06	0.91	0.91%
2017-06-07	0.91	0.91%
2017-06-08	0.91	0.91%
2017-06-09	0.91	0.91%
2017-06-12	0.91	0.91%
2017-06-13	0.91	0.91%
2017-06-14	0.91	0.91%
2017-06-15	1.16	1.16%
2017-06-16	1.16	1.16%
2017-06-19	1.16	1.16%
2017-06-20	1.16	1.16%
2017-06-21	1.16	1.16%
2017-06-22	1.16	1.16%
2017-06-23	1.16	1.16%
2017-06-26	1.16	1.16%
2017-06-27	1.16	1.16%
2017-06-28	1.16	1.16%
2017-06-29	1.16	1.16%
2017-06-30	1.06	1.06%
2017-07-03	1.16	1.16%
2017-07-04	#N/A	1.16%
2017-07-05	1.16	1.16%
2017-07-06	1.16	1.16%
2017-07-07	1.16	1.16%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2017-07-10	1.16	1.16%
2017-07-11	1.16	1.16%
2017-07-12	1.16	1.16%
2017-07-13	1.16	1.16%
2017-07-14	1.16	1.16%
2017-07-17	1.16	1.16%
2017-07-18	1.16	1.16%
2017-07-19	1.16	1.16%
2017-07-20	1.16	1.16%
2017-07-21	1.16	1.16%
2017-07-24	1.16	1.16%
2017-07-25	1.16	1.16%
2017-07-26	1.16	1.16%
2017-07-27	1.16	1.16%
2017-07-28	1.16	1.16%
2017-07-31	1.07	1.07%
2017-08-01	1.16	1.16%
2017-08-02	1.16	1.16%
2017-08-03	1.16	1.16%
2017-08-04	1.16	1.16%
2017-08-07	1.16	1.16%
2017-08-08	1.16	1.16%
2017-08-09	1.16	1.16%
2017-08-10	1.16	1.16%
2017-08-11	1.16	1.16%
2017-08-14	1.16	1.16%
2017-08-15	1.16	1.16%
2017-08-16	1.16	1.16%
2017-08-17	1.16	1.16%
2017-08-18	1.16	1.16%
2017-08-21	1.16	1.16%
2017-08-22	1.16	1.16%
2017-08-23	1.16	1.16%
2017-08-24	1.16	1.16%
2017-08-25	1.16	1.16%
2017-08-28	1.16	1.16%
2017-08-29	1.16	1.16%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2017-08-30	1.16	1.16%
2017-08-31	1.07	1.07%
2017-09-01	1.16	1.16%
2017-09-04	#N/A	1.16%
2017-09-05	1.16	1.16%
2017-09-06	1.16	1.16%
2017-09-07	1.16	1.16%
2017-09-08	1.16	1.16%
2017-09-11	1.16	1.16%
2017-09-12	1.16	1.16%
2017-09-13	1.16	1.16%
2017-09-14	1.16	1.16%
2017-09-15	1.16	1.16%
2017-09-18	1.16	1.16%
2017-09-19	1.16	1.16%
2017-09-20	1.16	1.16%
2017-09-21	1.16	1.16%
2017-09-22	1.16	1.16%
2017-09-25	1.16	1.16%
2017-09-26	1.16	1.16%
2017-09-27	1.16	1.16%
2017-09-28	1.16	1.16%
2017-09-29	1.06	1.06%
2017-10-02	1.16	1.16%
2017-10-03	1.16	1.16%
2017-10-04	1.16	1.16%
2017-10-05	1.16	1.16%
2017-10-06	1.16	1.16%
2017-10-09	#N/A	1.16%
2017-10-10	1.16	1.16%
2017-10-11	1.16	1.16%
2017-10-12	1.16	1.16%
2017-10-13	1.16	1.16%
2017-10-16	1.16	1.16%
2017-10-17	1.16	1.16%
2017-10-18	1.16	1.16%
2017-10-19	1.16	1.16%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2017-10-20	1.16	1.16%
2017-10-23	1.16	1.16%
2017-10-24	1.16	1.16%
2017-10-25	1.16	1.16%
2017-10-26	1.16	1.16%
2017-10-27	1.16	1.16%
2017-10-30	1.16	1.16%
2017-10-31	1.07	1.07%
2017-11-01	1.16	1.16%
2017-11-02	1.16	1.16%
2017-11-03	1.16	1.16%
2017-11-06	1.16	1.16%
2017-11-07	1.16	1.16%
2017-11-08	1.16	1.16%
2017-11-09	1.16	1.16%
2017-11-10	1.16	1.16%
2017-11-13	1.16	1.16%
2017-11-14	1.16	1.16%
2017-11-15	1.16	1.16%
2017-11-16	1.16	1.16%
2017-11-17	1.16	1.16%
2017-11-20	1.16	1.16%
2017-11-21	1.16	1.16%
2017-11-22	1.16	1.16%
2017-11-23	#N/A	1.16%
2017-11-24	1.16	1.16%
2017-11-27	1.16	1.16%
2017-11-28	1.16	1.16%
2017-11-29	1.16	1.16%
2017-11-30	1.07	1.07%
2017-12-01	1.16	1.16%
2017-12-04	1.16	1.16%
2017-12-05	1.16	1.16%
2017-12-06	1.16	1.16%
2017-12-07	1.16	1.16%
2017-12-08	1.16	1.16%
2017-12-11	1.16	1.16%

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Federal Reserve Economic Data
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Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2017-12-12	1.17	1.17%
2017-12-13	1.17	1.17%
2017-12-14	1.41	1.41%
2017-12-15	1.41	1.41%
2017-12-18	1.42	1.42%
2017-12-19	1.42	1.42%
2017-12-20	1.42	1.42%
2017-12-21	1.42	1.42%
2017-12-22	1.42	1.42%
2017-12-25	#N/A	1.42%
2017-12-26	1.42	1.42%
2017-12-27	1.42	1.42%
2017-12-28	1.42	1.42%
2017-12-29	1.33	1.33%
2018-01-01	#N/A	1.33%
2018-01-02	1.42	1.42%
2018-01-03	1.42	1.42%
2018-01-04	1.42	1.42%
2018-01-05	1.42	1.42%
2018-01-08	1.42	1.42%
2018-01-09	1.42	1.42%
2018-01-10	1.42	1.42%
2018-01-11	1.42	1.42%
2018-01-12	1.42	1.42%
2018-01-15	#N/A	1.42%
2018-01-16	1.42	1.42%
2018-01-17	1.42	1.42%
2018-01-18	1.42	1.42%
2018-01-19	1.42	1.42%
2018-01-22	1.42	1.42%
2018-01-23	1.42	1.42%
2018-01-24	1.42	1.42%
2018-01-25	1.42	1.42%
2018-01-26	1.42	1.42%
2018-01-29	1.42	1.42%
2018-01-30	1.42	1.42%
2018-01-31	1.34	1.34%

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Federal Reserve Economic Data
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Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2018-02-01	1.42	1.42%
2018-02-02	1.42	1.42%
2018-02-05	1.42	1.42%
2018-02-06	1.42	1.42%
2018-02-07	1.42	1.42%
2018-02-08	1.42	1.42%
2018-02-09	1.42	1.42%
2018-02-12	1.42	1.42%
2018-02-13	1.42	1.42%
2018-02-14	1.42	1.42%
2018-02-15	1.42	1.42%
2018-02-16	1.42	1.42%
2018-02-19	#N/A	1.42%
2018-02-20	1.42	1.42%
2018-02-21	1.42	1.42%
2018-02-22	1.42	1.42%
2018-02-23	1.42	1.42%
2018-02-26	1.42	1.42%
2018-02-27	1.42	1.42%
2018-02-28	1.35	1.35%
2018-03-01	1.42	1.42%
2018-03-02	1.42	1.42%
2018-03-05	1.42	1.42%
2018-03-06	1.42	1.42%
2018-03-07	1.42	1.42%
2018-03-08	1.42	1.42%
2018-03-09	1.42	1.42%
2018-03-12	1.42	1.42%
2018-03-13	1.42	1.42%
2018-03-14	1.42	1.42%
2018-03-15	1.43	1.43%
2018-03-16	1.43	1.43%
2018-03-19	1.43	1.43%
2018-03-20	1.44	1.44%
2018-03-21	1.44	1.44%
2018-03-22	1.68	1.68%
2018-03-23	1.68	1.68%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2018-03-26	1.68	1.68%
2018-03-27	1.68	1.68%
2018-03-28	1.68	1.68%
2018-03-29	1.68	1.68%
2018-03-30	1.67	1.67%
2018-04-02	1.68	1.68%
2018-04-03	1.69	1.69%
2018-04-04	1.69	1.69%
2018-04-05	1.69	1.69%
2018-04-06	1.69	1.69%
2018-04-09	1.69	1.69%
2018-04-10	1.69	1.69%
2018-04-11	1.69	1.69%
2018-04-12	1.69	1.69%
2018-04-13	1.69	1.69%
2018-04-16	1.69	1.69%
2018-04-17	1.69	1.69%
2018-04-18	1.69	1.69%
2018-04-19	1.69	1.69%
2018-04-20	1.70	1.70%
2018-04-23	1.70	1.70%
2018-04-24	1.70	1.70%
2018-04-25	1.70	1.70%
2018-04-26	1.70	1.70%
2018-04-27	1.70	1.70%
2018-04-30	1.69	1.69%
2018-05-01	1.70	1.70%
2018-05-02	1.70	1.70%
2018-05-03	1.70	1.70%
2018-05-04	1.70	1.70%
2018-05-07	1.70	1.70%
2018-05-08	1.70	1.70%
2018-05-09	1.70	1.70%
2018-05-10	1.70	1.70%
2018-05-11	1.70	1.70%
2018-05-14	1.70	1.70%
2018-05-15	1.70	1.70%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2018-05-16	1.70	1.70%
2018-05-17	1.70	1.70%
2018-05-18	1.70	1.70%
2018-05-21	1.70	1.70%
2018-05-22	1.70	1.70%
2018-05-23	1.70	1.70%
2018-05-24	1.70	1.70%
2018-05-25	1.70	1.70%
2018-05-28	#N/A	1.70%
2018-05-29	1.70	1.70%
2018-05-30	1.70	1.70%
2018-05-31	1.70	1.70%
2018-06-01	1.70	1.70%
2018-06-04	1.70	1.70%
2018-06-05	1.70	1.70%
2018-06-06	1.70	1.70%
2018-06-07	1.70	1.70%
2018-06-08	1.70	1.70%
2018-06-11	1.70	1.70%
2018-06-12	1.70	1.70%
2018-06-13	1.70	1.70%
2018-06-14	1.90	1.90%
2018-06-15	1.90	1.90%
2018-06-18	1.90	1.90%
2018-06-19	1.91	1.91%
2018-06-20	1.92	1.92%
2018-06-21	1.92	1.92%
2018-06-22	1.92	1.92%
2018-06-25	1.92	1.92%
2018-06-26	1.92	1.92%
2018-06-27	1.91	1.91%
2018-06-28	1.91	1.91%
2018-06-29	1.91	1.91%
2018-07-02	1.91	1.91%
2018-07-03	1.91	1.91%
2018-07-04	#N/A	1.91%
2018-07-05	1.91	1.91%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2018-07-06	1.91	1.91%
2018-07-09	1.91	1.91%
2018-07-10	1.91	1.91%
2018-07-11	1.91	1.91%
2018-07-12	1.91	1.91%
2018-07-13	1.91	1.91%
2018-07-16	1.91	1.91%
2018-07-17	1.91	1.91%
2018-07-18	1.91	1.91%
2018-07-19	1.91	1.91%
2018-07-20	1.91	1.91%
2018-07-23	1.91	1.91%
2018-07-24	1.91	1.91%
2018-07-25	1.91	1.91%
2018-07-26	1.91	1.91%
2018-07-27	1.91	1.91%
2018-07-30	1.91	1.91%
2018-07-31	1.91	1.91%
2018-08-01	1.91	1.91%
2018-08-02	1.91	1.91%
2018-08-03	1.91	1.91%
2018-08-06	1.91	1.91%
2018-08-07	1.91	1.91%
2018-08-08	1.91	1.91%
2018-08-09	1.91	1.91%
2018-08-10	1.91	1.91%
2018-08-13	1.91	1.91%
2018-08-14	1.91	1.91%
2018-08-15	1.91	1.91%
2018-08-16	1.92	1.92%
2018-08-17	1.92	1.92%
2018-08-20	1.92	1.92%
2018-08-21	1.92	1.92%
2018-08-22	1.92	1.92%
2018-08-23	1.92	1.92%
2018-08-24	1.92	1.92%
2018-08-27	1.92	1.92%

FRED Graph Observations
Federal Reserve Economic Data
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Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2018-08-28	1.92	1.92%
2018-08-29	1.92	1.92%
2018-08-30	1.92	1.92%
2018-08-31	1.91	1.91%
2018-09-03	#N/A	1.91%
2018-09-04	1.92	1.92%
2018-09-05	1.92	1.92%
2018-09-06	1.92	1.92%
2018-09-07	1.92	1.92%
2018-09-10	1.92	1.92%
2018-09-11	1.92	1.92%
2018-09-12	1.92	1.92%
2018-09-13	1.92	1.92%
2018-09-14	1.92	1.92%
2018-09-17	1.92	1.92%
2018-09-18	1.92	1.92%
2018-09-19	1.92	1.92%
2018-09-20	1.92	1.92%
2018-09-21	1.92	1.92%
2018-09-24	1.93	1.93%
2018-09-25	1.93	1.93%
2018-09-26	1.93	1.93%
2018-09-27	2.18	2.18%
2018-09-28	2.18	2.18%
2018-10-01	2.18	2.18%
2018-10-02	2.18	2.18%
2018-10-03	2.18	2.18%
2018-10-04	2.18	2.18%
2018-10-05	2.18	2.18%
2018-10-08	#N/A	2.18%
2018-10-09	2.18	2.18%
2018-10-10	2.18	2.18%
2018-10-11	2.18	2.18%
2018-10-12	2.18	2.18%
2018-10-15	2.18	2.18%
2018-10-16	2.18	2.18%
2018-10-17	2.19	2.19%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2018-10-18	2.19	2.19%
2018-10-19	2.19	2.19%
2018-10-22	2.19	2.19%
2018-10-23	2.20	2.20%
2018-10-24	2.20	2.20%
2018-10-25	2.20	2.20%
2018-10-26	2.20	2.20%
2018-10-29	2.20	2.20%
2018-10-30	2.20	2.20%
2018-10-31	2.20	2.20%
2018-11-01	2.20	2.20%
2018-11-02	2.19	2.19%
2018-11-05	2.20	2.20%
2018-11-06	2.20	2.20%
2018-11-07	2.20	2.20%
2018-11-08	2.20	2.20%
2018-11-09	2.19	2.19%
2018-11-12	#N/A	2.19%
2018-11-13	2.20	2.20%
2018-11-14	2.20	2.20%
2018-11-15	2.20	2.20%
2018-11-16	2.20	2.20%
2018-11-19	2.20	2.20%
2018-11-20	2.20	2.20%
2018-11-21	2.20	2.20%
2018-11-22	#N/A	2.20%
2018-11-23	2.20	2.20%
2018-11-26	2.20	2.20%
2018-11-27	2.20	2.20%
2018-11-28	2.20	2.20%
2018-11-29	2.20	2.20%
2018-11-30	2.20	2.20%
2018-12-03	2.19	2.19%
2018-12-04	2.20	2.20%
2018-12-05	2.20	2.20%
2018-12-06	2.20	2.20%
2018-12-07	2.19	2.19%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2018-12-10	2.20	2.20%
2018-12-11	2.19	2.19%
2018-12-12	2.19	2.19%
2018-12-13	2.19	2.19%
2018-12-14	2.19	2.19%
2018-12-17	2.20	2.20%
2018-12-18	2.20	2.20%
2018-12-19	2.20	2.20%
2018-12-20	2.40	2.40%
2018-12-21	2.40	2.40%
2018-12-24	2.40	2.40%
2018-12-25	#N/A	2.40%
2018-12-26	2.40	2.40%
2018-12-27	2.40	2.40%
2018-12-28	2.40	2.40%
2018-12-31	2.40	2.40%
2019-01-01	#N/A	2.40%
2019-01-02	2.40	2.40%
2019-01-03	2.40	2.40%
2019-01-04	2.40	2.40%
2019-01-07	2.40	2.40%
2019-01-08	2.40	2.40%
2019-01-09	2.40	2.40%
2019-01-10	2.40	2.40%
2019-01-11	2.40	2.40%
2019-01-14	2.40	2.40%
2019-01-15	2.40	2.40%
2019-01-16	2.40	2.40%
2019-01-17	2.40	2.40%
2019-01-18	2.40	2.40%
2019-01-21	#N/A	2.40%
2019-01-22	2.40	2.40%
2019-01-23	2.40	2.40%
2019-01-24	2.40	2.40%
2019-01-25	2.40	2.40%
2019-01-28	2.40	2.40%
2019-01-29	2.40	2.40%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2019-01-30	2.40	2.40%
2019-01-31	2.40	2.40%
2019-02-01	2.40	2.40%
2019-02-04	2.40	2.40%
2019-02-05	2.40	2.40%
2019-02-06	2.40	2.40%
2019-02-07	2.40	2.40%
2019-02-08	2.40	2.40%
2019-02-11	2.40	2.40%
2019-02-12	2.40	2.40%
2019-02-13	2.40	2.40%
2019-02-14	2.40	2.40%
2019-02-15	2.40	2.40%
2019-02-18	#N/A	2.40%
2019-02-19	2.40	2.40%
2019-02-20	2.40	2.40%
2019-02-21	2.40	2.40%
2019-02-22	2.40	2.40%
2019-02-25	2.40	2.40%
2019-02-26	2.40	2.40%
2019-02-27	2.40	2.40%
2019-02-28	2.40	2.40%
2019-03-01	2.40	2.40%
2019-03-04	2.40	2.40%
2019-03-05	2.40	2.40%
2019-03-06	2.40	2.40%
2019-03-07	2.40	2.40%
2019-03-08	2.40	2.40%
2019-03-11	2.40	2.40%
2019-03-12	2.40	2.40%
2019-03-13	2.40	2.40%
2019-03-14	2.40	2.40%
2019-03-15	2.40	2.40%
2019-03-18	2.40	2.40%
2019-03-19	2.40	2.40%
2019-03-20	2.41	2.41%
2019-03-21	2.41	2.41%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2019-03-22	2.41	2.41%
2019-03-25	2.40	2.40%
2019-03-26	2.40	2.40%
2019-03-27	2.41	2.41%
2019-03-28	2.41	2.41%
2019-03-29	2.43	2.43%
2019-04-01	2.41	2.41%
2019-04-02	2.41	2.41%
2019-04-03	2.41	2.41%
2019-04-04	2.41	2.41%
2019-04-05	2.41	2.41%
2019-04-08	2.41	2.41%
2019-04-09	2.41	2.41%
2019-04-10	2.41	2.41%
2019-04-11	2.41	2.41%
2019-04-12	2.41	2.41%
2019-04-15	2.41	2.41%
2019-04-16	2.41	2.41%
2019-04-17	2.42	2.42%
2019-04-18	2.43	2.43%
2019-04-19	2.44	2.44%
2019-04-22	2.44	2.44%
2019-04-23	2.44	2.44%
2019-04-24	2.44	2.44%
2019-04-25	2.44	2.44%
2019-04-26	2.44	2.44%
2019-04-29	2.45	2.45%
2019-04-30	2.45	2.45%
2019-05-01	2.45	2.45%
2019-05-02	2.41	2.41%
2019-05-03	2.40	2.40%
2019-05-06	2.40	2.40%
2019-05-07	2.40	2.40%
2019-05-08	2.39	2.39%
2019-05-09	2.38	2.38%
2019-05-10	2.38	2.38%
2019-05-13	2.38	2.38%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2019-05-14	2.38	2.38%
2019-05-15	2.40	2.40%
2019-05-16	2.39	2.39%
2019-05-17	2.39	2.39%
2019-05-20	2.39	2.39%
2019-05-21	2.39	2.39%
2019-05-22	2.38	2.38%
2019-05-23	2.38	2.38%
2019-05-24	2.38	2.38%
2019-05-27	#N/A	2.38%
2019-05-28	2.39	2.39%
2019-05-29	2.39	2.39%
2019-05-30	2.39	2.39%
2019-05-31	2.40	2.40%
2019-06-03	2.38	2.38%
2019-06-04	2.38	2.38%
2019-06-05	2.38	2.38%
2019-06-06	2.37	2.37%
2019-06-07	2.37	2.37%
2019-06-10	2.37	2.37%
2019-06-11	2.37	2.37%
2019-06-12	2.37	2.37%
2019-06-13	2.37	2.37%
2019-06-14	2.36	2.36%
2019-06-17	2.38	2.38%
2019-06-18	2.37	2.37%
2019-06-19	2.37	2.37%
2019-06-20	2.37	2.37%
2019-06-21	2.38	2.38%
2019-06-24	2.38	2.38%
2019-06-25	2.38	2.38%
2019-06-26	2.38	2.38%
2019-06-27	2.38	2.38%
2019-06-28	2.40	2.40%
2019-07-01	2.39	2.39%
2019-07-02	2.40	2.40%
2019-07-03	2.41	2.41%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2019-07-04	#N/A	2.41%
2019-07-05	2.42	2.42%
2019-07-08	2.41	2.41%
2019-07-09	2.41	2.41%
2019-07-10	2.41	2.41%
2019-07-11	2.40	2.40%
2019-07-12	2.38	2.38%
2019-07-15	2.40	2.40%
2019-07-16	2.41	2.41%
2019-07-17	2.41	2.41%
2019-07-18	2.41	2.41%
2019-07-19	2.41	2.41%
2019-07-22	2.40	2.40%
2019-07-23	2.40	2.40%
2019-07-24	2.40	2.40%
2019-07-25	2.40	2.40%
2019-07-26	2.40	2.40%
2019-07-29	2.40	2.40%
2019-07-30	2.39	2.39%
2019-07-31	2.40	2.40%
2019-08-01	2.14	2.14%
2019-08-02	2.14	2.14%
2019-08-05	2.13	2.13%
2019-08-06	2.13	2.13%
2019-08-07	2.12	2.12%
2019-08-08	2.12	2.12%
2019-08-09	2.12	2.12%
2019-08-12	2.12	2.12%
2019-08-13	2.12	2.12%
2019-08-14	2.12	2.12%
2019-08-15	2.13	2.13%
2019-08-16	2.13	2.13%
2019-08-19	2.13	2.13%
2019-08-20	2.13	2.13%
2019-08-21	2.12	2.12%
2019-08-22	2.12	2.12%
2019-08-23	2.12	2.12%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2019-08-26	2.12	2.12%
2019-08-27	2.12	2.12%
2019-08-28	2.12	2.12%
2019-08-29	2.12	2.12%
2019-08-30	2.13	2.13%
2019-09-02	#N/A	2.13%
2019-09-03	2.13	2.13%
2019-09-04	2.13	2.13%
2019-09-05	2.13	2.13%
2019-09-06	2.12	2.12%
2019-09-09	2.13	2.13%
2019-09-10	2.13	2.13%
2019-09-11	2.13	2.13%
2019-09-12	2.13	2.13%
2019-09-13	2.14	2.14%
2019-09-16	2.25	2.25%
2019-09-17	2.30	2.30%
2019-09-18	2.25	2.25%
2019-09-19	1.90	1.90%
2019-09-20	1.90	1.90%
2019-09-23	1.90	1.90%
2019-09-24	1.90	1.90%
2019-09-25	1.90	1.90%
2019-09-26	1.85	1.85%
2019-09-27	1.83	1.83%
2019-09-30	1.90	1.90%
2019-10-01	1.88	1.88%
2019-10-02	1.85	1.85%
2019-10-03	1.83	1.83%
2019-10-04	1.82	1.82%
2019-10-07	1.82	1.82%
2019-10-08	1.82	1.82%
2019-10-09	1.82	1.82%
2019-10-10	1.82	1.82%
2019-10-11	1.82	1.82%
2019-10-14	#N/A	1.82%
2019-10-15	1.90	1.90%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2019-10-16	1.90	1.90%
2019-10-17	1.85	1.85%
2019-10-18	1.85	1.85%
2019-10-21	1.85	1.85%
2019-10-22	1.85	1.85%
2019-10-23	1.85	1.85%
2019-10-24	1.85	1.85%
2019-10-25	1.83	1.83%
2019-10-28	1.83	1.83%
2019-10-29	1.82	1.82%
2019-10-30	1.82	1.82%
2019-10-31	1.58	1.58%
2019-11-01	1.57	1.57%
2019-11-04	1.56	1.56%
2019-11-05	1.56	1.56%
2019-11-06	1.55	1.55%
2019-11-07	1.55	1.55%
2019-11-08	1.55	1.55%
2019-11-11	#N/A	1.55%
2019-11-12	1.55	1.55%
2019-11-13	1.55	1.55%
2019-11-14	1.55	1.55%
2019-11-15	1.55	1.55%
2019-11-18	1.55	1.55%
2019-11-19	1.55	1.55%
2019-11-20	1.55	1.55%
2019-11-21	1.55	1.55%
2019-11-22	1.55	1.55%
2019-11-25	1.55	1.55%
2019-11-26	1.55	1.55%
2019-11-27	1.55	1.55%
2019-11-28	#N/A	1.55%
2019-11-29	1.56	1.56%
2019-12-02	1.56	1.56%
2019-12-03	1.55	1.55%
2019-12-04	1.55	1.55%
2019-12-05	1.55	1.55%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2019-12-06	1.55	1.55%
2019-12-09	1.55	1.55%
2019-12-10	1.55	1.55%
2019-12-11	1.55	1.55%
2019-12-12	1.55	1.55%
2019-12-13	1.55	1.55%
2019-12-16	1.56	1.56%
2019-12-17	1.55	1.55%
2019-12-18	1.55	1.55%
2019-12-19	1.55	1.55%
2019-12-20	1.55	1.55%
2019-12-23	1.55	1.55%
2019-12-24	1.55	1.55%
2019-12-25	#N/A	1.55%
2019-12-26	1.55	1.55%
2019-12-27	1.55	1.55%
2019-12-30	1.55	1.55%
2019-12-31	1.55	1.55%
2020-01-01	#N/A	1.55%
2020-01-02	1.55	1.55%
2020-01-03	1.55	1.55%
2020-01-06	1.55	1.55%
2020-01-07	1.55	1.55%
2020-01-08	1.55	1.55%
2020-01-09	1.55	1.55%
2020-01-10	1.54	1.54%
2020-01-13	1.54	1.54%
2020-01-14	1.54	1.54%
2020-01-15	1.54	1.54%
2020-01-16	1.54	1.54%
2020-01-17	1.55	1.55%
2020-01-20	#N/A	1.55%
2020-01-21	1.55	1.55%
2020-01-22	1.55	1.55%
2020-01-23	1.55	1.55%
2020-01-24	1.55	1.55%
2020-01-27	1.55	1.55%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2020-01-28	1.55	1.55%
2020-01-29	1.55	1.55%
2020-01-30	1.60	1.60%
2020-01-31	1.59	1.59%
2020-02-03	1.59	1.59%
2020-02-04	1.59	1.59%
2020-02-05	1.59	1.59%
2020-02-06	1.59	1.59%
2020-02-07	1.58	1.58%
2020-02-10	1.58	1.58%
2020-02-11	1.58	1.58%
2020-02-12	1.58	1.58%
2020-02-13	1.58	1.58%
2020-02-14	1.58	1.58%
2020-02-17	#N/A	1.58%
2020-02-18	1.59	1.59%
2020-02-19	1.59	1.59%
2020-02-20	1.59	1.59%
2020-02-21	1.58	1.58%
2020-02-24	1.58	1.58%
2020-02-25	1.58	1.58%
2020-02-26	1.58	1.58%
2020-02-27	1.58	1.58%
2020-02-28	1.58	1.58%
2020-03-02	1.59	1.59%
2020-03-03	1.59	1.59%
2020-03-04	1.09	1.09%
2020-03-05	1.09	1.09%
2020-03-06	1.09	1.09%
2020-03-09	1.09	1.09%
2020-03-10	1.09	1.09%
2020-03-11	1.09	1.09%
2020-03-12	1.10	1.10%
2020-03-13	1.10	1.10%
2020-03-16	0.25	0.25%
2020-03-17	0.25	0.25%
2020-03-18	0.25	0.25%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2020-03-19	0.20	0.20%
2020-03-20	0.15	0.15%
2020-03-23	0.15	0.15%
2020-03-24	0.12	0.12%
2020-03-25	0.10	0.10%
2020-03-26	0.10	0.10%
2020-03-27	0.10	0.10%
2020-03-30	0.09	0.09%
2020-03-31	0.08	0.08%
2020-04-01	0.06	0.06%
2020-04-02	0.05	0.05%
2020-04-03	0.05	0.05%
2020-04-06	0.05	0.05%
2020-04-07	0.05	0.05%
2020-04-08	0.05	0.05%
2020-04-09	0.05	0.05%
2020-04-10	0.05	0.05%
2020-04-13	0.05	0.05%
2020-04-14	0.05	0.05%
2020-04-15	0.05	0.05%
2020-04-16	0.05	0.05%
2020-04-17	0.05	0.05%
2020-04-20	0.05	0.05%
2020-04-21	0.05	0.05%
2020-04-22	0.05	0.05%
2020-04-23	0.04	0.04%
2020-04-24	0.05	0.05%
2020-04-27	0.04	0.04%
2020-04-28	0.04	0.04%
2020-04-29	0.04	0.04%
2020-04-30	0.05	0.05%
2020-05-01	0.05	0.05%
2020-05-04	0.05	0.05%
2020-05-05	0.05	0.05%
2020-05-06	0.05	0.05%
2020-05-07	0.05	0.05%
2020-05-08	0.05	0.05%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2020-05-11	0.05	0.05%
2020-05-12	0.05	0.05%
2020-05-13	0.05	0.05%
2020-05-14	0.05	0.05%
2020-05-15	0.05	0.05%
2020-05-18	0.05	0.05%
2020-05-19	0.05	0.05%
2020-05-20	0.05	0.05%
2020-05-21	0.05	0.05%
2020-05-22	0.05	0.05%
2020-05-25	#N/A	0.05%
2020-05-26	0.05	0.05%
2020-05-27	0.05	0.05%
2020-05-28	0.05	0.05%
2020-05-29	0.05	0.05%
2020-06-01	0.05	0.05%
2020-06-02	0.06	0.06%
2020-06-03	0.06	0.06%
2020-06-04	0.06	0.06%
2020-06-05	0.07	0.07%
2020-06-08	0.07	0.07%
2020-06-09	0.07	0.07%
2020-06-10	0.08	0.08%
2020-06-11	0.08	0.08%
2020-06-12	0.08	0.08%
2020-06-15	0.09	0.09%
2020-06-16	0.09	0.09%
2020-06-17	0.09	0.09%
2020-06-18	0.09	0.09%
2020-06-19	0.09	0.09%
2020-06-22	0.08	0.08%
2020-06-23	0.08	0.08%
2020-06-24	0.08	0.08%
2020-06-25	0.08	0.08%
2020-06-26	0.08	0.08%
2020-06-29	0.08	0.08%
2020-06-30	0.08	0.08%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2020-07-01	0.08	0.08%
2020-07-02	0.09	0.09%
2020-07-03	0.09	0.09%
2020-07-06	0.09	0.09%
2020-07-07	0.09	0.09%
2020-07-08	0.09	0.09%
2020-07-09	0.09	0.09%
2020-07-10	0.09	0.09%
2020-07-13	0.09	0.09%
2020-07-14	0.09	0.09%
2020-07-15	0.10	0.10%
2020-07-16	0.10	0.10%
2020-07-17	0.09	0.09%
2020-07-20	0.10	0.10%
2020-07-21	0.10	0.10%
2020-07-22	0.09	0.09%
2020-07-23	0.09	0.09%
2020-07-24	0.09	0.09%
2020-07-27	0.10	0.10%
2020-07-28	0.10	0.10%
2020-07-29	0.10	0.10%
2020-07-30	0.10	0.10%
2020-07-31	0.10	0.10%
2020-08-03	0.10	0.10%
2020-08-04	0.10	0.10%
2020-08-05	0.10	0.10%
2020-08-06	0.10	0.10%
2020-08-07	0.10	0.10%
2020-08-10	0.10	0.10%
2020-08-11	0.10	0.10%
2020-08-12	0.10	0.10%
2020-08-13	0.10	0.10%
2020-08-14	0.10	0.10%
2020-08-17	0.10	0.10%
2020-08-18	0.09	0.09%
2020-08-19	0.09	0.09%
2020-08-20	0.09	0.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2020-08-21	0.09	0.09%
2020-08-24	0.09	0.09%
2020-08-25	0.09	0.09%
2020-08-26	0.09	0.09%
2020-08-27	0.08	0.08%
2020-08-28	0.09	0.09%
2020-08-31	0.09	0.09%
2020-09-01	0.09	0.09%
2020-09-02	0.09	0.09%
2020-09-03	0.09	0.09%
2020-09-04	0.09	0.09%
2020-09-07	#N/A	0.09%
2020-09-08	0.09	0.09%
2020-09-09	0.09	0.09%
2020-09-10	0.09	0.09%
2020-09-11	0.09	0.09%
2020-09-14	0.09	0.09%
2020-09-15	0.09	0.09%
2020-09-16	0.09	0.09%
2020-09-17	0.09	0.09%
2020-09-18	0.09	0.09%
2020-09-21	0.09	0.09%
2020-09-22	0.09	0.09%
2020-09-23	0.09	0.09%
2020-09-24	0.09	0.09%
2020-09-25	0.09	0.09%
2020-09-28	0.09	0.09%
2020-09-29	0.09	0.09%
2020-09-30	0.09	0.09%
2020-10-01	0.09	0.09%
2020-10-02	0.09	0.09%
2020-10-05	0.09	0.09%
2020-10-06	0.09	0.09%
2020-10-07	0.09	0.09%
2020-10-08	0.09	0.09%
2020-10-09	0.09	0.09%
2020-10-12	#N/A	0.09%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2020-10-13	0.09	0.09%
2020-10-14	0.09	0.09%
2020-10-15	0.09	0.09%
2020-10-16	0.09	0.09%
2020-10-19	0.09	0.09%
2020-10-20	0.09	0.09%
2020-10-21	0.09	0.09%
2020-10-22	0.09	0.09%
2020-10-23	0.09	0.09%
2020-10-26	0.09	0.09%
2020-10-27	0.09	0.09%
2020-10-28	0.09	0.09%
2020-10-29	0.09	0.09%
2020-10-30	0.09	0.09%
2020-11-02	0.09	0.09%
2020-11-03	0.09	0.09%
2020-11-04	0.09	0.09%
2020-11-05	0.09	0.09%
2020-11-06	0.09	0.09%
2020-11-09	0.09	0.09%
2020-11-10	0.09	0.09%
2020-11-11	#N/A	0.09%
2020-11-12	0.09	0.09%
2020-11-13	0.09	0.09%
2020-11-16	0.09	0.09%
2020-11-17	0.09	0.09%
2020-11-18	0.09	0.09%
2020-11-19	0.08	0.08%
2020-11-20	0.08	0.08%
2020-11-23	0.08	0.08%
2020-11-24	0.08	0.08%
2020-11-25	0.08	0.08%
2020-11-26	#N/A	0.08%
2020-11-27	0.08	0.08%
2020-11-30	0.09	0.09%
2020-12-01	0.09	0.09%
2020-12-02	0.09	0.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2020-12-03	0.09	0.09%
2020-12-04	0.09	0.09%
2020-12-07	0.09	0.09%
2020-12-08	0.09	0.09%
2020-12-09	0.09	0.09%
2020-12-10	0.09	0.09%
2020-12-11	0.09	0.09%
2020-12-14	0.09	0.09%
2020-12-15	0.09	0.09%
2020-12-16	0.09	0.09%
2020-12-17	0.09	0.09%
2020-12-18	0.09	0.09%
2020-12-21	0.09	0.09%
2020-12-22	0.09	0.09%
2020-12-23	0.09	0.09%
2020-12-24	0.09	0.09%
2020-12-25	#N/A	0.09%
2020-12-28	0.09	0.09%
2020-12-29	0.09	0.09%
2020-12-30	0.09	0.09%
2020-12-31	0.09	0.09%
2021-01-01	#N/A	0.09%
2021-01-04	0.09	0.09%
2021-01-05	0.09	0.09%
2021-01-06	0.09	0.09%
2021-01-07	0.09	0.09%
2021-01-08	0.09	0.09%
2021-01-11	0.09	0.09%
2021-01-12	0.09	0.09%
2021-01-13	0.09	0.09%
2021-01-14	0.09	0.09%
2021-01-15	0.09	0.09%
2021-01-18	#N/A	0.09%
2021-01-19	0.09	0.09%
2021-01-20	0.09	0.09%
2021-01-21	0.08	0.08%
2021-01-22	0.08	0.08%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2021-01-25	0.08	0.08%
2021-01-26	0.08	0.08%
2021-01-27	0.08	0.08%
2021-01-28	0.07	0.07%
2021-01-29	0.07	0.07%
2021-02-01	0.08	0.08%
2021-02-02	0.08	0.08%
2021-02-03	0.08	0.08%
2021-02-04	0.08	0.08%
2021-02-05	0.08	0.08%
2021-02-08	0.07	0.07%
2021-02-09	0.08	0.08%
2021-02-10	0.08	0.08%
2021-02-11	0.08	0.08%
2021-02-12	0.08	0.08%
2021-02-15	#N/A	0.08%
2021-02-16	0.08	0.08%
2021-02-17	0.08	0.08%
2021-02-18	0.07	0.07%
2021-02-19	0.07	0.07%
2021-02-22	0.07	0.07%
2021-02-23	0.07	0.07%
2021-02-24	0.07	0.07%
2021-02-25	0.07	0.07%
2021-02-26	0.07	0.07%
2021-03-01	0.07	0.07%
2021-03-02	0.07	0.07%
2021-03-03	0.07	0.07%
2021-03-04	0.07	0.07%
2021-03-05	0.07	0.07%
2021-03-08	0.07	0.07%
2021-03-09	0.07	0.07%
2021-03-10	0.07	0.07%
2021-03-11	0.07	0.07%
2021-03-12	0.07	0.07%
2021-03-15	0.07	0.07%
2021-03-16	0.07	0.07%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2021-03-17	0.07	0.07%
2021-03-18	0.07	0.07%
2021-03-19	0.07	0.07%
2021-03-22	0.07	0.07%
2021-03-23	0.07	0.07%
2021-03-24	0.07	0.07%
2021-03-25	0.07	0.07%
2021-03-26	0.07	0.07%
2021-03-29	0.07	0.07%
2021-03-30	0.07	0.07%
2021-03-31	0.06	0.06%
2021-04-01	0.07	0.07%
2021-04-02	0.07	0.07%
2021-04-05	0.07	0.07%
2021-04-06	0.07	0.07%
2021-04-07	0.07	0.07%
2021-04-08	0.07	0.07%
2021-04-09	0.07	0.07%
2021-04-12	0.07	0.07%
2021-04-13	0.07	0.07%
2021-04-14	0.07	0.07%
2021-04-15	0.07	0.07%
2021-04-16	0.07	0.07%
2021-04-19	0.07	0.07%
2021-04-20	0.07	0.07%
2021-04-21	0.07	0.07%
2021-04-22	0.07	0.07%
2021-04-23	0.07	0.07%
2021-04-26	0.07	0.07%
2021-04-27	0.07	0.07%
2021-04-28	0.07	0.07%
2021-04-29	0.06	0.06%
2021-04-30	0.05	0.05%
2021-05-03	0.06	0.06%
2021-05-04	0.06	0.06%
2021-05-05	0.06	0.06%
2021-05-06	0.06	0.06%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2021-05-07	0.06	0.06%
2021-05-10	0.06	0.06%
2021-05-11	0.06	0.06%
2021-05-12	0.06	0.06%
2021-05-13	0.06	0.06%
2021-05-14	0.06	0.06%
2021-05-17	0.06	0.06%
2021-05-18	0.06	0.06%
2021-05-19	0.06	0.06%
2021-05-20	0.06	0.06%
2021-05-21	0.06	0.06%
2021-05-24	0.06	0.06%
2021-05-25	0.06	0.06%
2021-05-26	0.06	0.06%
2021-05-27	0.06	0.06%
2021-05-28	0.05	0.05%
2021-05-31	#N/A	0.05%
2021-06-01	0.06	0.06%
2021-06-02	0.06	0.06%
2021-06-03	0.06	0.06%
2021-06-04	0.06	0.06%
2021-06-07	0.06	0.06%
2021-06-08	0.06	0.06%
2021-06-09	0.06	0.06%
2021-06-10	0.06	0.06%
2021-06-11	0.06	0.06%
2021-06-14	0.06	0.06%
2021-06-15	0.06	0.06%
2021-06-16	0.06	0.06%
2021-06-17	0.10	0.10%
2021-06-18	0.10	0.10%
2021-06-21	0.10	0.10%
2021-06-22	0.10	0.10%
2021-06-23	0.10	0.10%
2021-06-24	0.10	0.10%
2021-06-25	0.10	0.10%
2021-06-28	0.10	0.10%

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Federal Reserve Economic Data
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Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2021-06-29	0.10	0.10%
2021-06-30	0.08	0.08%
2021-07-01	0.10	0.10%
2021-07-02	0.10	0.10%
2021-07-05	#N/A	0.10%
2021-07-06	0.10	0.10%
2021-07-07	0.10	0.10%
2021-07-08	0.10	0.10%
2021-07-09	0.10	0.10%
2021-07-12	0.10	0.10%
2021-07-13	0.10	0.10%
2021-07-14	0.10	0.10%
2021-07-15	0.10	0.10%
2021-07-16	0.10	0.10%
2021-07-19	0.10	0.10%
2021-07-20	0.10	0.10%
2021-07-21	0.10	0.10%
2021-07-22	0.10	0.10%
2021-07-23	0.10	0.10%
2021-07-26	0.10	0.10%
2021-07-27	0.10	0.10%
2021-07-28	0.10	0.10%
2021-07-29	0.10	0.10%
2021-07-30	0.07	0.07%
2021-08-02	0.10	0.10%
2021-08-03	0.10	0.10%
2021-08-04	0.10	0.10%
2021-08-05	0.10	0.10%
2021-08-06	0.10	0.10%
2021-08-09	0.10	0.10%
2021-08-10	0.10	0.10%
2021-08-11	0.10	0.10%
2021-08-12	0.10	0.10%
2021-08-13	0.10	0.10%
2021-08-16	0.10	0.10%
2021-08-17	0.10	0.10%
2021-08-18	0.09	0.09%

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Federal Reserve Economic Data
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Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2021-08-19	0.09	0.09%
2021-08-20	0.09	0.09%
2021-08-23	0.09	0.09%
2021-08-24	0.09	0.09%
2021-08-25	0.09	0.09%
2021-08-26	0.09	0.09%
2021-08-27	0.08	0.08%
2021-08-30	0.08	0.08%
2021-08-31	0.06	0.06%
2021-09-01	0.08	0.08%
2021-09-02	0.08	0.08%
2021-09-03	0.08	0.08%
2021-09-06	#N/A	0.08%
2021-09-07	0.08	0.08%
2021-09-08	0.08	0.08%
2021-09-09	0.08	0.08%
2021-09-10	0.08	0.08%
2021-09-13	0.08	0.08%
2021-09-14	0.08	0.08%
2021-09-15	0.08	0.08%
2021-09-16	0.08	0.08%
2021-09-17	0.08	0.08%
2021-09-20	0.08	0.08%
2021-09-21	0.08	0.08%
2021-09-22	0.08	0.08%
2021-09-23	0.08	0.08%
2021-09-24	0.08	0.08%
2021-09-27	0.08	0.08%
2021-09-28	0.08	0.08%
2021-09-29	0.08	0.08%
2021-09-30	0.06	0.06%
2021-10-01	0.08	0.08%
2021-10-04	0.08	0.08%
2021-10-05	0.08	0.08%
2021-10-06	0.08	0.08%
2021-10-07	0.08	0.08%
2021-10-08	0.08	0.08%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2021-10-11	#N/A	0.08%
2021-10-12	0.08	0.08%
2021-10-13	0.08	0.08%
2021-10-14	0.08	0.08%
2021-10-15	0.08	0.08%
2021-10-18	0.08	0.08%
2021-10-19	0.08	0.08%
2021-10-20	0.08	0.08%
2021-10-21	0.08	0.08%
2021-10-22	0.08	0.08%
2021-10-25	0.08	0.08%
2021-10-26	0.08	0.08%
2021-10-27	0.08	0.08%
2021-10-28	0.08	0.08%
2021-10-29	0.07	0.07%
2021-11-01	0.08	0.08%
2021-11-02	0.08	0.08%
2021-11-03	0.08	0.08%
2021-11-04	0.08	0.08%
2021-11-05	0.08	0.08%
2021-11-08	0.08	0.08%
2021-11-09	0.08	0.08%
2021-11-10	0.08	0.08%
2021-11-11	#N/A	0.08%
2021-11-12	0.08	0.08%
2021-11-15	0.08	0.08%
2021-11-16	0.08	0.08%
2021-11-17	0.08	0.08%
2021-11-18	0.08	0.08%
2021-11-19	0.08	0.08%
2021-11-22	0.08	0.08%
2021-11-23	0.08	0.08%
2021-11-24	0.08	0.08%
2021-11-25	#N/A	0.08%
2021-11-26	0.08	0.08%
2021-11-29	0.08	0.08%
2021-11-30	0.07	0.07%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2021-12-01	0.08	0.08%
2021-12-02	0.08	0.08%
2021-12-03	0.08	0.08%
2021-12-06	0.08	0.08%
2021-12-07	0.08	0.08%
2021-12-08	0.08	0.08%
2021-12-09	0.08	0.08%
2021-12-10	0.08	0.08%
2021-12-13	0.08	0.08%
2021-12-14	0.08	0.08%
2021-12-15	0.08	0.08%
2021-12-16	0.08	0.08%
2021-12-17	0.08	0.08%
2021-12-20	0.08	0.08%
2021-12-21	0.08	0.08%
2021-12-22	0.08	0.08%
2021-12-23	0.08	0.08%
2021-12-24	0.08	0.08%
2021-12-27	0.08	0.08%
2021-12-28	0.08	0.08%
2021-12-29	0.08	0.08%
2021-12-30	0.08	0.08%
2021-12-31	0.07	0.07%
2022-01-03	0.08	0.08%
2022-01-04	0.08	0.08%
2022-01-05	0.08	0.08%
2022-01-06	0.08	0.08%
2022-01-07	0.08	0.08%
2022-01-10	0.08	0.08%
2022-01-11	0.08	0.08%
2022-01-12	0.08	0.08%
2022-01-13	0.08	0.08%
2022-01-14	0.08	0.08%
2022-01-17	#N/A	0.08%
2022-01-18	0.08	0.08%
2022-01-19	0.08	0.08%
2022-01-20	0.08	0.08%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2022-01-21	0.08	0.08%
2022-01-24	0.08	0.08%
2022-01-25	0.08	0.08%
2022-01-26	0.08	0.08%
2022-01-27	0.08	0.08%
2022-01-28	0.08	0.08%
2022-01-31	0.08	0.08%
2022-02-01	0.08	0.08%
2022-02-02	0.08	0.08%
2022-02-03	0.08	0.08%
2022-02-04	0.08	0.08%
2022-02-07	0.08	0.08%
2022-02-08	0.08	0.08%
2022-02-09	0.08	0.08%
2022-02-10	0.08	0.08%
2022-02-11	0.08	0.08%
2022-02-14	0.08	0.08%
2022-02-15	0.08	0.08%
2022-02-16	0.08	0.08%
2022-02-17	0.08	0.08%
2022-02-18	0.08	0.08%
2022-02-21	#N/A	0.08%
2022-02-22	0.08	0.08%
2022-02-23	0.08	0.08%
2022-02-24	0.08	0.08%
2022-02-25	0.08	0.08%
2022-02-28	0.08	0.08%
2022-03-01	0.08	0.08%
2022-03-02	0.08	0.08%
2022-03-03	0.08	0.08%
2022-03-04	0.08	0.08%
2022-03-07	0.08	0.08%
2022-03-08	0.08	0.08%
2022-03-09	0.08	0.08%
2022-03-10	0.08	0.08%
2022-03-11	0.08	0.08%
2022-03-14	0.08	0.08%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2022-03-15	0.08	0.08%
2022-03-16	0.08	0.08%
2022-03-17	0.33	0.33%
2022-03-18	0.33	0.33%
2022-03-21	0.33	0.33%
2022-03-22	0.33	0.33%
2022-03-23	0.33	0.33%
2022-03-24	0.33	0.33%
2022-03-25	0.33	0.33%
2022-03-28	0.33	0.33%
2022-03-29	0.33	0.33%
2022-03-30	0.33	0.33%
2022-03-31	0.33	0.33%
2022-04-01	0.33	0.33%
2022-04-04	0.33	0.33%
2022-04-05	0.33	0.33%
2022-04-06	0.33	0.33%
2022-04-07	0.33	0.33%
2022-04-08	0.33	0.33%
2022-04-11	0.33	0.33%
2022-04-12	0.33	0.33%
2022-04-13	0.33	0.33%
2022-04-14	0.33	0.33%
2022-04-15	0.33	0.33%
2022-04-18	0.33	0.33%
2022-04-19	0.33	0.33%
2022-04-20	0.33	0.33%
2022-04-21	0.33	0.33%
2022-04-22	0.33	0.33%
2022-04-25	0.33	0.33%
2022-04-26	0.33	0.33%
2022-04-27	0.33	0.33%
2022-04-28	0.33	0.33%
2022-04-29	0.33	0.33%
2022-05-02	0.33	0.33%
2022-05-03	0.33	0.33%
2022-05-04	0.33	0.33%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2022-05-05	0.83	0.83%
2022-05-06	0.83	0.83%
2022-05-09	0.83	0.83%
2022-05-10	0.83	0.83%
2022-05-11	0.83	0.83%
2022-05-12	0.83	0.83%
2022-05-13	0.83	0.83%
2022-05-16	0.83	0.83%
2022-05-17	0.83	0.83%
2022-05-18	0.83	0.83%
2022-05-19	0.83	0.83%
2022-05-20	0.83	0.83%
2022-05-23	0.83	0.83%
2022-05-24	0.83	0.83%
2022-05-25	0.83	0.83%
2022-05-26	0.83	0.83%
2022-05-27	0.83	0.83%
2022-05-30	#N/A	0.83%
2022-05-31	0.83	0.83%
2022-06-01	0.83	0.83%
2022-06-02	0.83	0.83%
2022-06-03	0.83	0.83%
2022-06-06	0.83	0.83%
2022-06-07	0.83	0.83%
2022-06-08	0.83	0.83%
2022-06-09	0.83	0.83%
2022-06-10	0.83	0.83%
2022-06-13	0.83	0.83%
2022-06-14	0.83	0.83%
2022-06-15	0.83	0.83%
2022-06-16	1.58	1.58%
2022-06-17	1.58	1.58%
2022-06-20	#N/A	1.58%
2022-06-21	1.58	1.58%
2022-06-22	1.58	1.58%
2022-06-23	1.58	1.58%
2022-06-24	1.58	1.58%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2022-06-27	1.58	1.58%
2022-06-28	1.58	1.58%
2022-06-29	1.58	1.58%
2022-06-30	1.58	1.58%
2022-07-01	1.58	1.58%
2022-07-04	#N/A	1.58%
2022-07-05	1.58	1.58%
2022-07-06	1.58	1.58%
2022-07-07	1.58	1.58%
2022-07-08	1.58	1.58%
2022-07-11	1.58	1.58%
2022-07-12	1.58	1.58%
2022-07-13	1.58	1.58%
2022-07-14	1.58	1.58%
2022-07-15	1.58	1.58%
2022-07-18	1.58	1.58%
2022-07-19	1.58	1.58%
2022-07-20	1.58	1.58%
2022-07-21	1.58	1.58%
2022-07-22	1.58	1.58%
2022-07-25	1.58	1.58%
2022-07-26	1.58	1.58%
2022-07-27	1.58	1.58%
2022-07-28	2.33	2.33%
2022-07-29	2.32	2.32%
2022-08-01	2.33	2.33%
2022-08-02	2.33	2.33%
2022-08-03	2.33	2.33%
2022-08-04	2.33	2.33%
2022-08-05	2.33	2.33%
2022-08-08	2.33	2.33%
2022-08-09	2.33	2.33%
2022-08-10	2.33	2.33%
2022-08-11	2.33	2.33%
2022-08-12	2.33	2.33%
2022-08-15	2.33	2.33%
2022-08-16	2.33	2.33%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2022-08-17	2.33	2.33%
2022-08-18	2.33	2.33%
2022-08-19	2.33	2.33%
2022-08-22	2.33	2.33%
2022-08-23	2.33	2.33%
2022-08-24	2.33	2.33%
2022-08-25	2.33	2.33%
2022-08-26	2.33	2.33%
2022-08-29	2.33	2.33%
2022-08-30	2.33	2.33%
2022-08-31	2.33	2.33%
2022-09-01	2.33	2.33%
2022-09-02	2.33	2.33%
2022-09-05	#N/A	2.33%
2022-09-06	2.33	2.33%
2022-09-07	2.33	2.33%
2022-09-08	2.33	2.33%
2022-09-09	2.33	2.33%
2022-09-12	2.33	2.33%
2022-09-13	2.33	2.33%
2022-09-14	2.33	2.33%
2022-09-15	2.33	2.33%
2022-09-16	2.33	2.33%
2022-09-19	2.33	2.33%
2022-09-20	2.33	2.33%
2022-09-21	2.33	2.33%
2022-09-22	3.08	3.08%
2022-09-23	3.08	3.08%
2022-09-26	3.08	3.08%
2022-09-27	3.08	3.08%
2022-09-28	3.08	3.08%
2022-09-29	3.08	3.08%
2022-09-30	3.08	3.08%
2022-10-03	3.08	3.08%
2022-10-04	3.08	3.08%
2022-10-05	3.08	3.08%
2022-10-06	3.08	3.08%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2022-10-07	3.08	3.08%
2022-10-10	#N/A	3.08%
2022-10-11	3.08	3.08%
2022-10-12	3.08	3.08%
2022-10-13	3.08	3.08%
2022-10-14	3.08	3.08%
2022-10-17	3.08	3.08%
2022-10-18	3.08	3.08%
2022-10-19	3.08	3.08%
2022-10-20	3.08	3.08%
2022-10-21	3.08	3.08%
2022-10-24	3.08	3.08%
2022-10-25	3.08	3.08%
2022-10-26	3.08	3.08%
2022-10-27	3.08	3.08%
2022-10-28	3.08	3.08%
2022-10-31	3.08	3.08%
2022-11-01	3.08	3.08%
2022-11-02	3.08	3.08%
2022-11-03	3.83	3.83%
2022-11-04	3.83	3.83%
2022-11-07	3.83	3.83%
2022-11-08	3.83	3.83%
2022-11-09	3.83	3.83%
2022-11-10	3.83	3.83%
2022-11-11	#N/A	3.83%
2022-11-14	3.83	3.83%
2022-11-15	3.83	3.83%
2022-11-16	3.83	3.83%
2022-11-17	3.83	3.83%
2022-11-18	3.83	3.83%
2022-11-21	3.83	3.83%
2022-11-22	3.83	3.83%
2022-11-23	3.83	3.83%
2022-11-24	#N/A	3.83%
2022-11-25	3.83	3.83%
2022-11-28	3.83	3.83%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2022-11-29	3.83	3.83%
2022-11-30	3.83	3.83%
2022-12-01	3.83	3.83%
2022-12-02	3.83	3.83%
2022-12-05	3.83	3.83%
2022-12-06	3.83	3.83%
2022-12-07	3.83	3.83%
2022-12-08	3.83	3.83%
2022-12-09	3.83	3.83%
2022-12-12	3.83	3.83%
2022-12-13	3.83	3.83%
2022-12-14	3.83	3.83%
2022-12-15	4.33	4.33%
2022-12-16	4.33	4.33%
2022-12-19	4.33	4.33%
2022-12-20	4.33	4.33%
2022-12-21	4.33	4.33%
2022-12-22	4.33	4.33%
2022-12-23	4.33	4.33%
2022-12-26	#N/A	4.33%
2022-12-27	4.33	4.33%
2022-12-28	4.33	4.33%
2022-12-29	4.33	4.33%
2022-12-30	4.33	4.33%
2023-01-02	#N/A	4.33%
2023-01-03	4.33	4.33%
2023-01-04	4.33	4.33%
2023-01-05	4.33	4.33%
2023-01-06	4.33	4.33%
2023-01-09	4.33	4.33%
2023-01-10	4.33	4.33%
2023-01-11	4.33	4.33%
2023-01-12	4.33	4.33%
2023-01-13	4.33	4.33%
2023-01-16	#N/A	4.33%
2023-01-17	4.33	4.33%
2023-01-18	4.33	4.33%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2023-01-19	4.33	4.33%
2023-01-20	4.33	4.33%
2023-01-23	4.33	4.33%
2023-01-24	4.33	4.33%
2023-01-25	4.33	4.33%
2023-01-26	4.33	4.33%
2023-01-27	4.33	4.33%
2023-01-30	4.33	4.33%
2023-01-31	4.33	4.33%
2023-02-01	4.33	4.33%
2023-02-02	4.58	4.58%
2023-02-03	4.58	4.58%
2023-02-06	4.58	4.58%
2023-02-07	4.58	4.58%
2023-02-08	4.58	4.58%
2023-02-09	4.57	4.57%
2023-02-10	4.58	4.58%
2023-02-13	4.58	4.58%
2023-02-14	4.58	4.58%
2023-02-15	4.58	4.58%
2023-02-16	4.58	4.58%
2023-02-17	4.58	4.58%
2023-02-20	#N/A	4.58%
2023-02-21	4.58	4.58%
2023-02-22	4.58	4.58%
2023-02-23	4.58	4.58%
2023-02-24	4.58	4.58%
2023-02-27	4.57	4.57%
2023-02-28	4.57	4.57%
2023-03-01	4.58	4.58%
2023-03-02	4.57	4.57%
2023-03-03	4.57	4.57%
2023-03-06	4.57	4.57%
2023-03-07	4.57	4.57%
2023-03-08	4.57	4.57%
2023-03-09	4.57	4.57%
2023-03-10	4.57	4.57%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2023-03-13	4.58	4.58%
2023-03-14	4.58	4.58%
2023-03-15	4.58	4.58%
2023-03-16	4.58	4.58%
2023-03-17	4.58	4.58%
2023-03-20	4.58	4.58%
2023-03-21	4.58	4.58%
2023-03-22	4.58	4.58%
2023-03-23	4.83	4.83%
2023-03-24	4.83	4.83%
2023-03-27	4.83	4.83%
2023-03-28	4.83	4.83%
2023-03-29	4.83	4.83%
2023-03-30	4.83	4.83%
2023-03-31	4.83	4.83%
2023-04-03	4.83	4.83%
2023-04-04	4.83	4.83%
2023-04-05	4.83	4.83%
2023-04-06	4.83	4.83%
2023-04-07	4.83	4.83%
2023-04-10	4.83	4.83%
2023-04-11	4.83	4.83%
2023-04-12	4.83	4.83%
2023-04-13	4.83	4.83%
2023-04-14	4.83	4.83%
2023-04-17	4.83	4.83%
2023-04-18	4.83	4.83%
2023-04-19	4.83	4.83%
2023-04-20	4.83	4.83%
2023-04-21	4.83	4.83%
2023-04-24	4.83	4.83%
2023-04-25	4.83	4.83%
2023-04-26	4.83	4.83%
2023-04-27	4.83	4.83%
2023-04-28	4.83	4.83%
2023-05-01	4.83	4.83%
2023-05-02	4.83	4.83%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2023-05-03	4.83	4.83%
2023-05-04	5.08	5.08%
2023-05-05	5.08	5.08%
2023-05-08	5.08	5.08%
2023-05-09	5.08	5.08%
2023-05-10	5.08	5.08%
2023-05-11	5.08	5.08%
2023-05-12	5.08	5.08%
2023-05-15	5.08	5.08%
2023-05-16	5.08	5.08%
2023-05-17	5.08	5.08%
2023-05-18	5.08	5.08%
2023-05-19	5.08	5.08%
2023-05-22	5.08	5.08%
2023-05-23	5.08	5.08%
2023-05-24	5.08	5.08%
2023-05-25	5.08	5.08%
2023-05-26	5.08	5.08%
2023-05-29	#N/A	5.08%
2023-05-30	5.08	5.08%
2023-05-31	5.08	5.08%
2023-06-01	5.08	5.08%
2023-06-02	5.08	5.08%
2023-06-05	5.08	5.08%
2023-06-06	5.08	5.08%
2023-06-07	5.08	5.08%
2023-06-08	5.08	5.08%
2023-06-09	5.08	5.08%
2023-06-12	5.08	5.08%
2023-06-13	5.08	5.08%
2023-06-14	5.08	5.08%
2023-06-15	5.07	5.07%
2023-06-16	5.08	5.08%
2023-06-19	#N/A	5.08%
2023-06-20	5.07	5.07%
2023-06-21	5.07	5.07%
2023-06-22	5.07	5.07%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2023-06-23	5.07	5.07%
2023-06-26	5.07	5.07%
2023-06-27	5.07	5.07%
2023-06-28	5.07	5.07%
2023-06-29	5.07	5.07%
2023-06-30	5.08	5.08%
2023-07-03	5.08	5.08%
2023-07-04	0	0.00%
2023-07-05	5.08	5.08%
2023-07-06	5.08	5.08%
2023-07-07	5.08	5.08%
2023-07-10	5.07	5.07%
2023-07-11	5.08	5.08%
2023-07-12	5.08	5.08%
2023-07-13	5.08	5.08%
2023-07-14	5.08	5.08%
2023-07-17	5.08	5.08%
2023-07-18	5.08	5.08%
2023-07-19	5.08	5.08%
2023-07-20	5.08	5.08%
2023-07-21	5.08	5.08%
2023-07-24	5.08	5.08%
2023-07-25	5.08	5.08%
2023-07-26	5.08	5.08%
2023-07-27	5.33	5.33%
2023-07-28	5.33	5.33%
2023-07-31	5.33	5.33%
2023-08-01	5.33	5.33%
2023-08-02	5.33	5.33%
2023-08-03	5.33	5.33%
2023-08-04	5.33	5.33%
2023-08-07	5.33	5.33%
2023-08-08	5.33	5.33%
2023-08-09	5.33	5.33%
2023-08-10	5.33	5.33%
2023-08-11	5.33	5.33%
2023-08-14	5.33	5.33%

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Federal Reserve Economic Data
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Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2023-08-15	5.33	5.33%
2023-08-16	5.33	5.33%
2023-08-17	5.33	5.33%
2023-08-18	5.33	5.33%
2023-08-21	5.33	5.33%
2023-08-22	5.33	5.33%
2023-08-23	5.33	5.33%
2023-08-24	5.33	5.33%
2023-08-25	5.33	5.33%
2023-08-28	5.33	5.33%
2023-08-29	5.33	5.33%
2023-08-30	5.33	5.33%
2023-08-31	5.33	5.33%
2023-09-01	5.33	5.33%
2023-09-04	0	0.00%
2023-09-05	5.33	5.33%
2023-09-06	5.33	5.33%
2023-09-06	5.33	5.33%
2023-09-07	5.33	5.33%
2023-09-08	5.33	5.33%
2023-09-09	5.33	5.33%
2023-09-10	5.33	5.33%
2023-09-11	5.33	5.33%
2023-09-12	5.33	5.33%
2023-09-13	5.33	5.33%
2023-09-14	5.33	5.33%
2023-09-15	5.33	5.33%
2023-09-16	5.33	5.33%
2023-09-17	5.33	5.33%
2023-09-18	5.33	5.33%
2023-09-19	5.33	5.33%
2023-09-20	5.33	5.33%
2023-09-21	5.33	5.33%
2023-09-22	5.33	5.33%
2023-09-23	5.33	5.33%
2023-09-24	5.33	5.33%
2023-09-25	5.33	5.33%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2023-09-26	5.33	5.33%
2023-09-27	5.33	5.33%
2023-09-28	5.33	5.33%
2023-09-29	5.33	5.33%
2023-09-30	5.33	5.33%
2023-10-01	5.33	5.33%
2023-10-02	5.33	5.33%
2023-10-03	5.33	5.33%
2023-10-04	5.33	5.33%
2023-10-05	5.33	5.33%
2023-10-06	5.33	5.33%
2023-10-07	5.33	5.33%
2023-10-08	5.33	5.33%
2023-10-09	5.33	5.33%
2023-10-10	5.33	5.33%
2023-10-11	5.33	5.33%
2023-10-12	5.33	5.33%
2023-10-13	5.33	5.33%
2023-10-14	5.33	5.33%
2023-10-15	5.33	5.33%
2023-10-16	5.33	5.33%
2023-10-17	5.33	5.33%
2023-10-18	5.33	5.33%
2023-10-19	5.33	5.33%
2023-10-20	5.33	5.33%
2023-10-21	5.33	5.33%
2023-10-22	5.33	5.33%
2023-10-23	5.33	5.33%
2023-10-24	5.33	5.33%
2023-10-25	5.33	5.33%
2023-10-26	5.33	5.33%
2023-10-27	5.33	5.33%
2023-10-28	5.33	5.33%
2023-10-29	5.33	5.33%
2023-10-30	5.33	5.33%
2023-10-31	5.33	5.33%
2023-11-01	5.33	5.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2023-11-02	5.33	5.33%
2023-11-03	5.33	5.33%
2023-11-06	5.33	5.33%
2023-11-07	5.33	5.33%
2023-11-08	5.33	5.33%
2023-11-09	5.33	5.33%
2023-11-10	5.33	5.33%
2023-11-13	5.33	5.33%
2023-11-14	5.33	5.33%
2023-11-15	5.33	5.33%
2023-11-16	5.33	5.33%
2023-11-17	5.33	5.33%
2023-11-20	5.33	5.33%
2023-11-21	5.33	5.33%
2023-11-22	5.33	5.33%
2023-11-23	#N/A	5.33%
2023-11-24	5.33	5.33%
2023-11-27	5.33	5.33%
2023-11-28	5.33	5.33%
2023-11-29	5.33	5.33%
2023-11-30	5.33	5.33%
2023-12-01	5.33	5.33%
2023-12-04	5.33	5.33%
2023-12-05	5.33	5.33%
2023-12-06	5.33	5.33%
2023-12-07	5.33	5.33%
2023-12-08	5.33	5.33%
2023-12-11	5.33	5.33%
2023-12-12	5.33	5.33%
2023-12-13	5.33	5.33%
2023-12-14	5.33	5.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2023-12-15	5.33	5.33%
2023-12-18	5.33	5.33%
2023-12-19	5.33	5.33%
2023-12-20	5.33	5.33%
2023-12-21	5.33	5.33%
2023-12-22	5.33	5.33%
2023-12-25	#N/A	5.33%
2023-12-26	5.33	5.33%
2023-12-27	5.33	5.33%
2023-12-28	5.33	5.33%
2023-12-29	5.33	5.33%
2024-01-01	#N/A	5.33%
2024-01-02	5.33	5.33%
2024-01-03	5.33	5.33%
2024-01-04	5.33	5.33%
2024-01-05	5.33	5.33%
2024-01-08	5.33	5.33%
2024-01-09	5.33	5.33%
2024-01-10	5.33	5.33%
2024-01-11	5.33	5.33%
2024-01-12	5.33	5.33%
2024-01-15	#N/A	5.33%
2024-01-16	5.33	5.33%
2024-01-17	5.33	5.33%
2024-01-18	5.33	5.33%
2024-01-19	5.33	5.33%
2024-01-22	5.33	5.33%
2024-01-23	5.33	5.33%
2024-01-24	5.33	5.33%
2024-01-25	5.33	5.33%
2024-01-26	5.33	5.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2024-01-29		5.33	5.33%
2024-01-30		5.33	5.33%
2024-01-31		5.33	5.33%
2024-02-01		5.33	5.33%
2024-02-02		5.33	5.33%
2024-02-05		5.33	5.33%
2024-02-06		5.33	5.33%
2024-02-07		5.33	5.33%
2024-02-08		5.33	5.33%
2024-02-09		5.33	5.33%
2024-02-12		5.33	5.33%
2024-02-13		5.33	5.33%
2024-02-14		5.33	5.33%
2024-02-15		5.33	5.33%
2024-02-16		5.33	5.33%
2024-02-19	#N/A		5.33%
2024-02-20		5.33	5.33%
2024-02-21		5.33	5.33%
2024-02-22		5.33	5.33%
2024-02-23		5.33	5.33%
2024-02-26		5.33	5.33%
2024-02-27		5.33	5.33%
2024-02-28		5.33	5.33%
2024-02-29		5.33	5.33%
2024-03-01		5.33	5.33%
2024-03-04		5.33	5.33%
2024-03-05		5.33	5.33%
2024-03-06		5.33	5.33%
2024-03-07		5.33	5.33%
2024-03-08		5.33	5.33%
2024-03-11		5.33	5.33%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2024-03-12	5.33	5.33%
2024-03-13	5.33	5.33%
2024-03-14	5.33	5.33%
2024-03-15	5.33	5.33%
2024-03-18	5.33	5.33%
2024-03-19	5.33	5.33%
2024-03-20	5.33	5.33%
2024-03-21	5.33	5.33%
2024-03-22	5.33	5.33%
2024-03-25	5.33	5.33%
2024-03-26	5.33	5.33%
2024-03-27	5.33	5.33%
2024-03-28	5.33	5.33%
2024-03-29	5.33	5.33%
2024-04-01	5.33	5.33%
2024-04-02	5.33	5.33%
2024-04-03	5.33	5.33%
2024-04-04	5.33	5.33%
2024-04-05	5.33	5.33%
2024-04-08	5.33	5.33%
2024-04-09	5.33	5.33%
2024-04-10	5.33	5.33%
2024-04-11	5.33	5.33%
2024-04-12	5.33	5.33%
2024-04-15	5.33	5.33%
2024-04-16	5.33	5.33%
2024-04-17	5.33	5.33%
2024-04-18	5.33	5.33%
2024-04-19	5.33	5.33%
2024-04-22	5.33	5.33%
2024-04-23	5.33	5.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2024-04-24		5.33	5.33%
2024-04-25		5.33	5.33%
2024-04-26		5.33	5.33%
2024-04-29		5.33	5.33%
2024-04-30		5.33	5.33%
2024-05-01		5.33	5.33%
2024-05-02		5.33	5.33%
2024-05-03		5.33	5.33%
2024-05-06		5.33	5.33%
2024-05-07		5.33	5.33%
2024-05-08		5.33	5.33%
2024-05-09		5.33	5.33%
2024-05-10		5.33	5.33%
2024-05-13		5.33	5.33%
2024-05-14		5.33	5.33%
2024-05-15		5.33	5.33%
2024-05-16		5.33	5.33%
2024-05-17		5.33	5.33%
2024-05-20		5.33	5.33%
2024-05-21		5.33	5.33%
2024-05-22		5.33	5.33%
2024-05-23		5.33	5.33%
2024-05-24		5.33	5.33%
2024-05-27	#N/A		5.33%
2024-05-28		5.33	5.33%
2024-05-29		5.33	5.33%
2024-05-30		5.33	5.33%
2024-05-31		5.33	5.33%
2024-06-03		5.33	5.33%
2024-06-04		5.33	5.33%
2024-06-05		5.33	5.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2024-06-06		5.33	5.33%
2024-06-07		5.33	5.33%
2024-06-10		5.33	5.33%
2024-06-11		5.33	5.33%
2024-06-12		5.33	5.33%
2024-06-13		5.33	5.33%
2024-06-14		5.33	5.33%
2024-06-17		5.33	5.33%
2024-06-18		5.33	5.33%
2024-06-19	#N/A		5.33%
2024-06-20		5.33	5.33%
2024-06-21		5.33	5.33%
2024-06-24		5.33	5.33%
2024-06-25		5.33	5.33%
2024-06-26		5.33	5.33%
2024-06-27		5.33	5.33%
2024-06-28		5.33	5.33%
2024-07-01		5.33	5.33%
2024-07-02		5.33	5.33%
2024-07-03		5.33	5.33%
2024-07-04	#N/A		5.33%
2024-07-05		5.33	5.33%
2024-07-08		5.33	5.33%
2024-07-09		5.33	5.33%
2024-07-10		5.33	5.33%
2024-07-11		5.33	5.33%
2024-07-12		5.33	5.33%
2024-07-15		5.33	5.33%
2024-07-16		5.33	5.33%
2024-07-17		5.33	5.33%
2024-07-18		5.33	5.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2024-07-19	5.33	5.33%
2024-07-22	5.33	5.33%
2024-07-23	5.33	5.33%
2024-07-24	5.33	5.33%
2024-07-25	5.33	5.33%
2024-07-26	5.33	5.33%
2024-07-29	5.33	5.33%
2024-07-30	5.33	5.33%
2024-07-31	5.33	5.33%
2024-08-01	5.33	5.33%
2024-08-02	5.33	5.33%
2024-08-05	5.33	5.33%
2024-08-06	5.33	5.33%
2024-08-07	5.33	5.33%
2024-08-08	5.33	5.33%
2024-08-09	5.33	5.33%
2024-08-12	5.33	5.33%
2024-08-13	5.33	5.33%
2024-08-14	5.33	5.33%
2024-08-15	5.33	5.33%
2024-08-16	5.33	5.33%
2024-08-19	5.33	5.33%
2024-08-20	5.33	5.33%
2024-08-21	5.33	5.33%
2024-08-22	5.33	5.33%
2024-08-23	5.33	5.33%
2024-08-26	5.33	5.33%
2024-08-27	5.33	5.33%
2024-08-28	5.33	5.33%
2024-08-29	5.33	5.33%
2024-08-30	5.33	5.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2024-09-02	#N/A	5.33%
2024-09-03	5.33	5.33%
2024-09-04	5.33	5.33%
2024-09-05	5.33	5.33%
2024-09-06	5.33	5.33%
2024-09-09	5.33	5.33%
2024-09-10	5.33	5.33%
2024-09-11	5.33	5.33%
2024-09-12	5.33	5.33%
2024-09-13	5.33	5.33%
2024-09-16	5.33	5.33%
2024-09-17	5.33	5.33%
2024-09-18	5.33	5.33%
2024-09-19	4.83	4.83%
2024-09-20	4.83	4.83%
2024-09-23	4.83	4.83%
2024-09-24	4.83	4.83%
2024-09-25	4.83	4.83%
2024-09-26	4.83	4.83%
2024-09-27	4.83	4.83%
2024-09-30	4.83	4.83%
2024-10-01	4.83	4.83%
2024-10-02	4.83	4.83%
2024-10-03	4.83	4.83%
2024-10-04	4.83	4.83%
2024-10-07	4.83	4.83%
2024-10-08	4.83	4.83%
2024-10-09	4.83	4.83%
2024-10-10	4.83	4.83%
2024-10-11	4.83	4.83%
2024-10-14	#N/A	4.83%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2024-10-15		4.83	4.83%
2024-10-16		4.83	4.83%
2024-10-17		4.83	4.83%
2024-10-18		4.83	4.83%
2024-10-21		4.83	4.83%
2024-10-22		4.83	4.83%
2024-10-23		4.83	4.83%
2024-10-24		4.83	4.83%
2024-10-25		4.83	4.83%
2024-10-28		4.83	4.83%
2024-10-29		4.83	4.83%
2024-10-30		4.83	4.83%
2024-10-31		4.83	4.83%
2024-11-01		4.83	4.83%
2024-11-04		4.83	4.83%
2024-11-05		4.83	4.83%
2024-11-06		4.83	4.83%
2024-11-07		4.83	4.83%
2024-11-08		4.58	4.58%
2024-11-11	#N/A		4.58%
2024-11-12		4.58	4.58%
2024-11-13		4.58	4.58%
2024-11-14		4.58	4.58%
2024-11-15		4.58	4.58%
2024-11-18		4.58	4.58%
2024-11-19		4.58	4.58%
2024-11-20		4.58	4.58%
2024-11-21		4.58	4.58%
2024-11-22		4.58	4.58%
2024-11-25		4.58	4.58%
2024-11-26		4.58	4.58%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2024-11-27		4.58	4.58%
2024-11-28	#N/A		4.58%
2024-11-29		4.58	4.58%
2024-12-02		4.58	4.58%
2024-12-03		4.58	4.58%
2024-12-04		4.58	4.58%
2024-12-05		4.58	4.58%
2024-12-06		4.58	4.58%
2024-12-09		4.58	4.58%
2024-12-10		4.58	4.58%
2024-12-11		4.58	4.58%
2024-12-12		4.58	4.58%
2024-12-13		4.58	4.58%
2024-12-16		4.58	4.58%
2024-12-17		4.58	4.58%
2024-12-18		4.58	4.58%
2024-12-19		4.33	4.33%
2024-12-20		4.33	4.33%
2024-12-23		4.33	4.33%
2024-12-24		4.33	4.33%
2024-12-25	#N/A		4.33%
2024-12-26		4.33	4.33%
2024-12-27		4.33	4.33%
2024-12-30		4.33	4.33%
2024-12-31		4.33	4.33%
2025-01-01	#N/A		4.33%
2025-01-02		4.33	4.33%
2025-01-03		4.33	4.33%
2025-01-06		4.33	4.33%
2025-01-07		4.33	4.33%
2025-01-08		4.33	4.33%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2025-01-09		4.33	4.33%
2025-01-10		4.33	4.33%
2025-01-13		4.33	4.33%
2025-01-14		4.33	4.33%
2025-01-15		4.33	4.33%
2025-01-16		4.33	4.33%
2025-01-17		4.33	4.33%
2025-01-20	#N/A		4.33%
2025-01-21		4.33	4.33%
2025-01-22		4.33	4.33%
2025-01-23		4.33	4.33%
2025-01-24		4.33	4.33%
2025-01-27		4.33	4.33%
2025-01-28		4.33	4.33%
2025-01-29		4.33	4.33%
2025-01-30		4.33	4.33%
2025-01-31		4.33	4.33%
2025-02-03		4.33	4.33%
2025-02-04		4.33	4.33%
2025-02-05		4.33	4.33%
2025-02-06		4.33	4.33%
2025-02-07		4.33	4.33%
2025-02-10		4.33	4.33%
2025-02-11		4.33	4.33%
2025-02-12		4.33	4.33%
2025-02-13		4.33	4.33%
2025-02-14		4.33	4.33%
2025-02-17	#N/A		4.33%
2025-02-18		4.33	4.33%
2025-02-19		4.33	4.33%
2025-02-20		4.33	4.33%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2025-02-21	4.33	4.33%
2025-02-24	4.33	4.33%
2025-02-25	4.33	4.33%
2025-02-26	4.33	4.33%
2025-02-27	4.33	4.33%
2025-02-28	4.33	4.33%
2025-03-03	4.33	4.33%
2025-03-04	4.33	4.33%
2025-03-05	4.33	4.33%
2025-03-06	4.33	4.33%
2025-03-07	4.33	4.33%
2025-03-10	4.33	4.33%
2025-03-11	4.33	4.33%
2025-03-12	4.33	4.33%
2025-03-13	4.33	4.33%
2025-03-14	4.33	4.33%
2025-03-17	4.33	4.33%
2025-03-18	4.33	4.33%
2025-03-19	4.33	4.33%
2025-03-20	4.33	4.33%
2025-03-21	4.33	4.33%
2025-03-24	4.33	4.33%
2025-03-25	4.33	4.33%
2025-03-26	4.33	4.33%
2025-03-27	4.33	4.33%
2025-03-28	4.33	4.33%
2025-03-31	4.33	4.33%
2025-04-01	4.33	4.33%
2025-04-02	4.33	4.33%
2025-04-03	4.33	4.33%
2025-04-04	4.33	4.33%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2025-04-07	4.33	4.33%
2025-04-08	4.33	4.33%
2025-04-09	4.33	4.33%
2025-04-10	4.33	4.33%
2025-04-11	4.33	4.33%
2025-04-14	4.33	4.33%
2025-04-15	4.33	4.33%
2025-04-16	4.33	4.33%
2025-04-17	4.33	4.33%
2025-04-18	4.33	4.33%
2025-04-21	4.33	4.33%
2025-04-22	4.33	4.33%
2025-04-23	4.33	4.33%
2025-04-24	4.33	4.33%
2025-04-25	4.33	4.33%
2025-04-28	4.33	4.33%
2025-04-29	4.33	4.33%
2025-04-30	4.33	4.33%
2025-05-01	4.33	4.33%
2025-05-02	4.33	4.33%
2025-05-05	4.33	4.33%
2025-05-06	4.33	4.33%
2025-05-07	4.33	4.33%
2025-05-08	4.33	4.33%
2025-05-09	4.33	4.33%
2025-05-12	4.33	4.33%
2025-05-13	4.33	4.33%
2025-05-14	4.33	4.33%
2025-05-15	4.33	4.33%
2025-05-16	4.33	4.33%
2025-05-19	4.33	4.33%

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Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2025-05-20		4.33	4.33%
2025-05-21		4.33	4.33%
2025-05-22		4.33	4.33%
2025-05-23		4.33	4.33%
2025-05-26	#N/A		4.33%
2025-05-27		4.33	4.33%
2025-05-28		4.33	4.33%
2025-05-29		4.33	4.33%
2025-05-30		4.33	4.33%
2025-06-02		4.33	4.33%
2025-06-03		4.33	4.33%
2025-06-04		4.33	4.33%
2025-06-05		4.33	4.33%
2025-06-06		4.33	4.33%
2025-06-09		4.33	4.33%
2025-06-10		4.33	4.33%
2025-06-11		4.33	4.33%
2025-06-12		4.33	4.33%
2025-06-13		4.33	4.33%
2025-06-16		4.33	4.33%
2025-06-17		4.33	4.33%
2025-06-18		4.33	4.33%
2025-06-19	#N/A		4.33%
2025-06-20		4.33	4.33%
2025-06-23		4.33	4.33%
2025-06-24		4.33	4.33%
2025-06-25		4.33	4.33%
2025-06-26		4.33	4.33%
2025-06-27		4.33	4.33%
2025-06-30		4.33	4.33%
2025-07-01		4.33	4.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2025-07-02		4.33	4.33%
2025-07-03		4.33	4.33%
2025-07-04	#N/A		4.33%
2025-07-07		4.33	4.33%
2025-07-08		4.33	4.33%
2025-07-09		4.33	4.33%
2025-07-10		4.33	4.33%
2025-07-11		4.33	4.33%
2025-07-14		4.33	4.33%
2025-07-15		4.33	4.33%
2025-07-16		4.33	4.33%
2025-07-17		4.33	4.33%
2025-07-18		4.33	4.33%
2025-07-21		4.33	4.33%
2025-07-22		4.33	4.33%
2025-07-23		4.33	4.33%
2025-07-24		4.33	4.33%
2025-07-25		4.33	4.33%
2025-07-28		4.33	4.33%
2025-07-29		4.33	4.33%
2025-07-30		4.33	4.33%
2025-07-31		4.33	4.33%
2025-08-01		4.33	4.33%
2025-08-04		4.33	4.33%
2025-08-05		4.33	4.33%
2025-08-06		4.33	4.33%
2025-08-07		4.33	4.33%
2025-08-08		4.33	4.33%
2025-08-11		4.33	4.33%
2025-08-12		4.33	4.33%
2025-08-13		4.33	4.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2025-08-14		4.33	4.33%
2025-08-15		4.33	4.33%
2025-08-18		4.33	4.33%
2025-08-19		4.33	4.33%
2025-08-20		4.33	4.33%
2025-08-21		4.33	4.33%
2025-08-22		4.33	4.33%
2025-08-25		4.33	4.33%
2025-08-26		4.33	4.33%
2025-08-27		4.33	4.33%
2025-08-28		4.33	4.33%
2025-08-29		4.33	4.33%
2025-09-01	#N/A		4.33%
2025-09-02		4.33	4.33%
2025-09-03		4.33	4.33%
2025-09-04		4.33	4.33%
2025-09-05		4.33	4.33%
2025-09-08		4.33	4.33%
2025-09-09		4.33	4.33%
2025-09-10		4.33	4.33%
2025-09-11		4.33	4.33%
2025-09-12		4.33	4.33%
2025-09-15		4.33	4.33%
2025-09-16		4.33	4.33%
2025-09-17		4.33	4.33%
2025-09-18		4.08	4.08%
2025-09-19		4.08	4.08%
2025-09-22		4.09	4.09%
2025-09-23		4.09	4.09%
2025-09-24		4.09	4.09%
2025-09-25		4.09	4.09%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2025-09-26	4.09	4.09%
2025-09-29	4.09	4.09%
2025-09-30	4.09	4.09%
2025-10-01	4.09	4.09%
2025-10-02	4.09	4.09%
2025-10-03	4.09	4.09%
2025-10-06	4.09	4.09%
2025-10-07	4.09	4.09%
2025-10-08	4.1	4.10%
2025-10-09	4.1	4.10%
2025-10-10	4.1	4.10%
2025-10-13	#N/A	4.10%
2025-10-14	4.1	4.10%
2025-10-15	4.1	4.10%
2025-10-16	4.11	4.11%
2025-10-17	4.11	4.11%
2025-10-20	4.11	4.11%
2025-10-21	4.11	4.11%
2025-10-22	4.11	4.11%
2025-10-23	4.11	4.11%
2025-10-24	4.11	4.11%
2025-10-27	4.12	4.12%
2025-10-28	4.12	4.12%
2025-10-29	4.12	4.12%
2025-10-30	3.87	3.87%
2025-10-31	3.86	3.86%
2025-11-03	3.87	3.87%
2025-11-04	3.87	3.87%
2025-11-05	3.87	3.87%
2025-11-06	3.87	3.87%
2025-11-07	3.87	3.87%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2025-11-10	3.87	3.87%
2025-11-11	#N/A	3.87%
2025-11-12	3.87	3.87%
2025-11-13	3.88	3.88%
2025-11-14	3.88	3.88%
2025-11-17	3.88	3.88%
2025-11-18	3.88	3.88%
2025-11-19	3.88	3.88%
2025-11-20	3.88	3.88%
2025-11-21	3.88	3.88%
2025-11-24	3.88	3.88%
2025-11-25	3.88	3.88%
2025-11-26	3.88	3.88%
2025-11-27	#N/A	3.88%
2025-11-28	3.89	3.89%
2025-12-01	3.89	3.89%
2025-12-02	3.89	3.89%
2025-12-03	3.89	3.89%
2025-12-04	3.89	3.89%
2025-12-05	3.89	3.89%
2025-12-08	3.89	3.89%
2025-12-09	3.89	3.89%
2025-12-10	3.89	3.89%
2025-12-11	3.64	3.64%
2025-12-12	3.64	3.64%
2025-12-15	3.64	3.64%
2025-12-16	3.64	3.64%
2025-12-17	3.64	3.64%
2025-12-18	3.64	3.64%
2025-12-19	3.64	3.64%
2025-12-22	3.64	3.64%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2025-12-23		3.64	3.64%
2025-12-24		3.64	3.64%
2025-12-25	#N/A		3.64%
2025-12-26		3.64	3.64%
2025-12-29		3.64	3.64%
2025-12-30		3.64	3.64%
2025-12-31		3.64	3.64%
2026-01-01	#N/A		3.64%
2026-01-02		3.64	3.64%
2026-01-05		3.64	3.64%
2026-01-06		3.64	3.64%
2026-01-07		3.64	3.64%
2026-01-08		3.64	3.64%
2026-01-09		3.64	3.64%
2026-01-12		3.64	3.64%
2026-01-13		3.64	3.64%
2026-01-14		3.64	3.64%
2026-01-15		3.64	3.64%
2026-01-16		3.64	3.64%
2026-01-19	#N/A		3.64%
2026-01-20		3.64	3.64%
2026-01-21		3.64	3.64%
2026-01-22		3.64	3.64%
2026-01-23		3.64	3.64%
2026-01-26		3.64	3.64%
2026-01-27		3.64	3.64%
2026-01-28		3.64	3.64%
2026-01-29		3.64	3.64%
2026-01-30		3.64	3.64%
2026-02-02		3.64	3.64%
2026-02-03		3.64	3.64%

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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR		
2026-02-04		3.64	3.64%
2026-02-05		3.64	3.64%
2026-02-06		3.64	3.64%
2026-02-09		3.64	3.64%
2026-02-10		3.64	3.64%
2026-02-11		3.64	3.64%
2026-02-12		3.64	3.64%
2026-02-13		3.64	3.64%
2026-02-16	#N/A		3.64%
2026-02-17		3.64	3.64%
2026-02-18		3.64	3.64%
2026-02-19		3.64	3.64%
2026-02-20		3.64	3.64%
2026-02-23		3.64	3.64%
2026-02-24		3.64	3.64%
2026-02-25		3.64	3.64%
2026-02-26		3.64	3.64%
2026-02-27		3.64	3.64%
2026-03-02		3.64	3.64%
2026-03-03		3.64	3.64%
2026-03-04		3.64	3.64%
2026-03-05		3.64	3.64%
2026-03-06		3.64	3.64%
2026-03-09		3.64	3.64%
2026-03-10		3.64	3.64%
2026-03-11		3.64	3.64%
2026-03-12		3.64	3.64%
2026-03-13		3.64	3.64%
2026-03-16		3.64	3.64%
2026-03-17		3.64	3.64%
2026-03-18		3.64	3.64%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2026-03-19	3.64	3.64%
2026-03-20	3.64	3.64%
2026-03-23	3.64	3.64%
2026-03-24	3.64	3.64%
2026-03-25	3.64	3.64%
2026-03-26	3.64	3.64%
2026-03-27	3.64	3.64%
2026-03-30	3.64	3.64%
2026-03-31	3.64	3.64%
2026-04-01	3.64	3.64%
2026-04-02	3.64	3.64%
2026-04-03	3.64	3.64%
2026-04-06	3.64	3.64%
2026-04-07	3.64	3.64%
2026-04-08	3.64	3.64%
2026-04-09	3.64	3.64%
2026-04-10	3.64	3.64%
2026-04-13	3.64	3.64%
2026-04-14	3.64	3.64%
2026-04-15	3.64	3.64%
2026-04-16	3.64	3.64%
2026-04-17	3.64	3.64%
2026-04-20	3.64	3.64%
2026-04-21	3.64	3.64%
2026-04-22	3.64	3.64%
2026-04-23	3.64	3.64%
2026-04-24	3.64	3.64%
2026-04-27	3.64	3.64%
2026-04-28	3.64	3.64%
2026-04-29	3.64	3.64%
2026-04-30	3.64	3.64%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2026-05-01	3.64	3.64%
2026-05-04	3.64	3.64%
2026-05-05	3.64	3.64%
2026-05-06	3.64	3.64%
2026-05-07	3.63	3.63%
2026-05-08	3.63	3.63%
2026-05-11	3.63	3.63%
2026-05-12	3.63	3.63%
2026-05-13	3.63	3.63%
2026-05-14	3.63	3.63%
2026-05-15	3.63	3.63%
2026-05-18	3.63	3.63%
2026-05-19	3.62	3.62%
2026-05-20	3.62	3.62%
2026-05-21	3.62	3.62%
2026-05-22	3.62	3.62%
2026-05-25		0.00%
2026-05-26	3.62	3.62%
2026-05-27	3.62	3.62%
2026-05-28	3.62	3.62%
2026-05-29	3.62	3.62%
2026-06-01	3.62	3.62%
2026-06-02	3.62	3.62%
2026-06-03	3.62	3.62%
2026-06-04	3.62	3.62%
2026-06-05	3.62	3.62%
2026-06-08	3.62	3.62%
2026-06-09	3.62	3.62%
2026-06-10	3.62	3.62%
2026-06-11	3.62	3.62%
2026-06-12	3.62	3.62%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

EFFR Effective Federal Funds Rate, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	EFFR	
2026-06-15	3.63	3.63%
2026-06-16	3.63	3.63%
2026-06-17	3.63	3.63%
2026-06-18	3.63	3.63%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2000-01-03	6.61	6.61%
2000-01-04	6.53	6.53%
2000-01-05	6.64	6.64%
2000-01-06	6.58	6.58%
2000-01-07	6.55	6.55%
2000-01-10	6.59	6.59%
2000-01-11	6.68	6.68%
2000-01-12	6.71	6.71%
2000-01-13	6.65	6.65%
2000-01-14	6.69	6.69%
2000-01-17	#N/A	6.69%
2000-01-18	6.75	6.75%
2000-01-19	6.72	6.72%
2000-01-20	6.74	6.74%
2000-01-21	6.71	6.71%
2000-01-24	6.65	6.65%
2000-01-25	6.64	6.64%
2000-01-26	6.60	6.60%
2000-01-27	6.53	6.53%
2000-01-28	6.45	6.45%
2000-01-31	6.49	6.49%
2000-02-01	6.43	6.43%
2000-02-02	6.32	6.32%
2000-02-03	6.17	6.17%
2000-02-04	6.23	6.23%
2000-02-07	6.34	6.34%
2000-02-08	6.22	6.22%
2000-02-09	6.32	6.32%
2000-02-10	6.35	6.35%
2000-02-11	6.29	6.29%
2000-02-14	6.22	6.22%
2000-02-15	6.26	6.26%
2000-02-16	6.27	6.27%
2000-02-17	6.23	6.23%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2000-02-18	6.16	6.16%
2000-02-21	#N/A	6.16%
2000-02-22	6.08	6.08%
2000-02-23	6.14	6.14%
2000-02-24	6.13	6.13%
2000-02-25	6.17	6.17%
2000-02-28	6.16	6.16%
2000-02-29	6.15	6.15%
2000-03-01	6.16	6.16%
2000-03-02	6.15	6.15%
2000-03-03	6.13	6.13%
2000-03-06	6.16	6.16%
2000-03-07	6.16	6.16%
2000-03-08	6.17	6.17%
2000-03-09	6.16	6.16%
2000-03-10	6.19	6.19%
2000-03-13	6.17	6.17%
2000-03-14	6.11	6.11%
2000-03-15	6.07	6.07%
2000-03-16	6.05	6.05%
2000-03-17	6.01	6.01%
2000-03-20	5.99	5.99%
2000-03-21	5.97	5.97%
2000-03-22	5.97	5.97%
2000-03-23	5.92	5.92%
2000-03-24	6.00	6.00%
2000-03-27	5.99	5.99%
2000-03-28	5.98	5.98%
2000-03-29	5.99	5.99%
2000-03-30	5.89	5.89%
2000-03-31	5.84	5.84%
2000-04-03	5.84	5.84%
2000-04-04	5.77	5.77%
2000-04-05	5.81	5.81%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2000-04-06	5.80	5.80%
2000-04-07	5.71	5.71%
2000-04-10	5.69	5.69%
2000-04-11	5.77	5.77%
2000-04-12	5.84	5.84%
2000-04-13	5.81	5.81%
2000-04-14	5.79	5.79%
2000-04-17	5.92	5.92%
2000-04-18	5.92	5.92%
2000-04-19	5.85	5.85%
2000-04-20	5.83	5.83%
2000-04-21	#N/A	5.83%
2000-04-24	5.86	5.86%
2000-04-25	5.95	5.95%
2000-04-26	5.95	5.95%
2000-04-27	6.00	6.00%
2000-04-28	5.97	5.97%
2000-05-01	5.98	5.98%
2000-05-02	6.03	6.03%
2000-05-03	6.11	6.11%
2000-05-04	6.19	6.19%
2000-05-05	6.20	6.20%
2000-05-08	6.25	6.25%
2000-05-09	6.22	6.22%
2000-05-10	6.18	6.18%
2000-05-11	6.16	6.16%
2000-05-12	6.20	6.20%
2000-05-15	6.17	6.17%
2000-05-16	6.12	6.12%
2000-05-17	6.18	6.18%
2000-05-18	6.24	6.24%
2000-05-19	6.22	6.22%
2000-05-22	6.18	6.18%
2000-05-23	6.17	6.17%

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Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2000-05-24	6.19	6.19%
2000-05-25	6.11	6.11%
2000-05-26	6.06	6.06%
2000-05-29	#N/A	6.06%
2000-05-30	6.09	6.09%
2000-05-31	6.02	6.02%
2000-06-01	5.95	5.95%
2000-06-02	5.94	5.94%
2000-06-05	5.91	5.91%
2000-06-06	5.91	5.91%
2000-06-07	5.89	5.89%
2000-06-08	5.89	5.89%
2000-06-09	5.89	5.89%
2000-06-12	5.88	5.88%
2000-06-13	5.94	5.94%
2000-06-14	5.91	5.91%
2000-06-15	5.93	5.93%
2000-06-16	5.88	5.88%
2000-06-19	5.89	5.89%
2000-06-20	5.90	5.90%
2000-06-21	5.96	5.96%
2000-06-22	5.98	5.98%
2000-06-23	6.04	6.04%
2000-06-26	5.99	5.99%
2000-06-27	5.95	5.95%
2000-06-28	5.97	5.97%
2000-06-29	5.88	5.88%
2000-06-30	5.90	5.90%
2000-07-03	5.87	5.87%
2000-07-04	#N/A	5.87%
2000-07-05	5.86	5.86%
2000-07-06	5.91	5.91%
2000-07-07	5.87	5.87%
2000-07-10	5.88	5.88%

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Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2000-07-11	5.89	5.89%
2000-07-12	5.89	5.89%
2000-07-13	5.81	5.81%
2000-07-14	5.88	5.88%
2000-07-17	5.93	5.93%
2000-07-18	5.92	5.92%
2000-07-19	5.92	5.92%
2000-07-20	5.81	5.81%
2000-07-21	5.79	5.79%
2000-07-24	5.81	5.81%
2000-07-25	5.81	5.81%
2000-07-26	5.82	5.82%
2000-07-27	5.78	5.78%
2000-07-28	5.78	5.78%
2000-07-31	5.79	5.79%
2000-08-01	5.74	5.74%
2000-08-02	5.77	5.77%
2000-08-03	5.74	5.74%
2000-08-04	5.72	5.72%
2000-08-07	5.76	5.76%
2000-08-08	5.73	5.73%
2000-08-09	5.73	5.73%
2000-08-10	5.68	5.68%
2000-08-11	5.72	5.72%
2000-08-14	5.70	5.70%
2000-08-15	5.72	5.72%
2000-08-16	5.73	5.73%
2000-08-17	5.72	5.72%
2000-08-18	5.69	5.69%
2000-08-21	5.71	5.71%
2000-08-22	5.71	5.71%
2000-08-23	5.68	5.68%
2000-08-24	5.67	5.67%
2000-08-25	5.67	5.67%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2000-08-28	5.72	5.72%
2000-08-29	5.75	5.75%
2000-08-30	5.74	5.74%
2000-08-31	5.67	5.67%
2000-09-01	5.67	5.67%
2000-09-04	#N/A	5.67%
2000-09-05	5.67	5.67%
2000-09-06	5.71	5.71%
2000-09-07	5.72	5.72%
2000-09-08	5.70	5.70%
2000-09-11	5.73	5.73%
2000-09-12	5.76	5.76%
2000-09-13	5.73	5.73%
2000-09-14	5.81	5.81%
2000-09-15	5.90	5.90%
2000-09-18	5.96	5.96%
2000-09-19	5.92	5.92%
2000-09-20	5.97	5.97%
2000-09-21	5.93	5.93%
2000-09-22	5.92	5.92%
2000-09-25	5.90	5.90%
2000-09-26	5.86	5.86%
2000-09-27	5.90	5.90%
2000-09-28	5.89	5.89%
2000-09-29	5.88	5.88%
2000-10-02	5.93	5.93%
2000-10-03	5.94	5.94%
2000-10-04	5.95	5.95%
2000-10-05	5.91	5.91%
2000-10-06	5.85	5.85%
2000-10-09	#N/A	5.85%
2000-10-10	5.83	5.83%
2000-10-11	5.83	5.83%
2000-10-12	5.82	5.82%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2000-10-13	5.80	5.80%
2000-10-16	5.81	5.81%
2000-10-17	5.77	5.77%
2000-10-18	5.77	5.77%
2000-10-19	5.76	5.76%
2000-10-20	5.73	5.73%
2000-10-23	5.68	5.68%
2000-10-24	5.71	5.71%
2000-10-25	5.75	5.75%
2000-10-26	5.74	5.74%
2000-10-27	5.74	5.74%
2000-10-30	5.76	5.76%
2000-10-31	5.79	5.79%
2000-11-01	5.78	5.78%
2000-11-02	5.79	5.79%
2000-11-03	5.86	5.86%
2000-11-06	5.89	5.89%
2000-11-07	5.90	5.90%
2000-11-08	5.89	5.89%
2000-11-09	5.85	5.85%
2000-11-10	5.88	5.88%
2000-11-13	5.85	5.85%
2000-11-14	5.81	5.81%
2000-11-15	5.77	5.77%
2000-11-16	5.75	5.75%
2000-11-17	5.78	5.78%
2000-11-20	5.76	5.76%
2000-11-21	5.74	5.74%
2000-11-22	5.68	5.68%
2000-11-23	#N/A	5.68%
2000-11-24	5.67	5.67%
2000-11-27	5.71	5.71%
2000-11-28	5.67	5.67%
2000-11-29	5.66	5.66%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2000-11-30	5.60	5.60%
2000-12-01	5.64	5.64%
2000-12-04	5.66	5.66%
2000-12-05	5.59	5.59%
2000-12-06	5.52	5.52%
2000-12-07	5.51	5.51%
2000-12-08	5.55	5.55%
2000-12-11	5.54	5.54%
2000-12-12	5.53	5.53%
2000-12-13	5.48	5.48%
2000-12-14	5.45	5.45%
2000-12-15	5.44	5.44%
2000-12-18	5.44	5.44%
2000-12-19	5.47	5.47%
2000-12-20	5.42	5.42%
2000-12-21	5.41	5.41%
2000-12-22	5.40	5.40%
2000-12-25	#N/A	5.40%
2000-12-26	5.41	5.41%
2000-12-27	5.45	5.45%
2000-12-28	5.44	5.44%
2000-12-29	5.46	5.46%
2001-01-01	#N/A	5.46%
2001-01-02	5.35	5.35%
2001-01-03	5.49	5.49%
2001-01-04	5.44	5.44%
2001-01-05	5.41	5.41%
2001-01-08	5.42	5.42%
2001-01-09	5.43	5.43%
2001-01-10	5.49	5.49%
2001-01-11	5.55	5.55%
2001-01-12	5.63	5.63%
2001-01-15	#N/A	5.63%
2001-01-16	5.60	5.60%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2001-01-17	5.52	5.52%
2001-01-18	5.47	5.47%
2001-01-19	5.56	5.56%
2001-01-22	5.61	5.61%
2001-01-23	5.65	5.65%
2001-01-24	5.67	5.67%
2001-01-25	5.61	5.61%
2001-01-26	5.64	5.64%
2001-01-29	5.69	5.69%
2001-01-30	5.59	5.59%
2001-01-31	5.54	5.54%
2001-02-01	5.46	5.46%
2001-02-02	5.51	5.51%
2001-02-05	5.48	5.48%
2001-02-06	5.51	5.51%
2001-02-07	5.52	5.52%
2001-02-08	5.44	5.44%
2001-02-09	5.38	5.38%
2001-02-12	5.42	5.42%
2001-02-13	5.43	5.43%
2001-02-14	5.44	5.44%
2001-02-15	5.50	5.50%
2001-02-16	5.46	5.46%
2001-02-19	#N/A	5.46%
2001-02-20	5.46	5.46%
2001-02-21	5.49	5.49%
2001-02-22	5.52	5.52%
2001-02-23	5.49	5.49%
2001-02-26	5.45	5.45%
2001-02-27	5.34	5.34%
2001-02-28	5.34	5.34%
2001-03-01	5.29	5.29%
2001-03-02	5.38	5.38%
2001-03-05	5.36	5.36%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2001-03-06	5.38	5.38%
2001-03-07	5.32	5.32%
2001-03-08	5.30	5.30%
2001-03-09	5.32	5.32%
2001-03-12	5.31	5.31%
2001-03-13	5.34	5.34%
2001-03-14	5.28	5.28%
2001-03-15	5.29	5.29%
2001-03-16	5.28	5.28%
2001-03-19	5.30	5.30%
2001-03-20	5.27	5.27%
2001-03-21	5.28	5.28%
2001-03-22	5.25	5.25%
2001-03-23	5.30	5.30%
2001-03-26	5.36	5.36%
2001-03-27	5.45	5.45%
2001-03-28	5.47	5.47%
2001-03-29	5.48	5.48%
2001-03-30	5.46	5.46%
2001-04-02	5.49	5.49%
2001-04-03	5.48	5.48%
2001-04-04	5.50	5.50%
2001-04-05	5.53	5.53%
2001-04-06	5.46	5.46%
2001-04-09	5.50	5.50%
2001-04-10	5.63	5.63%
2001-04-11	5.60	5.60%
2001-04-12	5.61	5.61%
2001-04-13	#N/A	5.61%
2001-04-16	5.70	5.70%
2001-04-17	5.65	5.65%
2001-04-18	5.65	5.65%
2001-04-19	5.77	5.77%
2001-04-20	5.79	5.79%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2001-04-23	5.73	5.73%
2001-04-24	5.75	5.75%
2001-04-25	5.78	5.78%
2001-04-26	5.71	5.71%
2001-04-27	5.81	5.81%
2001-04-30	5.78	5.78%
2001-05-01	5.75	5.75%
2001-05-02	5.71	5.71%
2001-05-03	5.64	5.64%
2001-05-04	5.65	5.65%
2001-05-07	5.68	5.68%
2001-05-08	5.72	5.72%
2001-05-09	5.67	5.67%
2001-05-10	5.75	5.75%
2001-05-11	5.88	5.88%
2001-05-14	5.85	5.85%
2001-05-15	5.89	5.89%
2001-05-16	5.86	5.86%
2001-05-17	5.80	5.80%
2001-05-18	5.76	5.76%
2001-05-21	5.75	5.75%
2001-05-22	5.78	5.78%
2001-05-23	5.79	5.79%
2001-05-24	5.87	5.87%
2001-05-25	5.86	5.86%
2001-05-28	#N/A	5.86%
2001-05-29	5.86	5.86%
2001-05-30	5.86	5.86%
2001-05-31	5.78	5.78%
2001-06-01	5.71	5.71%
2001-06-04	5.69	5.69%
2001-06-05	5.66	5.66%
2001-06-06	5.65	5.65%
2001-06-07	5.72	5.72%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2001-06-08	5.73	5.73%
2001-06-11	5.69	5.69%
2001-06-12	5.65	5.65%
2001-06-13	5.66	5.66%
2001-06-14	5.65	5.65%
2001-06-15	5.68	5.68%
2001-06-18	5.70	5.70%
2001-06-19	5.69	5.69%
2001-06-20	5.67	5.67%
2001-06-21	5.64	5.64%
2001-06-22	5.58	5.58%
2001-06-25	5.59	5.59%
2001-06-26	5.65	5.65%
2001-06-27	5.62	5.62%
2001-06-28	5.68	5.68%
2001-06-29	5.75	5.75%
2001-07-02	5.70	5.70%
2001-07-03	5.73	5.73%
2001-07-04	#N/A	5.73%
2001-07-05	5.76	5.76%
2001-07-06	5.75	5.75%
2001-07-09	5.70	5.70%
2001-07-10	5.68	5.68%
2001-07-11	5.69	5.69%
2001-07-12	5.65	5.65%
2001-07-13	5.64	5.64%
2001-07-16	5.59	5.59%
2001-07-17	5.59	5.59%
2001-07-18	5.52	5.52%
2001-07-19	5.53	5.53%
2001-07-20	5.54	5.54%
2001-07-23	5.53	5.53%
2001-07-24	5.52	5.52%
2001-07-25	5.58	5.58%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30		
2001-07-26	5.59	5.59%
2001-07-27	5.55	5.55%
2001-07-30	5.53	5.53%
2001-07-31	5.51	5.51%
2001-08-01	5.53	5.53%
2001-08-02	5.57	5.57%
2001-08-03	5.59	5.59%
2001-08-06	5.59	5.59%
2001-08-07	5.60	5.60%
2001-08-08	5.52	5.52%
2001-08-09	5.54	5.54%
2001-08-10	5.52	5.52%
2001-08-13	5.52	5.52%
2001-08-14	5.51	5.51%
2001-08-15	5.52	5.52%
2001-08-16	5.48	5.48%
2001-08-17	5.43	5.43%
2001-08-20	5.46	5.46%
2001-08-21	5.44	5.44%
2001-08-22	5.44	5.44%
2001-08-23	5.41	5.41%
2001-08-24	5.45	5.45%
2001-08-27	5.47	5.47%
2001-08-28	5.41	5.41%
2001-08-29	5.36	5.36%
2001-08-30	5.37	5.37%
2001-08-31	5.39	5.39%
2001-09-03	#N/A	5.39%
2001-09-04	5.50	5.50%
2001-09-05	5.48	5.48%
2001-09-06	5.41	5.41%
2001-09-07	5.39	5.39%
2001-09-10	5.43	5.43%
2001-09-11	#N/A	5.43%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30		
2001-09-12	#N/A	#N/A	
2001-09-13	5.39		5.39%
2001-09-14	5.35		5.35%
2001-09-17	5.41		5.41%
2001-09-18	5.55		5.55%
2001-09-19	5.56		5.56%
2001-09-20	5.62		5.62%
2001-09-21	5.59		5.59%
2001-09-24	5.58		5.58%
2001-09-25	5.58		5.58%
2001-09-26	5.50		5.50%
2001-09-27	5.45		5.45%
2001-09-28	5.42		5.42%
2001-10-01	5.38		5.38%
2001-10-02	5.34		5.34%
2001-10-03	5.32		5.32%
2001-10-04	5.31		5.31%
2001-10-05	5.31		5.31%
2001-10-08	#N/A		5.31%
2001-10-09	5.39		5.39%
2001-10-10	5.36		5.36%
2001-10-11	5.41		5.41%
2001-10-12	5.42		5.42%
2001-10-15	5.38		5.38%
2001-10-16	5.35		5.35%
2001-10-17	5.32		5.32%
2001-10-18	5.32		5.32%
2001-10-19	5.36		5.36%
2001-10-22	5.36		5.36%
2001-10-23	5.38		5.38%
2001-10-24	5.32		5.32%
2001-10-25	5.28		5.28%
2001-10-26	5.27		5.27%
2001-10-29	5.25		5.25%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2001-10-30	5.22	5.22%
2001-10-31	4.89	4.89%
2001-11-01	4.79	4.79%
2001-11-02	4.96	4.96%
2001-11-05	4.86	4.86%
2001-11-06	4.86	4.86%
2001-11-07	4.79	4.79%
2001-11-08	4.87	4.87%
2001-11-09	4.88	4.88%
2001-11-12	#N/A	4.88%
2001-11-13	4.92	4.92%
2001-11-14	5.02	5.02%
2001-11-15	5.22	5.22%
2001-11-16	5.30	5.30%
2001-11-19	5.22	5.22%
2001-11-20	5.30	5.30%
2001-11-21	5.35	5.35%
2001-11-22	#N/A	5.35%
2001-11-23	5.39	5.39%
2001-11-26	5.39	5.39%
2001-11-27	5.37	5.37%
2001-11-28	5.36	5.36%
2001-11-29	5.24	5.24%
2001-11-30	5.27	5.27%
2001-12-03	5.26	5.26%
2001-12-04	5.22	5.22%
2001-12-05	5.35	5.35%
2001-12-06	5.47	5.47%
2001-12-07	5.60	5.60%
2001-12-10	5.58	5.58%
2001-12-11	5.55	5.55%
2001-12-12	5.47	5.47%
2001-12-13	5.53	5.53%
2001-12-14	5.59	5.59%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2001-12-17	5.61	5.61%
2001-12-18	5.52	5.52%
2001-12-19	5.45	5.45%
2001-12-20	5.43	5.43%
2001-12-21	5.45	5.45%
2001-12-24	5.49	5.49%
2001-12-25	#N/A	5.49%
2001-12-26	5.52	5.52%
2001-12-27	5.49	5.49%
2001-12-28	5.54	5.54%
2001-12-31	5.48	5.48%
2002-01-01	#N/A	5.48%
2002-01-02	5.56	5.56%
2002-01-03	5.54	5.54%
2002-01-04	5.57	5.57%
2002-01-07	5.49	5.49%
2002-01-08	5.51	5.51%
2002-01-09	5.51	5.51%
2002-01-10	5.42	5.42%
2002-01-11	5.37	5.37%
2002-01-14	5.38	5.38%
2002-01-15	5.34	5.34%
2002-01-16	5.36	5.36%
2002-01-17	5.41	5.41%
2002-01-18	5.36	5.36%
2002-01-21	#N/A	5.36%
2002-01-22	5.39	5.39%
2002-01-23	5.48	5.48%
2002-01-24	5.47	5.47%
2002-01-25	5.47	5.47%
2002-01-28	5.47	5.47%
2002-01-29	5.40	5.40%
2002-01-30	5.41	5.41%
2002-01-31	5.44	5.44%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2002-02-01	5.40	5.40%
2002-02-04	5.35	5.35%
2002-02-05	5.35	5.35%
2002-02-06	5.38	5.38%
2002-02-07	5.42	5.42%
2002-02-08	5.39	5.39%
2002-02-11	5.41	5.41%
2002-02-12	5.45	5.45%
2002-02-13	5.47	5.47%
2002-02-14	5.42	5.42%
2002-02-15	5.37	5.37%
2002-02-18	#N/A	5.37%
2002-02-19	5.54	5.54%
2002-02-20	5.53	5.53%
2002-02-21	5.53	5.53%
2002-02-22	5.48	5.48%
2002-02-25	5.51	5.51%
2002-02-26	5.53	5.53%
2002-02-27	5.51	5.51%
2002-02-28	5.54	5.54%
2002-03-01	5.60	5.60%
2002-03-04	5.61	5.61%
2002-03-05	5.60	5.60%
2002-03-06	5.67	5.67%
2002-03-07	5.76	5.76%
2002-03-08	5.83	5.83%
2002-03-11	5.81	5.81%
2002-03-12	5.84	5.84%
2002-03-13	5.83	5.83%
2002-03-14	5.90	5.90%
2002-03-15	5.86	5.86%
2002-03-18	5.83	5.83%
2002-03-19	5.86	5.86%
2002-03-20	5.89	5.89%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2002-03-21	5.87	5.87%
2002-03-22	5.89	5.89%
2002-03-25	5.91	5.91%
2002-03-26	5.84	5.84%
2002-03-27	5.86	5.86%
2002-03-28	5.91	5.91%
2002-03-29	#N/A	5.91%
2002-04-01	5.92	5.92%
2002-04-02	5.86	5.86%
2002-04-03	5.82	5.82%
2002-04-04	5.82	5.82%
2002-04-05	5.79	5.79%
2002-04-08	5.82	5.82%
2002-04-09	5.79	5.79%
2002-04-10	5.78	5.78%
2002-04-11	5.78	5.78%
2002-04-12	5.79	5.79%
2002-04-15	5.76	5.76%
2002-04-16	5.78	5.78%
2002-04-17	5.85	5.85%
2002-04-18	5.86	5.86%
2002-04-19	5.80	5.80%
2002-04-22	5.78	5.78%
2002-04-23	5.78	5.78%
2002-04-24	5.72	5.72%
2002-04-25	5.72	5.72%
2002-04-26	5.73	5.73%
2002-04-29	5.75	5.75%
2002-04-30	5.72	5.72%
2002-05-01	5.69	5.69%
2002-05-02	5.72	5.72%
2002-05-03	5.65	5.65%
2002-05-06	5.66	5.66%
2002-05-07	5.66	5.66%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2002-05-08	5.77	5.77%
2002-05-09	5.78	5.78%
2002-05-10	5.72	5.72%
2002-05-13	5.79	5.79%
2002-05-14	5.84	5.84%
2002-05-15	5.82	5.82%
2002-05-16	5.80	5.80%
2002-05-17	5.84	5.84%
2002-05-20	5.78	5.78%
2002-05-21	5.79	5.79%
2002-05-22	5.75	5.75%
2002-05-23	5.78	5.78%
2002-05-24	5.78	5.78%
2002-05-27	#N/A	5.78%
2002-05-28	5.78	5.78%
2002-05-29	5.77	5.77%
2002-05-30	5.74	5.74%
2002-05-31	5.75	5.75%
2002-06-03	5.76	5.76%
2002-06-04	5.75	5.75%
2002-06-05	5.79	5.79%
2002-06-06	5.77	5.77%
2002-06-07	5.81	5.81%
2002-06-10	5.76	5.76%
2002-06-11	5.71	5.71%
2002-06-12	5.68	5.68%
2002-06-13	5.65	5.65%
2002-06-14	5.59	5.59%
2002-06-17	5.63	5.63%
2002-06-18	5.62	5.62%
2002-06-19	5.58	5.58%
2002-06-20	5.64	5.64%
2002-06-21	5.56	5.56%
2002-06-24	5.62	5.62%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2002-06-25	5.64	5.64%
2002-06-26	5.60	5.60%
2002-06-27	5.68	5.68%
2002-06-28	5.70	5.70%
2002-07-01	5.67	5.67%
2002-07-02	5.64	5.64%
2002-07-03	5.62	5.62%
2002-07-04	#N/A	5.62%
2002-07-05	5.70	5.70%
2002-07-08	5.66	5.66%
2002-07-09	5.60	5.60%
2002-07-10	5.53	5.53%
2002-07-11	5.57	5.57%
2002-07-12	5.55	5.55%
2002-07-15	5.57	5.57%
2002-07-16	5.63	5.63%
2002-07-17	5.62	5.62%
2002-07-18	5.62	5.62%
2002-07-19	5.55	5.55%
2002-07-22	5.50	5.50%
2002-07-23	5.49	5.49%
2002-07-24	5.57	5.57%
2002-07-25	5.54	5.54%
2002-07-26	5.52	5.52%
2002-07-29	5.62	5.62%
2002-07-30	5.59	5.59%
2002-07-31	5.51	5.51%
2002-08-01	5.51	5.51%
2002-08-02	5.44	5.44%
2002-08-05	5.41	5.41%
2002-08-06	5.45	5.45%
2002-08-07	5.44	5.44%
2002-08-08	5.44	5.44%
2002-08-09	5.35	5.35%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2002-08-12	5.29	5.29%
2002-08-13	5.22	5.22%
2002-08-14	5.08	5.08%
2002-08-15	5.17	5.17%
2002-08-16	5.24	5.24%
2002-08-19	5.21	5.21%
2002-08-20	5.14	5.14%
2002-08-21	5.19	5.19%
2002-08-22	5.27	5.27%
2002-08-23	5.25	5.25%
2002-08-26	5.22	5.22%
2002-08-27	5.25	5.25%
2002-08-28	5.21	5.21%
2002-08-29	5.18	5.18%
2002-08-30	5.11	5.11%
2002-09-02	#N/A	5.11%
2002-09-03	5.02	5.02%
2002-09-04	4.98	4.98%
2002-09-05	4.98	4.98%
2002-09-06	5.07	5.07%
2002-09-09	5.04	5.04%
2002-09-10	5.03	5.03%
2002-09-11	5.08	5.08%
2002-09-12	5.03	5.03%
2002-09-13	4.97	4.97%
2002-09-16	4.95	4.95%
2002-09-17	4.96	4.96%
2002-09-18	4.95	4.95%
2002-09-19	4.90	4.90%
2002-09-20	4.95	4.95%
2002-09-23	4.88	4.88%
2002-09-24	4.84	4.84%
2002-09-25	4.91	4.91%
2002-09-26	4.93	4.93%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2002-09-27	4.91	4.91%
2002-09-30	4.88	4.88%
2002-10-01	5.01	5.01%
2002-10-02	4.98	4.98%
2002-10-03	4.99	4.99%
2002-10-04	5.00	5.00%
2002-10-07	4.98	4.98%
2002-10-08	4.99	4.99%
2002-10-09	4.95	4.95%
2002-10-10	4.98	4.98%
2002-10-11	5.06	5.06%
2002-10-14	#N/A	5.06%
2002-10-15	5.22	5.22%
2002-10-16	5.23	5.23%
2002-10-17	5.31	5.31%
2002-10-18	5.32	5.32%
2002-10-21	5.36	5.36%
2002-10-22	5.36	5.36%
2002-10-23	5.39	5.39%
2002-10-24	5.35	5.35%
2002-10-25	5.31	5.31%
2002-10-28	5.35	5.35%
2002-10-29	5.28	5.28%
2002-10-30	5.30	5.30%
2002-10-31	5.28	5.28%
2002-11-01	5.30	5.30%
2002-11-04	5.31	5.31%
2002-11-05	5.33	5.33%
2002-11-06	5.35	5.35%
2002-11-07	5.17	5.17%
2002-11-08	5.05	5.05%
2002-11-11	#N/A	5.05%
2002-11-12	5.05	5.05%
2002-11-13	5.01	5.01%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2002-11-14	5.16	5.16%
2002-11-15	5.12	5.12%
2002-11-18	5.10	5.10%
2002-11-19	5.06	5.06%
2002-11-20	5.14	5.14%
2002-11-21	5.20	5.20%
2002-11-22	5.22	5.22%
2002-11-25	5.23	5.23%
2002-11-26	5.15	5.15%
2002-11-27	5.28	5.28%
2002-11-28	#N/A	5.28%
2002-11-29	5.23	5.23%
2002-12-02	5.22	5.22%
2002-12-03	5.23	5.23%
2002-12-04	5.19	5.19%
2002-12-05	5.16	5.16%
2002-12-06	5.15	5.15%
2002-12-09	5.12	5.12%
2002-12-10	5.09	5.09%
2002-12-11	5.04	5.04%
2002-12-12	5.07	5.07%
2002-12-13	5.15	5.15%
2002-12-16	5.21	5.21%
2002-12-17	5.24	5.24%
2002-12-18	5.20	5.20%
2002-12-19	5.15	5.15%
2002-12-20	5.12	5.12%
2002-12-23	5.13	5.13%
2002-12-24	5.11	5.11%
2002-12-25	#N/A	5.11%
2002-12-26	5.11	5.11%
2002-12-27	5.06	5.06%
2002-12-30	5.02	5.02%
2002-12-31	5.03	5.03%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2003-01-01	#N/A	5.03%
2003-01-02	5.18	5.18%
2003-01-03	5.18	5.18%
2003-01-06	5.20	5.20%
2003-01-07	5.18	5.18%
2003-01-08	5.13	5.13%
2003-01-09	5.27	5.27%
2003-01-10	5.24	5.24%
2003-01-13	5.23	5.23%
2003-01-14	5.19	5.19%
2003-01-15	5.17	5.17%
2003-01-16	5.16	5.16%
2003-01-17	5.13	5.13%
2003-01-20	#N/A	5.13%
2003-01-21	5.11	5.11%
2003-01-22	5.07	5.07%
2003-01-23	5.08	5.08%
2003-01-24	5.05	5.05%
2003-01-27	5.06	5.06%
2003-01-28	5.06	5.06%
2003-01-29	5.11	5.11%
2003-01-30	5.06	5.06%
2003-01-31	5.03	5.03%
2003-02-03	5.01	5.01%
2003-02-04	4.99	4.99%
2003-02-05	5.02	5.02%
2003-02-06	4.99	4.99%
2003-02-07	4.98	4.98%
2003-02-10	5.04	5.04%
2003-02-11	5.06	5.06%
2003-02-12	5.08	5.08%
2003-02-13	5.04	5.04%
2003-02-14	5.09	5.09%
2003-02-17	#N/A	5.09%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2003-02-18	5.10	5.10%
2003-02-19	5.04	5.04%
2003-02-20	5.04	5.04%
2003-02-21	5.08	5.08%
2003-02-24	5.05	5.05%
2003-02-25	5.01	5.01%
2003-02-26	4.97	4.97%
2003-02-27	4.98	4.98%
2003-02-28	4.90	4.90%
2003-03-03	4.92	4.92%
2003-03-04	4.91	4.91%
2003-03-05	4.90	4.90%
2003-03-06	4.93	4.93%
2003-03-07	4.90	4.90%
2003-03-10	4.90	4.90%
2003-03-11	4.90	4.90%
2003-03-12	4.85	4.85%
2003-03-13	4.95	4.95%
2003-03-14	4.93	4.93%
2003-03-17	5.00	5.00%
2003-03-18	5.07	5.07%
2003-03-19	5.14	5.14%
2003-03-20	5.17	5.17%
2003-03-21	5.23	5.23%
2003-03-24	5.15	5.15%
2003-03-25	5.15	5.15%
2003-03-26	5.17	5.17%
2003-03-27	5.17	5.17%
2003-03-28	5.16	5.16%
2003-03-31	5.07	5.07%
2003-04-01	5.06	5.06%
2003-04-02	5.15	5.15%
2003-04-03	5.16	5.16%
2003-04-04	5.20	5.20%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2003-04-07	5.24	5.24%
2003-04-08	5.16	5.16%
2003-04-09	5.15	5.15%
2003-04-10	5.17	5.17%
2003-04-11	5.19	5.19%
2003-04-14	5.20	5.20%
2003-04-15	5.19	5.19%
2003-04-16	5.13	5.13%
2003-04-17	5.12	5.12%
2003-04-18	#N/A	5.12%
2003-04-21	5.13	5.13%
2003-04-22	5.12	5.12%
2003-04-23	5.10	5.10%
2003-04-24	5.05	5.05%
2003-04-25	5.04	5.04%
2003-04-28	5.04	5.04%
2003-04-29	5.07	5.07%
2003-04-30	5.00	5.00%
2003-05-01	5.01	5.01%
2003-05-02	5.05	5.05%
2003-05-05	5.03	5.03%
2003-05-06	5.02	5.02%
2003-05-07	4.96	4.96%
2003-05-08	4.96	4.96%
2003-05-09	4.95	4.95%
2003-05-12	4.91	4.91%
2003-05-13	4.92	4.92%
2003-05-14	4.76	4.76%
2003-05-15	4.69	4.69%
2003-05-16	4.67	4.67%
2003-05-19	4.67	4.67%
2003-05-20	4.59	4.59%
2003-05-21	4.54	4.54%
2003-05-22	4.50	4.50%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2003-05-23	4.44	4.44%
2003-05-26	#N/A	4.44%
2003-05-27	4.57	4.57%
2003-05-28	4.63	4.63%
2003-05-29	4.56	4.56%
2003-05-30	4.59	4.59%
2003-06-02	4.64	4.64%
2003-06-03	4.59	4.59%
2003-06-04	4.58	4.58%
2003-06-05	4.63	4.63%
2003-06-06	4.66	4.66%
2003-06-09	4.60	4.60%
2003-06-10	4.51	4.51%
2003-06-11	4.49	4.49%
2003-06-12	4.47	4.47%
2003-06-13	4.42	4.42%
2003-06-16	4.47	4.47%
2003-06-17	4.55	4.55%
2003-06-18	4.64	4.64%
2003-06-19	4.66	4.66%
2003-06-20	4.70	4.70%
2003-06-23	4.64	4.64%
2003-06-24	4.60	4.60%
2003-06-25	4.69	4.69%
2003-06-26	4.81	4.81%
2003-06-27	4.83	4.83%
2003-06-30	4.81	4.81%
2003-07-01	4.86	4.86%
2003-07-02	4.83	4.83%
2003-07-03	4.93	4.93%
2003-07-04	#N/A	4.93%
2003-07-07	4.98	4.98%
2003-07-08	4.95	4.95%
2003-07-09	4.93	4.93%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2003-07-10	4.94	4.94%
2003-07-11	4.94	4.94%
2003-07-14	4.98	4.98%
2003-07-15	5.12	5.12%
2003-07-16	5.10	5.10%
2003-07-17	5.08	5.08%
2003-07-18	5.09	5.09%
2003-07-21	5.25	5.25%
2003-07-22	5.23	5.23%
2003-07-23	5.20	5.20%
2003-07-24	5.25	5.25%
2003-07-25	5.31	5.31%
2003-07-28	5.39	5.39%
2003-07-29	5.46	5.46%
2003-07-30	5.43	5.43%
2003-07-31	5.56	5.56%
2003-08-01	5.47	5.47%
2003-08-04	5.47	5.47%
2003-08-05	5.51	5.51%
2003-08-06	5.42	5.42%
2003-08-07	5.40	5.40%
2003-08-08	5.40	5.40%
2003-08-11	5.47	5.47%
2003-08-12	5.49	5.49%
2003-08-13	5.60	5.60%
2003-08-14	5.57	5.57%
2003-08-15	5.57	5.57%
2003-08-18	5.50	5.50%
2003-08-19	5.41	5.41%
2003-08-20	5.42	5.42%
2003-08-21	5.43	5.43%
2003-08-22	5.40	5.40%
2003-08-25	5.40	5.40%
2003-08-26	5.39	5.39%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2003-08-27	5.40	5.40%
2003-08-28	5.34	5.34%
2003-08-29	5.30	5.30%
2003-09-01	#N/A	5.30%
2003-09-02	5.38	5.38%
2003-09-03	5.41	5.41%
2003-09-04	5.40	5.40%
2003-09-05	5.32	5.32%
2003-09-08	5.36	5.36%
2003-09-09	5.36	5.36%
2003-09-10	5.30	5.30%
2003-09-11	5.35	5.35%
2003-09-12	5.33	5.33%
2003-09-15	5.35	5.35%
2003-09-16	5.34	5.34%
2003-09-17	5.26	5.26%
2003-09-18	5.23	5.23%
2003-09-19	5.20	5.20%
2003-09-22	5.28	5.28%
2003-09-23	5.24	5.24%
2003-09-24	5.17	5.17%
2003-09-25	5.17	5.17%
2003-09-26	5.11	5.11%
2003-09-29	5.16	5.16%
2003-09-30	5.07	5.07%
2003-10-01	5.05	5.05%
2003-10-02	5.10	5.10%
2003-10-03	5.23	5.23%
2003-10-06	5.21	5.21%
2003-10-07	5.29	5.29%
2003-10-08	5.33	5.33%
2003-10-09	5.35	5.35%
2003-10-10	5.34	5.34%
2003-10-13	#N/A	5.34%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2003-10-14	5.40	5.40%
2003-10-15	5.41	5.41%
2003-10-16	5.41	5.41%
2003-10-17	5.37	5.37%
2003-10-20	5.35	5.35%
2003-10-21	5.33	5.33%
2003-10-22	5.30	5.30%
2003-10-23	5.36	5.36%
2003-10-24	5.27	5.27%
2003-10-27	5.30	5.30%
2003-10-28	5.27	5.27%
2003-10-29	5.32	5.32%
2003-10-30	5.33	5.33%
2003-10-31	5.28	5.28%
2003-11-03	5.30	5.30%
2003-11-04	5.27	5.27%
2003-11-05	5.32	5.32%
2003-11-06	5.37	5.37%
2003-11-07	5.38	5.38%
2003-11-10	5.39	5.39%
2003-11-11	#N/A	5.39%
2003-11-12	5.34	5.34%
2003-11-13	5.24	5.24%
2003-11-14	5.21	5.21%
2003-11-17	5.17	5.17%
2003-11-18	5.15	5.15%
2003-11-19	5.22	5.22%
2003-11-20	5.16	5.16%
2003-11-21	5.13	5.13%
2003-11-24	5.19	5.19%
2003-11-25	5.17	5.17%
2003-11-26	5.20	5.20%
2003-11-27	#N/A	5.20%
2003-11-28	5.23	5.23%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2003-12-01	5.28	5.28%
2003-12-02	5.25	5.25%
2003-12-03	5.28	5.28%
2003-12-04	5.27	5.27%
2003-12-05	5.20	5.20%
2003-12-08	5.26	5.26%
2003-12-09	5.26	5.26%
2003-12-10	5.28	5.28%
2003-12-11	5.27	5.27%
2003-12-12	5.23	5.23%
2003-12-15	5.24	5.24%
2003-12-16	5.23	5.23%
2003-12-17	5.16	5.16%
2003-12-18	5.10	5.10%
2003-12-19	5.11	5.11%
2003-12-22	5.13	5.13%
2003-12-23	5.20	5.20%
2003-12-24	5.15	5.15%
2003-12-25	#N/A	5.15%
2003-12-26	5.15	5.15%
2003-12-29	5.18	5.18%
2003-12-30	5.23	5.23%
2003-12-31	5.23	5.23%
2004-01-01	#N/A	5.23%
2004-01-02	5.30	5.30%
2004-01-05	5.28	5.28%
2004-01-06	5.26	5.26%
2004-01-07	5.22	5.22%
2004-01-08	5.20	5.20%
2004-01-09	5.14	5.14%
2004-01-12	5.12	5.12%
2004-01-13	5.11	5.11%
2004-01-14	5.06	5.06%
2004-01-15	5.03	5.03%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2004-01-16	5.04	5.04%
2004-01-19	#N/A	5.04%
2004-01-20	5.09	5.09%
2004-01-21	5.06	5.06%
2004-01-22	5.02	5.02%
2004-01-23	5.08	5.08%
2004-01-26	5.14	5.14%
2004-01-27	5.09	5.09%
2004-01-28	5.14	5.14%
2004-01-29	5.13	5.13%
2004-01-30	5.11	5.11%
2004-02-02	5.13	5.13%
2004-02-03	5.11	5.11%
2004-02-04	5.11	5.11%
2004-02-05	5.13	5.13%
2004-02-06	5.08	5.08%
2004-02-09	5.06	5.06%
2004-02-10	5.08	5.08%
2004-02-11	5.06	5.06%
2004-02-12	5.10	5.10%
2004-02-13	5.08	5.08%
2004-02-16	#N/A	5.08%
2004-02-17	5.07	5.07%
2004-02-18	5.07	5.07%
2004-02-19	5.04	5.04%
2004-02-20	5.09	5.09%
2004-02-23	5.11	5.11%
2004-02-24	5.06	5.06%
2004-02-25	5.02	5.02%
2004-02-26	5.05	5.05%
2004-02-27	5.01	5.01%
2004-03-01	4.99	4.99%
2004-03-02	5.06	5.06%
2004-03-03	5.02	5.02%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2004-03-04	4.99	4.99%
2004-03-05	4.91	4.91%
2004-03-08	4.87	4.87%
2004-03-09	4.85	4.85%
2004-03-10	4.83	4.83%
2004-03-11	4.87	4.87%
2004-03-12	4.89	4.89%
2004-03-15	4.88	4.88%
2004-03-16	4.82	4.82%
2004-03-17	4.83	4.83%
2004-03-18	4.87	4.87%
2004-03-19	4.89	4.89%
2004-03-22	4.84	4.84%
2004-03-23	4.83	4.83%
2004-03-24	4.83	4.83%
2004-03-25	4.86	4.86%
2004-03-26	4.91	4.91%
2004-03-29	4.96	4.96%
2004-03-30	4.96	4.96%
2004-03-31	4.93	4.93%
2004-04-01	5.01	5.01%
2004-04-02	5.13	5.13%
2004-04-05	5.18	5.18%
2004-04-06	5.17	5.17%
2004-04-07	5.18	5.18%
2004-04-08	5.17	5.17%
2004-04-09	#N/A	5.17%
2004-04-12	5.19	5.19%
2004-04-13	5.25	5.25%
2004-04-14	5.26	5.26%
2004-04-15	5.33	5.33%
2004-04-16	5.31	5.31%
2004-04-19	5.33	5.33%
2004-04-20	5.35	5.35%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2004-04-21	5.36	5.36%
2004-04-22	5.33	5.33%
2004-04-23	5.38	5.38%
2004-04-26	5.36	5.36%
2004-04-27	5.35	5.35%
2004-04-28	5.39	5.39%
2004-04-29	5.41	5.41%
2004-04-30	5.39	5.39%
2004-05-03	5.41	5.41%
2004-05-04	5.45	5.45%
2004-05-05	5.46	5.46%
2004-05-06	5.46	5.46%
2004-05-07	5.53	5.53%
2004-05-10	5.54	5.54%
2004-05-11	5.53	5.53%
2004-05-12	5.57	5.57%
2004-05-13	5.61	5.61%
2004-05-14	5.59	5.59%
2004-05-17	5.52	5.52%
2004-05-18	5.56	5.56%
2004-05-19	5.57	5.57%
2004-05-20	5.52	5.52%
2004-05-21	5.53	5.53%
2004-05-24	5.53	5.53%
2004-05-25	5.50	5.50%
2004-05-26	5.46	5.46%
2004-05-27	5.45	5.45%
2004-05-28	5.42	5.42%
2004-05-31	#N/A	5.42%
2004-06-01	5.48	5.48%
2004-06-02	5.50	5.50%
2004-06-03	5.49	5.49%
2004-06-04	5.54	5.54%
2004-06-07	5.50	5.50%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2004-06-08	5.53	5.53%
2004-06-09	5.53	5.53%
2004-06-10	5.51	5.51%
2004-06-11	#N/A	5.51%
2004-06-14	5.58	5.58%
2004-06-15	5.45	5.45%
2004-06-16	5.45	5.45%
2004-06-17	5.41	5.41%
2004-06-18	5.46	5.46%
2004-06-21	5.45	5.45%
2004-06-22	5.47	5.47%
2004-06-23	5.45	5.45%
2004-06-24	5.44	5.44%
2004-06-25	5.41	5.41%
2004-06-28	5.49	5.49%
2004-06-29	5.44	5.44%
2004-06-30	5.41	5.41%
2004-07-01	5.35	5.35%
2004-07-02	5.30	5.30%
2004-07-05	#N/A	5.30%
2004-07-06	5.32	5.32%
2004-07-07	5.32	5.32%
2004-07-08	5.32	5.32%
2004-07-09	5.31	5.31%
2004-07-12	5.26	5.26%
2004-07-13	5.29	5.29%
2004-07-14	5.32	5.32%
2004-07-15	5.28	5.28%
2004-07-16	5.22	5.22%
2004-07-19	5.22	5.22%
2004-07-20	5.25	5.25%
2004-07-21	5.31	5.31%
2004-07-22	5.30	5.30%
2004-07-23	5.27	5.27%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2004-07-26	5.27	5.27%
2004-07-27	5.42	5.42%
2004-07-28	5.42	5.42%
2004-07-29	5.37	5.37%
2004-07-30	5.31	5.31%
2004-08-02	5.26	5.26%
2004-08-03	5.24	5.24%
2004-08-04	5.24	5.24%
2004-08-05	5.22	5.22%
2004-08-06	5.13	5.13%
2004-08-09	5.15	5.15%
2004-08-10	5.17	5.17%
2004-08-11	5.16	5.16%
2004-08-12	5.17	5.17%
2004-08-13	5.11	5.11%
2004-08-16	5.13	5.13%
2004-08-17	5.13	5.13%
2004-08-18	5.11	5.11%
2004-08-19	5.14	5.14%
2004-08-20	5.14	5.14%
2004-08-23	5.15	5.15%
2004-08-24	5.15	5.15%
2004-08-25	5.13	5.13%
2004-08-26	5.10	5.10%
2004-08-27	5.10	5.10%
2004-08-30	5.07	5.07%
2004-08-31	5.01	5.01%
2004-09-01	5.01	5.01%
2004-09-02	5.07	5.07%
2004-09-03	5.14	5.14%
2004-09-06	#N/A	5.14%
2004-09-07	5.10	5.10%
2004-09-08	5.04	5.04%
2004-09-09	5.07	5.07%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2004-09-10	5.05	5.05%
2004-09-13	5.02	5.02%
2004-09-14	5.01	5.01%
2004-09-15	5.04	5.04%
2004-09-16	4.95	4.95%
2004-09-17	4.99	4.99%
2004-09-20	4.94	4.94%
2004-09-21	4.94	4.94%
2004-09-22	4.88	4.88%
2004-09-23	4.86	4.86%
2004-09-24	4.87	4.87%
2004-09-27	4.84	4.84%
2004-09-28	4.90	4.90%
2004-09-29	4.97	4.97%
2004-09-30	4.97	4.97%
2004-10-01	5.06	5.06%
2004-10-04	5.04	5.04%
2004-10-05	5.04	5.04%
2004-10-06	5.04	5.04%
2004-10-07	5.08	5.08%
2004-10-08	4.98	4.98%
2004-10-11	#N/A	4.98%
2004-10-12	4.95	4.95%
2004-10-13	4.98	4.98%
2004-10-14	4.93	4.93%
2004-10-15	4.92	4.92%
2004-10-18	4.92	4.92%
2004-10-19	4.91	4.91%
2004-10-20	4.85	4.85%
2004-10-21	4.84	4.84%
2004-10-22	4.87	4.87%
2004-10-25	4.86	4.86%
2004-10-26	4.87	4.87%
2004-10-27	4.96	4.96%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2004-10-28	4.91	4.91%
2004-10-29	4.87	4.87%
2004-11-01	4.92	4.92%
2004-11-02	4.91	4.91%
2004-11-03	4.90	4.90%
2004-11-04	4.89	4.89%
2004-11-05	4.99	4.99%
2004-11-08	4.98	4.98%
2004-11-09	5.02	5.02%
2004-11-10	5.05	5.05%
2004-11-11	#N/A	5.05%
2004-11-12	4.96	4.96%
2004-11-15	4.98	4.98%
2004-11-16	4.96	4.96%
2004-11-17	4.89	4.89%
2004-11-18	4.86	4.86%
2004-11-19	4.93	4.93%
2004-11-22	4.89	4.89%
2004-11-23	4.89	4.89%
2004-11-24	4.89	4.89%
2004-11-25	#N/A	4.89%
2004-11-26	4.94	4.94%
2004-11-29	5.03	5.03%
2004-11-30	5.07	5.07%
2004-12-01	5.08	5.08%
2004-12-02	5.11	5.11%
2004-12-03	4.99	4.99%
2004-12-06	4.96	4.96%
2004-12-07	4.95	4.95%
2004-12-08	4.84	4.84%
2004-12-09	4.88	4.88%
2004-12-10	4.87	4.87%
2004-12-13	4.85	4.85%
2004-12-14	4.83	4.83%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2004-12-15	4.76	4.76%
2004-12-16	4.88	4.88%
2004-12-17	4.89	4.89%
2004-12-20	4.88	4.88%
2004-12-21	4.83	4.83%
2004-12-22	4.86	4.86%
2004-12-23	4.90	4.90%
2004-12-24	#N/A	4.90%
2004-12-27	4.97	4.97%
2004-12-28	4.95	4.95%
2004-12-29	4.97	4.97%
2004-12-30	4.94	4.94%
2004-12-31	4.86	4.86%
2005-01-03	4.85	4.85%
2005-01-04	4.91	4.91%
2005-01-05	4.88	4.88%
2005-01-06	4.89	4.89%
2005-01-07	4.88	4.88%
2005-01-10	4.86	4.86%
2005-01-11	4.84	4.84%
2005-01-12	4.80	4.80%
2005-01-13	4.77	4.77%
2005-01-14	4.78	4.78%
2005-01-17	#N/A	4.78%
2005-01-18	4.72	4.72%
2005-01-19	4.70	4.70%
2005-01-20	4.71	4.71%
2005-01-21	4.70	4.70%
2005-01-24	4.63	4.63%
2005-01-25	4.71	4.71%
2005-01-26	4.70	4.70%
2005-01-27	4.71	4.71%
2005-01-28	4.64	4.64%
2005-01-31	4.62	4.62%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2005-02-01	4.63	4.63%
2005-02-02	4.61	4.61%
2005-02-03	4.58	4.58%
2005-02-04	4.48	4.48%
2005-02-07	4.43	4.43%
2005-02-08	4.39	4.39%
2005-02-09	4.40	4.40%
2005-02-10	4.50	4.50%
2005-02-11	4.52	4.52%
2005-02-14	4.45	4.45%
2005-02-15	4.48	4.48%
2005-02-16	4.53	4.53%
2005-02-17	4.58	4.58%
2005-02-18	4.65	4.65%
2005-02-21	#N/A	4.65%
2005-02-22	4.71	4.71%
2005-02-23	4.69	4.69%
2005-02-24	4.67	4.67%
2005-02-25	4.61	4.61%
2005-02-28	4.71	4.71%
2005-03-01	4.69	4.69%
2005-03-02	4.71	4.71%
2005-03-03	4.71	4.71%
2005-03-04	4.66	4.66%
2005-03-07	4.63	4.63%
2005-03-08	4.67	4.67%
2005-03-09	4.84	4.84%
2005-03-10	4.74	4.74%
2005-03-11	4.80	4.80%
2005-03-14	4.77	4.77%
2005-03-15	4.80	4.80%
2005-03-16	4.78	4.78%
2005-03-17	4.75	4.75%
2005-03-18	4.80	4.80%

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Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2005-03-21	4.85	4.85%
2005-03-22	4.88	4.88%
2005-03-23	4.86	4.86%
2005-03-24	4.84	4.84%
2005-03-25	#N/A	4.84%
2005-03-28	4.88	4.88%
2005-03-29	4.85	4.85%
2005-03-30	4.77	4.77%
2005-03-31	4.76	4.76%
2005-04-01	4.72	4.72%
2005-04-04	4.73	4.73%
2005-04-05	4.75	4.75%
2005-04-06	4.73	4.73%
2005-04-07	4.78	4.78%
2005-04-08	4.77	4.77%
2005-04-11	4.73	4.73%
2005-04-12	4.66	4.66%
2005-04-13	4.68	4.68%
2005-04-14	4.73	4.73%
2005-04-15	4.66	4.66%
2005-04-18	4.62	4.62%
2005-04-19	4.53	4.53%
2005-04-20	4.59	4.59%
2005-04-21	4.62	4.62%
2005-04-22	4.60	4.60%
2005-04-25	4.54	4.54%
2005-04-26	4.59	4.59%
2005-04-27	4.57	4.57%
2005-04-28	4.52	4.52%
2005-04-29	4.53	4.53%
2005-05-02	4.53	4.53%
2005-05-03	4.49	4.49%
2005-05-04	4.60	4.60%
2005-05-05	4.60	4.60%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2005-05-06	4.62	4.62%
2005-05-09	4.64	4.64%
2005-05-10	4.60	4.60%
2005-05-11	4.54	4.54%
2005-05-12	4.54	4.54%
2005-05-13	4.48	4.48%
2005-05-16	4.49	4.49%
2005-05-17	4.47	4.47%
2005-05-18	4.42	4.42%
2005-05-19	4.44	4.44%
2005-05-20	4.44	4.44%
2005-05-23	4.38	4.38%
2005-05-24	4.35	4.35%
2005-05-25	4.40	4.40%
2005-05-26	4.45	4.45%
2005-05-27	4.45	4.45%
2005-05-30	#N/A	4.45%
2005-05-31	4.36	4.36%
2005-06-01	4.27	4.27%
2005-06-02	4.20	4.20%
2005-06-03	4.26	4.26%
2005-06-06	4.23	4.23%
2005-06-07	4.18	4.18%
2005-06-08	4.24	4.24%
2005-06-09	4.23	4.23%
2005-06-10	4.30	4.30%
2005-06-13	4.39	4.39%
2005-06-14	4.41	4.41%
2005-06-15	4.44	4.44%
2005-06-16	4.36	4.36%
2005-06-17	4.35	4.35%
2005-06-20	4.34	4.34%
2005-06-21	4.32	4.32%
2005-06-22	4.23	4.23%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2005-06-23	4.27	4.27%
2005-06-24	4.23	4.23%
2005-06-27	4.25	4.25%
2005-06-28	4.22	4.22%
2005-06-29	4.24	4.24%
2005-06-30	4.19	4.19%
2005-07-01	4.28	4.28%
2005-07-04	#N/A	4.28%
2005-07-05	4.34	4.34%
2005-07-06	4.31	4.31%
2005-07-07	4.28	4.28%
2005-07-08	4.33	4.33%
2005-07-11	4.30	4.30%
2005-07-12	4.36	4.36%
2005-07-13	4.38	4.38%
2005-07-14	4.40	4.40%
2005-07-15	4.39	4.39%
2005-07-18	4.44	4.44%
2005-07-19	4.41	4.41%
2005-07-20	4.37	4.37%
2005-07-21	4.48	4.48%
2005-07-22	4.39	4.39%
2005-07-25	4.44	4.44%
2005-07-26	4.44	4.44%
2005-07-27	4.42	4.42%
2005-07-28	4.38	4.38%
2005-07-29	4.42	4.42%
2005-08-01	4.46	4.46%
2005-08-02	4.52	4.52%
2005-08-03	4.48	4.48%
2005-08-04	4.50	4.50%
2005-08-05	4.56	4.56%
2005-08-08	4.58	4.58%
2005-08-09	4.56	4.56%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2005-08-10	4.56	4.56%
2005-08-11	4.51	4.51%
2005-08-12	4.42	4.42%
2005-08-15	4.45	4.45%
2005-08-16	4.41	4.41%
2005-08-17	4.49	4.49%
2005-08-18	4.40	4.40%
2005-08-19	4.40	4.40%
2005-08-22	4.40	4.40%
2005-08-23	4.39	4.39%
2005-08-24	4.38	4.38%
2005-08-25	4.37	4.37%
2005-08-26	4.38	4.38%
2005-08-29	4.37	4.37%
2005-08-30	4.34	4.34%
2005-08-31	4.23	4.23%
2005-09-01	4.28	4.28%
2005-09-02	4.26	4.26%
2005-09-05	#N/A	4.26%
2005-09-06	4.36	4.36%
2005-09-07	4.43	4.43%
2005-09-08	4.43	4.43%
2005-09-09	4.36	4.36%
2005-09-12	4.45	4.45%
2005-09-13	4.38	4.38%
2005-09-14	4.41	4.41%
2005-09-15	4.51	4.51%
2005-09-16	4.56	4.56%
2005-09-19	4.55	4.55%
2005-09-20	4.49	4.49%
2005-09-21	4.47	4.47%
2005-09-22	4.47	4.47%
2005-09-23	4.47	4.47%
2005-09-26	4.56	4.56%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2005-09-27	4.56	4.56%
2005-09-28	4.46	4.46%
2005-09-29	4.50	4.50%
2005-09-30	4.53	4.53%
2005-10-03	4.58	4.58%
2005-10-04	4.61	4.61%
2005-10-05	4.54	4.54%
2005-10-06	4.55	4.55%
2005-10-07	4.53	4.53%
2005-10-10	#N/A	4.53%
2005-10-11	4.56	4.56%
2005-10-12	4.62	4.62%
2005-10-13	4.66	4.66%
2005-10-14	4.67	4.67%
2005-10-17	4.68	4.68%
2005-10-18	4.64	4.64%
2005-10-19	4.66	4.66%
2005-10-20	4.62	4.62%
2005-10-21	4.58	4.58%
2005-10-24	4.63	4.63%
2005-10-25	4.70	4.70%
2005-10-26	4.77	4.77%
2005-10-27	4.74	4.74%
2005-10-28	4.74	4.74%
2005-10-31	4.73	4.73%
2005-11-01	4.74	4.74%
2005-11-02	4.74	4.74%
2005-11-03	4.79	4.79%
2005-11-04	4.84	4.84%
2005-11-07	4.82	4.82%
2005-11-08	4.75	4.75%
2005-11-09	4.78	4.78%
2005-11-10	4.74	4.74%
2005-11-11	#N/A	4.74%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2005-11-14	4.75	4.75%
2005-11-15	4.70	4.70%
2005-11-16	4.63	4.63%
2005-11-17	4.60	4.60%
2005-11-18	4.68	4.68%
2005-11-21	4.62	4.62%
2005-11-22	4.65	4.65%
2005-11-23	4.70	4.70%
2005-11-24	#N/A	4.70%
2005-11-25	4.66	4.66%
2005-11-28	4.58	4.58%
2005-11-29	4.65	4.65%
2005-11-30	4.66	4.66%
2005-12-01	4.68	4.68%
2005-12-02	4.68	4.68%
2005-12-05	4.72	4.72%
2005-12-06	4.68	4.68%
2005-12-07	4.67	4.67%
2005-12-08	4.62	4.62%
2005-12-09	4.72	4.72%
2005-12-12	4.69	4.69%
2005-12-13	4.68	4.68%
2005-12-14	4.63	4.63%
2005-12-15	4.62	4.62%
2005-12-16	4.63	4.63%
2005-12-19	4.62	4.62%
2005-12-20	4.63	4.63%
2005-12-21	4.65	4.65%
2005-12-22	4.59	4.59%
2005-12-23	4.52	4.52%
2005-12-26	#N/A	4.52%
2005-12-27	4.48	4.48%
2005-12-28	4.51	4.51%
2005-12-29	4.49	4.49%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2005-12-30	4.51	4.51%
2006-01-02	#N/A	4.51%
2006-01-03	4.52	4.52%
2006-01-04	4.55	4.55%
2006-01-05	4.51	4.51%
2006-01-06	4.53	4.53%
2006-01-09	4.53	4.53%
2006-01-10	4.62	4.62%
2006-01-11	4.61	4.61%
2006-01-12	4.56	4.56%
2006-01-13	4.49	4.49%
2006-01-16	#N/A	4.49%
2006-01-17	4.52	4.52%
2006-01-18	4.53	4.53%
2006-01-19	4.51	4.51%
2006-01-20	4.54	4.54%
2006-01-23	4.54	4.54%
2006-01-24	4.53	4.53%
2006-01-25	4.62	4.62%
2006-01-26	4.66	4.66%
2006-01-27	4.70	4.70%
2006-01-30	4.67	4.67%
2006-01-31	4.69	4.69%
2006-02-01	4.69	4.69%
2006-02-02	4.68	4.68%
2006-02-03	4.64	4.64%
2006-02-06	4.61	4.61%
2006-02-07	4.64	4.64%
2006-02-08	4.67	4.67%
2006-02-09	4.51	4.51%
2006-02-10	4.55	4.55%
2006-02-13	4.56	4.56%
2006-02-14	4.60	4.60%
2006-02-15	4.58	4.58%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2006-02-16	4.57	4.57%
2006-02-17	4.51	4.51%
2006-02-20	#N/A	4.51%
2006-02-21	4.53	4.53%
2006-02-22	4.48	4.48%
2006-02-23	4.51	4.51%
2006-02-24	4.52	4.52%
2006-02-27	4.55	4.55%
2006-02-28	4.51	4.51%
2006-03-01	4.56	4.56%
2006-03-02	4.62	4.62%
2006-03-03	4.66	4.66%
2006-03-06	4.72	4.72%
2006-03-07	4.72	4.72%
2006-03-08	4.72	4.72%
2006-03-09	4.72	4.72%
2006-03-10	4.74	4.74%
2006-03-13	4.77	4.77%
2006-03-14	4.71	4.71%
2006-03-15	4.75	4.75%
2006-03-16	4.70	4.70%
2006-03-17	4.72	4.72%
2006-03-20	4.70	4.70%
2006-03-21	4.74	4.74%
2006-03-22	4.73	4.73%
2006-03-23	4.75	4.75%
2006-03-24	4.70	4.70%
2006-03-27	4.73	4.73%
2006-03-28	4.80	4.80%
2006-03-29	4.84	4.84%
2006-03-30	4.89	4.89%
2006-03-31	4.90	4.90%
2006-04-03	4.90	4.90%
2006-04-04	4.91	4.91%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2006-04-05	4.90	4.90%
2006-04-06	4.96	4.96%
2006-04-07	5.04	5.04%
2006-04-10	5.04	5.04%
2006-04-11	5.00	5.00%
2006-04-12	5.05	5.05%
2006-04-13	5.11	5.11%
2006-04-14	#N/A	5.11%
2006-04-17	5.08	5.08%
2006-04-18	5.07	5.07%
2006-04-19	5.13	5.13%
2006-04-20	5.14	5.14%
2006-04-21	5.10	5.10%
2006-04-24	5.07	5.07%
2006-04-25	5.16	5.16%
2006-04-26	5.18	5.18%
2006-04-27	5.18	5.18%
2006-04-28	5.17	5.17%
2006-05-01	5.23	5.23%
2006-05-02	5.20	5.20%
2006-05-03	5.24	5.24%
2006-05-04	5.23	5.23%
2006-05-05	5.20	5.20%
2006-05-08	5.19	5.19%
2006-05-09	5.20	5.20%
2006-05-10	5.19	5.19%
2006-05-11	5.23	5.23%
2006-05-12	5.29	5.29%
2006-05-15	5.26	5.26%
2006-05-16	5.22	5.22%
2006-05-17	5.28	5.28%
2006-05-18	5.18	5.18%
2006-05-19	5.14	5.14%
2006-05-22	5.13	5.13%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2006-05-23	5.16	5.16%
2006-05-24	5.13	5.13%
2006-05-25	5.17	5.17%
2006-05-26	5.16	5.16%
2006-05-29	#N/A	5.16%
2006-05-30	5.19	5.19%
2006-05-31	5.21	5.21%
2006-06-01	5.20	5.20%
2006-06-02	5.10	5.10%
2006-06-05	5.10	5.10%
2006-06-06	5.08	5.08%
2006-06-07	5.09	5.09%
2006-06-08	5.06	5.06%
2006-06-09	5.03	5.03%
2006-06-12	5.03	5.03%
2006-06-13	5.01	5.01%
2006-06-14	5.09	5.09%
2006-06-15	5.13	5.13%
2006-06-16	5.17	5.17%
2006-06-19	5.18	5.18%
2006-06-20	5.19	5.19%
2006-06-21	5.19	5.19%
2006-06-22	5.23	5.23%
2006-06-23	5.26	5.26%
2006-06-26	5.28	5.28%
2006-06-27	5.24	5.24%
2006-06-28	5.28	5.28%
2006-06-29	5.26	5.26%
2006-06-30	5.19	5.19%
2006-07-03	5.20	5.20%
2006-07-04	#N/A	5.20%
2006-07-05	5.27	5.27%
2006-07-06	5.23	5.23%
2006-07-07	5.18	5.18%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2006-07-10	5.17	5.17%
2006-07-11	5.14	5.14%
2006-07-12	5.14	5.14%
2006-07-13	5.12	5.12%
2006-07-14	5.11	5.11%
2006-07-17	5.10	5.10%
2006-07-18	5.16	5.16%
2006-07-19	5.10	5.10%
2006-07-20	5.08	5.08%
2006-07-21	5.10	5.10%
2006-07-24	5.11	5.11%
2006-07-25	5.13	5.13%
2006-07-26	5.10	5.10%
2006-07-27	5.11	5.11%
2006-07-28	5.07	5.07%
2006-07-31	5.07	5.07%
2006-08-01	5.07	5.07%
2006-08-02	5.05	5.05%
2006-08-03	5.04	5.04%
2006-08-04	5.00	5.00%
2006-08-07	5.00	5.00%
2006-08-08	5.02	5.02%
2006-08-09	5.05	5.05%
2006-08-10	5.06	5.06%
2006-08-11	5.09	5.09%
2006-08-14	5.12	5.12%
2006-08-15	5.05	5.05%
2006-08-16	5.00	5.00%
2006-08-17	5.00	5.00%
2006-08-18	4.97	4.97%
2006-08-21	4.96	4.96%
2006-08-22	4.95	4.95%
2006-08-23	4.95	4.95%
2006-08-24	4.94	4.94%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2006-08-25	4.93	4.93%
2006-08-28	4.94	4.94%
2006-08-29	4.93	4.93%
2006-08-30	4.91	4.91%
2006-08-31	4.88	4.88%
2006-09-01	4.87	4.87%
2006-09-04	#N/A	4.87%
2006-09-05	4.93	4.93%
2006-09-06	4.95	4.95%
2006-09-07	4.94	4.94%
2006-09-08	4.92	4.92%
2006-09-11	4.95	4.95%
2006-09-12	4.91	4.91%
2006-09-13	4.90	4.90%
2006-09-14	4.92	4.92%
2006-09-15	4.92	4.92%
2006-09-18	4.93	4.93%
2006-09-19	4.86	4.86%
2006-09-20	4.85	4.85%
2006-09-21	4.78	4.78%
2006-09-22	4.74	4.74%
2006-09-25	4.70	4.70%
2006-09-26	4.71	4.71%
2006-09-27	4.73	4.73%
2006-09-28	4.76	4.76%
2006-09-29	4.77	4.77%
2006-10-02	4.76	4.76%
2006-10-03	4.76	4.76%
2006-10-04	4.72	4.72%
2006-10-05	4.76	4.76%
2006-10-06	4.84	4.84%
2006-10-09	#N/A	4.84%
2006-10-10	4.88	4.88%
2006-10-11	4.91	4.91%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2006-10-12	4.91	4.91%
2006-10-13	4.94	4.94%
2006-10-16	4.92	4.92%
2006-10-17	4.91	4.91%
2006-10-18	4.89	4.89%
2006-10-19	4.91	4.91%
2006-10-20	4.91	4.91%
2006-10-23	4.95	4.95%
2006-10-24	4.95	4.95%
2006-10-25	4.89	4.89%
2006-10-26	4.84	4.84%
2006-10-27	4.80	4.80%
2006-10-30	4.78	4.78%
2006-10-31	4.72	4.72%
2006-11-01	4.68	4.68%
2006-11-02	4.72	4.72%
2006-11-03	4.81	4.81%
2006-11-06	4.79	4.79%
2006-11-07	4.76	4.76%
2006-11-08	4.73	4.73%
2006-11-09	4.73	4.73%
2006-11-10	4.69	4.69%
2006-11-13	4.71	4.71%
2006-11-14	4.66	4.66%
2006-11-15	4.69	4.69%
2006-11-16	4.74	4.74%
2006-11-17	4.69	4.69%
2006-11-20	4.68	4.68%
2006-11-21	4.66	4.66%
2006-11-22	4.65	4.65%
2006-11-23	#N/A	4.65%
2006-11-24	4.63	4.63%
2006-11-27	4.62	4.62%
2006-11-28	4.59	4.59%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2006-11-29	4.61	4.61%
2006-11-30	4.56	4.56%
2006-12-01	4.54	4.54%
2006-12-04	4.55	4.55%
2006-12-05	4.57	4.57%
2006-12-06	4.60	4.60%
2006-12-07	4.60	4.60%
2006-12-08	4.66	4.66%
2006-12-11	4.63	4.63%
2006-12-12	4.60	4.60%
2006-12-13	4.69	4.69%
2006-12-14	4.72	4.72%
2006-12-15	4.72	4.72%
2006-12-18	4.72	4.72%
2006-12-19	4.73	4.73%
2006-12-20	4.73	4.73%
2006-12-21	4.70	4.70%
2006-12-22	4.76	4.76%
2006-12-25	#N/A	4.76%
2006-12-26	4.73	4.73%
2006-12-27	4.78	4.78%
2006-12-28	4.81	4.81%
2006-12-29	4.81	4.81%
2007-01-01	#N/A	4.81%
2007-01-02	4.79	4.79%
2007-01-03	4.77	4.77%
2007-01-04	4.72	4.72%
2007-01-05	4.74	4.74%
2007-01-08	4.74	4.74%
2007-01-09	4.74	4.74%
2007-01-10	4.77	4.77%
2007-01-11	4.82	4.82%
2007-01-12	4.86	4.86%
2007-01-15	#N/A	4.86%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2007-01-16	4.85	4.85%
2007-01-17	4.88	4.88%
2007-01-18	4.85	4.85%
2007-01-19	4.87	4.87%
2007-01-22	4.84	4.84%
2007-01-23	4.90	4.90%
2007-01-24	4.91	4.91%
2007-01-25	4.96	4.96%
2007-01-26	4.98	4.98%
2007-01-29	4.99	4.99%
2007-01-30	4.98	4.98%
2007-01-31	4.93	4.93%
2007-02-01	4.93	4.93%
2007-02-02	4.93	4.93%
2007-02-05	4.91	4.91%
2007-02-06	4.87	4.87%
2007-02-07	4.86	4.86%
2007-02-08	4.81	4.81%
2007-02-09	4.87	4.87%
2007-02-12	4.88	4.88%
2007-02-13	4.90	4.90%
2007-02-14	4.83	4.83%
2007-02-15	4.81	4.81%
2007-02-16	4.79	4.79%
2007-02-19	#N/A	4.79%
2007-02-20	4.78	4.78%
2007-02-21	4.79	4.79%
2007-02-22	4.83	4.83%
2007-02-23	4.79	4.79%
2007-02-26	4.73	4.73%
2007-02-27	4.62	4.62%
2007-02-28	4.68	4.68%
2007-03-01	4.68	4.68%
2007-03-02	4.65	4.65%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2007-03-05	4.64	4.64%
2007-03-06	4.66	4.66%
2007-03-07	4.64	4.64%
2007-03-08	4.65	4.65%
2007-03-09	4.72	4.72%
2007-03-12	4.69	4.69%
2007-03-13	4.66	4.66%
2007-03-14	4.69	4.69%
2007-03-15	4.69	4.69%
2007-03-16	4.70	4.70%
2007-03-19	4.72	4.72%
2007-03-20	4.71	4.71%
2007-03-21	4.70	4.70%
2007-03-22	4.78	4.78%
2007-03-23	4.80	4.80%
2007-03-26	4.79	4.79%
2007-03-27	4.81	4.81%
2007-03-28	4.83	4.83%
2007-03-29	4.83	4.83%
2007-03-30	4.84	4.84%
2007-04-02	4.84	4.84%
2007-04-03	4.85	4.85%
2007-04-04	4.85	4.85%
2007-04-05	4.87	4.87%
2007-04-06	4.92	4.92%
2007-04-09	4.92	4.92%
2007-04-10	4.91	4.91%
2007-04-11	4.92	4.92%
2007-04-12	4.91	4.91%
2007-04-13	4.93	4.93%
2007-04-16	4.89	4.89%
2007-04-17	4.85	4.85%
2007-04-18	4.81	4.81%
2007-04-19	4.84	4.84%

FRED Graph Observations
Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2007-04-20	4.85	4.85%
2007-04-23	4.83	4.83%
2007-04-24	4.80	4.80%
2007-04-25	4.83	4.83%
2007-04-26	4.87	4.87%
2007-04-27	4.89	4.89%
2007-04-30	4.81	4.81%
2007-05-01	4.81	4.81%
2007-05-02	4.82	4.82%
2007-05-03	4.84	4.84%
2007-05-04	4.80	4.80%
2007-05-07	4.79	4.79%
2007-05-08	4.80	4.80%
2007-05-09	4.83	4.83%
2007-05-10	4.83	4.83%
2007-05-11	4.85	4.85%
2007-05-14	4.86	4.86%
2007-05-15	4.88	4.88%
2007-05-16	4.88	4.88%
2007-05-17	4.91	4.91%
2007-05-18	4.96	4.96%
2007-05-21	4.94	4.94%
2007-05-22	4.98	4.98%
2007-05-23	5.01	5.01%
2007-05-24	5.00	5.00%
2007-05-25	5.01	5.01%
2007-05-28	#N/A	5.01%
2007-05-29	5.01	5.01%
2007-05-30	5.01	5.01%
2007-05-31	5.01	5.01%
2007-06-01	5.06	5.06%
2007-06-04	5.02	5.02%
2007-06-05	5.07	5.07%
2007-06-06	5.08	5.08%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2007-06-07	5.20	5.20%
2007-06-08	5.22	5.22%
2007-06-11	5.24	5.24%
2007-06-12	5.35	5.35%
2007-06-13	5.28	5.28%
2007-06-14	5.30	5.30%
2007-06-15	5.26	5.26%
2007-06-18	5.26	5.26%
2007-06-19	5.20	5.20%
2007-06-20	5.24	5.24%
2007-06-21	5.28	5.28%
2007-06-22	5.25	5.25%
2007-06-25	5.20	5.20%
2007-06-26	5.22	5.22%
2007-06-27	5.20	5.20%
2007-06-28	5.22	5.22%
2007-06-29	5.12	5.12%
2007-07-02	5.09	5.09%
2007-07-03	5.14	5.14%
2007-07-04	#N/A	5.14%
2007-07-05	5.24	5.24%
2007-07-06	5.28	5.28%
2007-07-09	5.25	5.25%
2007-07-10	5.14	5.14%
2007-07-11	5.18	5.18%
2007-07-12	5.22	5.22%
2007-07-13	5.19	5.19%
2007-07-16	5.14	5.14%
2007-07-17	5.16	5.16%
2007-07-18	5.10	5.10%
2007-07-19	5.12	5.12%
2007-07-20	5.07	5.07%
2007-07-23	5.07	5.07%
2007-07-24	5.05	5.05%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2007-07-25	5.04	5.04%
2007-07-26	4.95	4.95%
2007-07-27	4.95	4.95%
2007-07-30	4.97	4.97%
2007-07-31	4.92	4.92%
2007-08-01	4.90	4.90%
2007-08-02	4.91	4.91%
2007-08-03	4.87	4.87%
2007-08-06	4.89	4.89%
2007-08-07	4.92	4.92%
2007-08-08	5.01	5.01%
2007-08-09	5.02	5.02%
2007-08-10	5.03	5.03%
2007-08-13	5.01	5.01%
2007-08-14	4.99	4.99%
2007-08-15	5.00	5.00%
2007-08-16	4.92	4.92%
2007-08-17	5.00	5.00%
2007-08-20	4.98	4.98%
2007-08-21	4.95	4.95%
2007-08-22	4.96	4.96%
2007-08-23	4.93	4.93%
2007-08-24	4.88	4.88%
2007-08-27	4.87	4.87%
2007-08-28	4.86	4.86%
2007-08-29	4.88	4.88%
2007-08-30	4.83	4.83%
2007-08-31	4.83	4.83%
2007-09-03	#N/A	4.83%
2007-09-04	4.84	4.84%
2007-09-05	4.78	4.78%
2007-09-06	4.79	4.79%
2007-09-07	4.70	4.70%
2007-09-10	4.65	4.65%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2007-09-11	4.65	4.65%
2007-09-12	4.68	4.68%
2007-09-13	4.75	4.75%
2007-09-14	4.72	4.72%
2007-09-17	4.72	4.72%
2007-09-18	4.77	4.77%
2007-09-19	4.83	4.83%
2007-09-20	4.96	4.96%
2007-09-21	4.89	4.89%
2007-09-24	4.88	4.88%
2007-09-25	4.89	4.89%
2007-09-26	4.90	4.90%
2007-09-27	4.84	4.84%
2007-09-28	4.83	4.83%
2007-10-01	4.79	4.79%
2007-10-02	4.77	4.77%
2007-10-03	4.79	4.79%
2007-10-04	4.77	4.77%
2007-10-05	4.87	4.87%
2007-10-08	#N/A	4.87%
2007-10-09	4.87	4.87%
2007-10-10	4.86	4.86%
2007-10-11	4.87	4.87%
2007-10-12	4.91	4.91%
2007-10-15	4.91	4.91%
2007-10-16	4.90	4.90%
2007-10-17	4.82	4.82%
2007-10-18	4.78	4.78%
2007-10-19	4.68	4.68%
2007-10-22	4.68	4.68%
2007-10-23	4.69	4.69%
2007-10-24	4.64	4.64%
2007-10-25	4.66	4.66%
2007-10-26	4.68	4.68%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2007-10-29	4.66	4.66%
2007-10-30	4.68	4.68%
2007-10-31	4.74	4.74%
2007-11-01	4.64	4.64%
2007-11-02	4.61	4.61%
2007-11-05	4.63	4.63%
2007-11-06	4.66	4.66%
2007-11-07	4.67	4.67%
2007-11-08	4.67	4.67%
2007-11-09	4.61	4.61%
2007-11-12	#N/A	4.61%
2007-11-13	4.61	4.61%
2007-11-14	4.61	4.61%
2007-11-15	4.54	4.54%
2007-11-16	4.52	4.52%
2007-11-19	4.47	4.47%
2007-11-20	4.49	4.49%
2007-11-21	4.46	4.46%
2007-11-22	#N/A	4.46%
2007-11-23	4.43	4.43%
2007-11-26	4.26	4.26%
2007-11-27	4.36	4.36%
2007-11-28	4.41	4.41%
2007-11-29	4.35	4.35%
2007-11-30	4.40	4.40%
2007-12-03	4.34	4.34%
2007-12-04	4.34	4.34%
2007-12-05	4.39	4.39%
2007-12-06	4.49	4.49%
2007-12-07	4.58	4.58%
2007-12-10	4.60	4.60%
2007-12-11	4.47	4.47%
2007-12-12	4.51	4.51%
2007-12-13	4.61	4.61%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2007-12-14	4.66	4.66%
2007-12-17	4.62	4.62%
2007-12-18	4.55	4.55%
2007-12-19	4.47	4.47%
2007-12-20	4.46	4.46%
2007-12-21	4.58	4.58%
2007-12-24	4.62	4.62%
2007-12-25	#N/A	4.62%
2007-12-26	4.68	4.68%
2007-12-27	4.61	4.61%
2007-12-28	4.51	4.51%
2007-12-31	4.45	4.45%
2008-01-01	#N/A	4.45%
2008-01-02	4.35	4.35%
2008-01-03	4.37	4.37%
2008-01-04	4.36	4.36%
2008-01-07	4.34	4.34%
2008-01-08	4.35	4.35%
2008-01-09	4.32	4.32%
2008-01-10	4.44	4.44%
2008-01-11	4.39	4.39%
2008-01-14	4.37	4.37%
2008-01-15	4.28	4.28%
2008-01-16	4.32	4.32%
2008-01-17	4.25	4.25%
2008-01-18	4.28	4.28%
2008-01-21	#N/A	4.28%
2008-01-22	4.23	4.23%
2008-01-23	4.23	4.23%
2008-01-24	4.36	4.36%
2008-01-25	4.28	4.28%
2008-01-28	4.29	4.29%
2008-01-29	4.34	4.34%
2008-01-30	4.44	4.44%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2008-01-31	4.35	4.35%
2008-02-01	4.32	4.32%
2008-02-04	4.37	4.37%
2008-02-05	4.33	4.33%
2008-02-06	4.37	4.37%
2008-02-07	4.51	4.51%
2008-02-08	4.43	4.43%
2008-02-11	4.41	4.41%
2008-02-12	4.46	4.46%
2008-02-13	4.52	4.52%
2008-02-14	4.67	4.67%
2008-02-15	4.58	4.58%
2008-02-18	#N/A	4.58%
2008-02-19	4.66	4.66%
2008-02-20	4.65	4.65%
2008-02-21	4.54	4.54%
2008-02-22	4.58	4.58%
2008-02-25	4.67	4.67%
2008-02-26	4.66	4.66%
2008-02-27	4.65	4.65%
2008-02-28	4.55	4.55%
2008-02-29	4.41	4.41%
2008-03-03	4.42	4.42%
2008-03-04	4.52	4.52%
2008-03-05	4.60	4.60%
2008-03-06	4.57	4.57%
2008-03-07	4.55	4.55%
2008-03-10	4.45	4.45%
2008-03-11	4.53	4.53%
2008-03-12	4.40	4.40%
2008-03-13	4.47	4.47%
2008-03-14	4.35	4.35%
2008-03-17	4.29	4.29%
2008-03-18	4.35	4.35%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2008-03-19	4.22	4.22%
2008-03-20	4.17	4.17%
2008-03-21	#N/A	4.17%
2008-03-24	4.33	4.33%
2008-03-25	4.30	4.30%
2008-03-26	4.33	4.33%
2008-03-27	4.38	4.38%
2008-03-28	4.33	4.33%
2008-03-31	4.30	4.30%
2008-04-01	4.40	4.40%
2008-04-02	4.38	4.38%
2008-04-03	4.40	4.40%
2008-04-04	4.32	4.32%
2008-04-07	4.36	4.36%
2008-04-08	4.37	4.37%
2008-04-09	4.31	4.31%
2008-04-10	4.34	4.34%
2008-04-11	4.30	4.30%
2008-04-14	4.35	4.35%
2008-04-15	4.42	4.42%
2008-04-16	4.54	4.54%
2008-04-17	4.54	4.54%
2008-04-18	4.51	4.51%
2008-04-21	4.48	4.48%
2008-04-22	4.46	4.46%
2008-04-23	4.49	4.49%
2008-04-24	4.56	4.56%
2008-04-25	4.61	4.61%
2008-04-28	4.57	4.57%
2008-04-29	4.55	4.55%
2008-04-30	4.49	4.49%
2008-05-01	4.49	4.49%
2008-05-02	4.57	4.57%
2008-05-05	4.58	4.58%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2008-05-06	4.64	4.64%
2008-05-07	4.61	4.61%
2008-05-08	4.50	4.50%
2008-05-09	4.53	4.53%
2008-05-12	4.53	4.53%
2008-05-13	4.62	4.62%
2008-05-14	4.63	4.63%
2008-05-15	4.56	4.56%
2008-05-16	4.58	4.58%
2008-05-19	4.56	4.56%
2008-05-20	4.53	4.53%
2008-05-21	4.55	4.55%
2008-05-22	4.63	4.63%
2008-05-23	4.57	4.57%
2008-05-26	#N/A	4.57%
2008-05-27	4.65	4.65%
2008-05-28	4.71	4.71%
2008-05-29	4.76	4.76%
2008-05-30	4.72	4.72%
2008-06-02	4.68	4.68%
2008-06-03	4.63	4.63%
2008-06-04	4.71	4.71%
2008-06-05	4.75	4.75%
2008-06-06	4.65	4.65%
2008-06-09	4.64	4.64%
2008-06-10	4.70	4.70%
2008-06-11	4.72	4.72%
2008-06-12	4.77	4.77%
2008-06-13	4.79	4.79%
2008-06-16	4.77	4.77%
2008-06-17	4.78	4.78%
2008-06-18	4.72	4.72%
2008-06-19	4.76	4.76%
2008-06-20	4.71	4.71%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2008-06-23	4.71	4.71%
2008-06-24	4.65	4.65%
2008-06-25	4.65	4.65%
2008-06-26	4.62	4.62%
2008-06-27	4.53	4.53%
2008-06-30	4.53	4.53%
2008-07-01	4.55	4.55%
2008-07-02	4.51	4.51%
2008-07-03	4.53	4.53%
2008-07-04	#N/A	4.53%
2008-07-07	4.51	4.51%
2008-07-08	4.46	4.46%
2008-07-09	4.42	4.42%
2008-07-10	4.42	4.42%
2008-07-11	4.52	4.52%
2008-07-14	4.47	4.47%
2008-07-15	4.48	4.48%
2008-07-16	4.59	4.59%
2008-07-17	4.65	4.65%
2008-07-18	4.66	4.66%
2008-07-21	4.64	4.64%
2008-07-22	4.67	4.67%
2008-07-23	4.69	4.69%
2008-07-24	4.60	4.60%
2008-07-25	4.69	4.69%
2008-07-28	4.63	4.63%
2008-07-29	4.64	4.64%
2008-07-30	4.64	4.64%
2008-07-31	4.59	4.59%
2008-08-01	4.57	4.57%
2008-08-04	4.58	4.58%
2008-08-05	4.63	4.63%
2008-08-06	4.68	4.68%
2008-08-07	4.56	4.56%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2008-08-08	4.55	4.55%
2008-08-11	4.61	4.61%
2008-08-12	4.55	4.55%
2008-08-13	4.57	4.57%
2008-08-14	4.52	4.52%
2008-08-15	4.47	4.47%
2008-08-18	4.44	4.44%
2008-08-19	4.47	4.47%
2008-08-20	4.43	4.43%
2008-08-21	4.46	4.46%
2008-08-22	4.46	4.46%
2008-08-25	4.40	4.40%
2008-08-26	4.40	4.40%
2008-08-27	4.38	4.38%
2008-08-28	4.38	4.38%
2008-08-29	4.43	4.43%
2008-09-01	#N/A	4.43%
2008-09-02	4.36	4.36%
2008-09-03	4.32	4.32%
2008-09-04	4.27	4.27%
2008-09-05	4.27	4.27%
2008-09-08	4.26	4.26%
2008-09-09	4.20	4.20%
2008-09-10	4.23	4.23%
2008-09-11	4.20	4.20%
2008-09-12	4.32	4.32%
2008-09-15	4.12	4.12%
2008-09-16	4.08	4.08%
2008-09-17	4.08	4.08%
2008-09-18	4.14	4.14%
2008-09-19	4.36	4.36%
2008-09-22	4.41	4.41%
2008-09-23	4.43	4.43%
2008-09-24	4.40	4.40%

FRED Graph Observations
Federal Reserve Economic Data
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Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2008-09-25	4.40	4.40%
2008-09-26	4.36	4.36%
2008-09-29	4.13	4.13%
2008-09-30	4.31	4.31%
2008-10-01	4.22	4.22%
2008-10-02	4.16	4.16%
2008-10-03	4.11	4.11%
2008-10-06	3.99	3.99%
2008-10-07	4.01	4.01%
2008-10-08	4.09	4.09%
2008-10-09	4.14	4.14%
2008-10-10	4.15	4.15%
2008-10-13	#N/A	4.15%
2008-10-14	4.27	4.27%
2008-10-15	4.25	4.25%
2008-10-16	4.25	4.25%
2008-10-17	4.32	4.32%
2008-10-20	4.26	4.26%
2008-10-21	4.20	4.20%
2008-10-22	4.07	4.07%
2008-10-23	3.99	3.99%
2008-10-24	4.11	4.11%
2008-10-27	4.12	4.12%
2008-10-28	4.19	4.19%
2008-10-29	4.26	4.26%
2008-10-30	4.30	4.30%
2008-10-31	4.35	4.35%
2008-11-03	4.33	4.33%
2008-11-04	4.20	4.20%
2008-11-05	4.13	4.13%
2008-11-06	4.19	4.19%
2008-11-07	4.25	4.25%
2008-11-10	4.21	4.21%
2008-11-11	#N/A	4.21%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2008-11-12	4.17	4.17%
2008-11-13	4.34	4.34%
2008-11-14	4.22	4.22%
2008-11-17	4.20	4.20%
2008-11-18	4.14	4.14%
2008-11-19	3.96	3.96%
2008-11-20	3.64	3.64%
2008-11-21	3.70	3.70%
2008-11-24	3.78	3.78%
2008-11-25	3.63	3.63%
2008-11-26	3.54	3.54%
2008-11-27	#N/A	3.54%
2008-11-28	3.45	3.45%
2008-12-01	3.22	3.22%
2008-12-02	3.18	3.18%
2008-12-03	3.17	3.17%
2008-12-04	3.06	3.06%
2008-12-05	3.11	3.11%
2008-12-08	3.16	3.16%
2008-12-09	3.06	3.06%
2008-12-10	3.09	3.09%
2008-12-11	3.07	3.07%
2008-12-12	3.07	3.07%
2008-12-15	2.98	2.98%
2008-12-16	2.86	2.86%
2008-12-17	2.66	2.66%
2008-12-18	2.53	2.53%
2008-12-19	2.55	2.55%
2008-12-22	2.60	2.60%
2008-12-23	2.63	2.63%
2008-12-24	2.63	2.63%
2008-12-25	#N/A	2.63%
2008-12-26	2.61	2.61%
2008-12-29	2.63	2.63%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2008-12-30	2.58	2.58%
2008-12-31	2.69	2.69%
2009-01-01	#N/A	2.69%
2009-01-02	2.83	2.83%
2009-01-05	3.00	3.00%
2009-01-06	3.04	3.04%
2009-01-07	3.05	3.05%
2009-01-08	3.04	3.04%
2009-01-09	3.04	3.04%
2009-01-12	2.99	2.99%
2009-01-13	3.00	3.00%
2009-01-14	2.89	2.89%
2009-01-15	2.86	2.86%
2009-01-16	2.89	2.89%
2009-01-19	#N/A	2.89%
2009-01-20	2.97	2.97%
2009-01-21	3.15	3.15%
2009-01-22	3.25	3.25%
2009-01-23	3.32	3.32%
2009-01-26	3.39	3.39%
2009-01-27	3.26	3.26%
2009-01-28	3.44	3.44%
2009-01-29	3.57	3.57%
2009-01-30	3.58	3.58%
2009-02-02	3.47	3.47%
2009-02-03	3.64	3.64%
2009-02-04	3.65	3.65%
2009-02-05	3.63	3.63%
2009-02-06	3.70	3.70%
2009-02-09	3.69	3.69%
2009-02-10	3.54	3.54%
2009-02-11	3.45	3.45%
2009-02-12	3.47	3.47%
2009-02-13	3.68	3.68%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2009-02-16	#N/A	3.68%
2009-02-17	3.47	3.47%
2009-02-18	3.54	3.54%
2009-02-19	3.68	3.68%
2009-02-20	3.56	3.56%
2009-02-23	3.53	3.53%
2009-02-24	3.49	3.49%
2009-02-25	3.59	3.59%
2009-02-26	3.66	3.66%
2009-02-27	3.71	3.71%
2009-03-02	3.64	3.64%
2009-03-03	3.67	3.67%
2009-03-04	3.69	3.69%
2009-03-05	3.51	3.51%
2009-03-06	3.50	3.50%
2009-03-09	3.59	3.59%
2009-03-10	3.70	3.70%
2009-03-11	3.67	3.67%
2009-03-12	3.63	3.63%
2009-03-13	3.66	3.66%
2009-03-16	3.76	3.76%
2009-03-17	3.83	3.83%
2009-03-18	3.57	3.57%
2009-03-19	3.62	3.62%
2009-03-20	3.65	3.65%
2009-03-23	3.69	3.69%
2009-03-24	3.60	3.60%
2009-03-25	3.73	3.73%
2009-03-26	3.66	3.66%
2009-03-27	3.62	3.62%
2009-03-30	3.60	3.60%
2009-03-31	3.56	3.56%
2009-04-01	3.51	3.51%
2009-04-02	3.57	3.57%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2009-04-03	3.70	3.70%
2009-04-06	3.73	3.73%
2009-04-07	3.72	3.72%
2009-04-08	3.66	3.66%
2009-04-09	3.76	3.76%
2009-04-10	#N/A	3.76%
2009-04-13	3.69	3.69%
2009-04-14	3.64	3.64%
2009-04-15	3.66	3.66%
2009-04-16	3.72	3.72%
2009-04-17	3.79	3.79%
2009-04-20	3.69	3.69%
2009-04-21	3.74	3.74%
2009-04-22	3.82	3.82%
2009-04-23	3.80	3.80%
2009-04-24	3.89	3.89%
2009-04-27	3.84	3.84%
2009-04-28	3.97	3.97%
2009-04-29	4.01	4.01%
2009-04-30	4.05	4.05%
2009-05-01	4.09	4.09%
2009-05-04	4.06	4.06%
2009-05-05	4.06	4.06%
2009-05-06	4.09	4.09%
2009-05-07	4.25	4.25%
2009-05-08	4.28	4.28%
2009-05-11	4.18	4.18%
2009-05-12	4.16	4.16%
2009-05-13	4.09	4.09%
2009-05-14	4.06	4.06%
2009-05-15	4.09	4.09%
2009-05-18	4.18	4.18%
2009-05-19	4.21	4.21%
2009-05-20	4.14	4.14%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2009-05-21	4.30	4.30%
2009-05-22	4.38	4.38%
2009-05-25	#N/A	4.38%
2009-05-26	4.45	4.45%
2009-05-27	4.59	4.59%
2009-05-28	4.54	4.54%
2009-05-29	4.34	4.34%
2009-06-01	4.55	4.55%
2009-06-02	4.50	4.50%
2009-06-03	4.45	4.45%
2009-06-04	4.58	4.58%
2009-06-05	4.63	4.63%
2009-06-08	4.65	4.65%
2009-06-09	4.64	4.64%
2009-06-10	4.76	4.76%
2009-06-11	4.69	4.69%
2009-06-12	4.65	4.65%
2009-06-15	4.61	4.61%
2009-06-16	4.48	4.48%
2009-06-17	4.50	4.50%
2009-06-18	4.63	4.63%
2009-06-19	4.52	4.52%
2009-06-22	4.45	4.45%
2009-06-23	4.37	4.37%
2009-06-24	4.44	4.44%
2009-06-25	4.33	4.33%
2009-06-26	4.30	4.30%
2009-06-29	4.31	4.31%
2009-06-30	4.32	4.32%
2009-07-01	4.34	4.34%
2009-07-02	4.32	4.32%
2009-07-03	#N/A	4.32%
2009-07-06	4.35	4.35%
2009-07-07	4.31	4.31%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2009-07-08	4.17	4.17%
2009-07-09	4.31	4.31%
2009-07-10	4.20	4.20%
2009-07-13	4.25	4.25%
2009-07-14	4.38	4.38%
2009-07-15	4.48	4.48%
2009-07-16	4.45	4.45%
2009-07-17	4.53	4.53%
2009-07-20	4.47	4.47%
2009-07-21	4.38	4.38%
2009-07-22	4.45	4.45%
2009-07-23	4.58	4.58%
2009-07-24	4.55	4.55%
2009-07-27	4.62	4.62%
2009-07-28	4.56	4.56%
2009-07-29	4.50	4.50%
2009-07-30	4.44	4.44%
2009-07-31	4.31	4.31%
2009-08-03	4.42	4.42%
2009-08-04	4.45	4.45%
2009-08-05	4.57	4.57%
2009-08-06	4.53	4.53%
2009-08-07	4.61	4.61%
2009-08-10	4.52	4.52%
2009-08-11	4.44	4.44%
2009-08-12	4.53	4.53%
2009-08-13	4.44	4.44%
2009-08-14	4.41	4.41%
2009-08-17	4.33	4.33%
2009-08-18	4.35	4.35%
2009-08-19	4.28	4.28%
2009-08-20	4.24	4.24%
2009-08-21	4.36	4.36%
2009-08-24	4.27	4.27%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2009-08-25	4.22	4.22%
2009-08-26	4.20	4.20%
2009-08-27	4.23	4.23%
2009-08-28	4.21	4.21%
2009-08-31	4.18	4.18%
2009-09-01	4.19	4.19%
2009-09-02	4.09	4.09%
2009-09-03	4.15	4.15%
2009-09-04	4.27	4.27%
2009-09-07	#N/A	4.27%
2009-09-08	4.31	4.31%
2009-09-09	4.33	4.33%
2009-09-10	4.19	4.19%
2009-09-11	4.18	4.18%
2009-09-14	4.22	4.22%
2009-09-15	4.27	4.27%
2009-09-16	4.26	4.26%
2009-09-17	4.19	4.19%
2009-09-18	4.24	4.24%
2009-09-21	4.23	4.23%
2009-09-22	4.20	4.20%
2009-09-23	4.21	4.21%
2009-09-24	4.17	4.17%
2009-09-25	4.10	4.10%
2009-09-28	4.04	4.04%
2009-09-29	4.03	4.03%
2009-09-30	4.03	4.03%
2009-10-01	3.97	3.97%
2009-10-02	4.01	4.01%
2009-10-05	4.01	4.01%
2009-10-06	4.07	4.07%
2009-10-07	3.99	3.99%
2009-10-08	4.09	4.09%
2009-10-09	4.22	4.22%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2009-10-12	#N/A	4.22%
2009-10-13	4.16	4.16%
2009-10-14	4.28	4.28%
2009-10-15	4.31	4.31%
2009-10-16	4.24	4.24%
2009-10-19	4.21	4.21%
2009-10-20	4.16	4.16%
2009-10-21	4.22	4.22%
2009-10-22	4.24	4.24%
2009-10-23	4.29	4.29%
2009-10-26	4.37	4.37%
2009-10-27	4.29	4.29%
2009-10-28	4.25	4.25%
2009-10-29	4.35	4.35%
2009-10-30	4.23	4.23%
2009-11-02	4.26	4.26%
2009-11-03	4.34	4.34%
2009-11-04	4.41	4.41%
2009-11-05	4.41	4.41%
2009-11-06	4.40	4.40%
2009-11-09	4.40	4.40%
2009-11-10	4.41	4.41%
2009-11-11	#N/A	4.41%
2009-11-12	4.41	4.41%
2009-11-13	4.36	4.36%
2009-11-16	4.26	4.26%
2009-11-17	4.26	4.26%
2009-11-18	4.29	4.29%
2009-11-19	4.29	4.29%
2009-11-20	4.30	4.30%
2009-11-23	4.29	4.29%
2009-11-24	4.25	4.25%
2009-11-25	4.23	4.23%
2009-11-26	#N/A	4.23%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2009-11-27	4.21	4.21%
2009-11-30	4.20	4.20%
2009-12-01	4.26	4.26%
2009-12-02	4.26	4.26%
2009-12-03	4.33	4.33%
2009-12-04	4.40	4.40%
2009-12-07	4.40	4.40%
2009-12-08	4.39	4.39%
2009-12-09	4.41	4.41%
2009-12-10	4.50	4.50%
2009-12-11	4.49	4.49%
2009-12-14	4.49	4.49%
2009-12-15	4.52	4.52%
2009-12-16	4.52	4.52%
2009-12-17	4.42	4.42%
2009-12-18	4.46	4.46%
2009-12-21	4.56	4.56%
2009-12-22	4.60	4.60%
2009-12-23	4.61	4.61%
2009-12-24	4.68	4.68%
2009-12-25	#N/A	4.68%
2009-12-28	4.69	4.69%
2009-12-29	4.64	4.64%
2009-12-30	4.61	4.61%
2009-12-31	4.63	4.63%
2010-01-01	#N/A	4.63%
2010-01-04	4.65	4.65%
2010-01-05	4.59	4.59%
2010-01-06	4.70	4.70%
2010-01-07	4.69	4.69%
2010-01-08	4.70	4.70%
2010-01-11	4.74	4.74%
2010-01-12	4.62	4.62%
2010-01-13	4.71	4.71%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2010-01-14	4.63	4.63%
2010-01-15	4.58	4.58%
2010-01-18	#N/A	4.58%
2010-01-19	4.60	4.60%
2010-01-20	4.54	4.54%
2010-01-21	4.50	4.50%
2010-01-22	4.50	4.50%
2010-01-25	4.55	4.55%
2010-01-26	4.56	4.56%
2010-01-27	4.55	4.55%
2010-01-28	4.57	4.57%
2010-01-29	4.51	4.51%
2010-02-01	4.56	4.56%
2010-02-02	4.55	4.55%
2010-02-03	4.62	4.62%
2010-02-04	4.53	4.53%
2010-02-05	4.51	4.51%
2010-02-08	4.52	4.52%
2010-02-09	4.58	4.58%
2010-02-10	4.65	4.65%
2010-02-11	4.69	4.69%
2010-02-12	4.66	4.66%
2010-02-15	#N/A	4.66%
2010-02-16	4.63	4.63%
2010-02-17	4.70	4.70%
2010-02-18	4.74	4.74%
2010-02-19	4.71	4.71%
2010-02-22	4.73	4.73%
2010-02-23	4.63	4.63%
2010-02-24	4.63	4.63%
2010-02-25	4.58	4.58%
2010-02-26	4.55	4.55%
2010-03-01	4.56	4.56%
2010-03-02	4.57	4.57%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30		
2010-03-03		4.58	4.58%
2010-03-04		4.56	4.56%
2010-03-05		4.64	4.64%
2010-03-08		4.68	4.68%
2010-03-09		4.68	4.68%
2010-03-10		4.69	4.69%
2010-03-11		4.66	4.66%
2010-03-12		4.62	4.62%
2010-03-15		4.63	4.63%
2010-03-16		4.59	4.59%
2010-03-17		4.56	4.56%
2010-03-18		4.59	4.59%
2010-03-19		4.58	4.58%
2010-03-22		4.57	4.57%
2010-03-23		4.60	4.60%
2010-03-24		4.72	4.72%
2010-03-25		4.77	4.77%
2010-03-26		4.75	4.75%
2010-03-29		4.76	4.76%
2010-03-30		4.75	4.75%
2010-03-31		4.72	4.72%
2010-04-01		4.74	4.74%
2010-04-02		4.81	4.81%
2010-04-05		4.85	4.85%
2010-04-06		4.84	4.84%
2010-04-07		4.74	4.74%
2010-04-08		4.75	4.75%
2010-04-09		4.74	4.74%
2010-04-12		4.70	4.70%
2010-04-13		4.68	4.68%
2010-04-14		4.72	4.72%
2010-04-15		4.72	4.72%
2010-04-16		4.67	4.67%
2010-04-19		4.70	4.70%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2010-04-20	4.67	4.67%
2010-04-21	4.61	4.61%
2010-04-22	4.65	4.65%
2010-04-23	4.67	4.67%
2010-04-26	4.67	4.67%
2010-04-27	4.56	4.56%
2010-04-28	4.63	4.63%
2010-04-29	4.60	4.60%
2010-04-30	4.53	4.53%
2010-05-03	4.53	4.53%
2010-05-04	4.43	4.43%
2010-05-05	4.39	4.39%
2010-05-06	4.19	4.19%
2010-05-07	4.28	4.28%
2010-05-10	4.41	4.41%
2010-05-11	4.42	4.42%
2010-05-12	4.47	4.47%
2010-05-13	4.47	4.47%
2010-05-14	4.32	4.32%
2010-05-17	4.35	4.35%
2010-05-18	4.26	4.26%
2010-05-19	4.24	4.24%
2010-05-20	4.13	4.13%
2010-05-21	4.07	4.07%
2010-05-24	4.12	4.12%
2010-05-25	4.07	4.07%
2010-05-26	4.11	4.11%
2010-05-27	4.24	4.24%
2010-05-28	4.22	4.22%
2010-05-31	#N/A	4.22%
2010-06-01	4.19	4.19%
2010-06-02	4.24	4.24%
2010-06-03	4.29	4.29%
2010-06-04	4.13	4.13%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2010-06-07	4.11	4.11%
2010-06-08	4.10	4.10%
2010-06-09	4.12	4.12%
2010-06-10	4.25	4.25%
2010-06-11	4.15	4.15%
2010-06-14	4.20	4.20%
2010-06-15	4.23	4.23%
2010-06-16	4.18	4.18%
2010-06-17	4.13	4.13%
2010-06-18	4.15	4.15%
2010-06-21	4.17	4.17%
2010-06-22	4.10	4.10%
2010-06-23	4.05	4.05%
2010-06-24	4.09	4.09%
2010-06-25	4.07	4.07%
2010-06-28	4.01	4.01%
2010-06-29	3.94	3.94%
2010-06-30	3.91	3.91%
2010-07-01	3.88	3.88%
2010-07-02	3.94	3.94%
2010-07-05	#N/A	3.94%
2010-07-06	3.89	3.89%
2010-07-07	3.96	3.96%
2010-07-08	4.00	4.00%
2010-07-09	4.04	4.04%
2010-07-12	4.05	4.05%
2010-07-13	4.10	4.10%
2010-07-14	4.03	4.03%
2010-07-15	3.97	3.97%
2010-07-16	3.95	3.95%
2010-07-19	3.99	3.99%
2010-07-20	3.99	3.99%
2010-07-21	3.89	3.89%
2010-07-22	3.95	3.95%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2010-07-23	4.01	4.01%
2010-07-26	4.03	4.03%
2010-07-27	4.08	4.08%
2010-07-28	4.07	4.07%
2010-07-29	4.08	4.08%
2010-07-30	3.98	3.98%
2010-08-02	4.06	4.06%
2010-08-03	4.04	4.04%
2010-08-04	4.07	4.07%
2010-08-05	4.05	4.05%
2010-08-06	4.00	4.00%
2010-08-09	4.01	4.01%
2010-08-10	4.00	4.00%
2010-08-11	3.93	3.93%
2010-08-12	3.94	3.94%
2010-08-13	3.87	3.87%
2010-08-16	3.72	3.72%
2010-08-17	3.77	3.77%
2010-08-18	3.73	3.73%
2010-08-19	3.66	3.66%
2010-08-20	3.67	3.67%
2010-08-23	3.65	3.65%
2010-08-24	3.57	3.57%
2010-08-25	3.59	3.59%
2010-08-26	3.53	3.53%
2010-08-27	3.69	3.69%
2010-08-30	3.60	3.60%
2010-08-31	3.52	3.52%
2010-09-01	3.65	3.65%
2010-09-02	3.72	3.72%
2010-09-03	3.79	3.79%
2010-09-06	#N/A	3.79%
2010-09-07	3.67	3.67%
2010-09-08	3.72	3.72%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2010-09-09	3.84	3.84%
2010-09-10	3.88	3.88%
2010-09-13	3.83	3.83%
2010-09-14	3.79	3.79%
2010-09-15	3.87	3.87%
2010-09-16	3.92	3.92%
2010-09-17	3.90	3.90%
2010-09-20	3.87	3.87%
2010-09-21	3.79	3.79%
2010-09-22	3.74	3.74%
2010-09-23	3.73	3.73%
2010-09-24	3.79	3.79%
2010-09-27	3.70	3.70%
2010-09-28	3.66	3.66%
2010-09-29	3.69	3.69%
2010-09-30	3.69	3.69%
2010-10-01	3.71	3.71%
2010-10-04	3.71	3.71%
2010-10-05	3.74	3.74%
2010-10-06	3.67	3.67%
2010-10-07	3.72	3.72%
2010-10-08	3.75	3.75%
2010-10-11	#N/A	3.75%
2010-10-12	3.80	3.80%
2010-10-13	3.84	3.84%
2010-10-14	3.91	3.91%
2010-10-15	3.98	3.98%
2010-10-18	3.93	3.93%
2010-10-19	3.90	3.90%
2010-10-20	3.89	3.89%
2010-10-21	3.95	3.95%
2010-10-22	3.94	3.94%
2010-10-25	3.91	3.91%
2010-10-26	4.00	4.00%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2010-10-27	4.06	4.06%
2010-10-28	4.05	4.05%
2010-10-29	3.99	3.99%
2010-11-01	4.01	4.01%
2010-11-02	3.93	3.93%
2010-11-03	4.09	4.09%
2010-11-04	4.04	4.04%
2010-11-05	4.12	4.12%
2010-11-08	4.12	4.12%
2010-11-09	4.25	4.25%
2010-11-10	4.25	4.25%
2010-11-11	#N/A	4.25%
2010-11-12	4.26	4.26%
2010-11-15	4.38	4.38%
2010-11-16	4.26	4.26%
2010-11-17	4.31	4.31%
2010-11-18	4.29	4.29%
2010-11-19	4.25	4.25%
2010-11-22	4.20	4.20%
2010-11-23	4.18	4.18%
2010-11-24	4.29	4.29%
2010-11-25	#N/A	4.29%
2010-11-26	4.21	4.21%
2010-11-29	4.16	4.16%
2010-11-30	4.12	4.12%
2010-12-01	4.24	4.24%
2010-12-02	4.27	4.27%
2010-12-03	4.32	4.32%
2010-12-06	4.25	4.25%
2010-12-07	4.39	4.39%
2010-12-08	4.45	4.45%
2010-12-09	4.41	4.41%
2010-12-10	4.43	4.43%
2010-12-13	4.39	4.39%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2010-12-14	4.54	4.54%
2010-12-15	4.59	4.59%
2010-12-16	4.57	4.57%
2010-12-17	4.41	4.41%
2010-12-20	4.44	4.44%
2010-12-21	4.44	4.44%
2010-12-22	4.45	4.45%
2010-12-23	4.47	4.47%
2010-12-24	#N/A	4.47%
2010-12-27	4.42	4.42%
2010-12-28	4.53	4.53%
2010-12-29	4.41	4.41%
2010-12-30	4.43	4.43%
2010-12-31	4.34	4.34%
2011-01-03	4.39	4.39%
2011-01-04	4.44	4.44%
2011-01-05	4.55	4.55%
2011-01-06	4.53	4.53%
2011-01-07	4.48	4.48%
2011-01-10	4.47	4.47%
2011-01-11	4.49	4.49%
2011-01-12	4.52	4.52%
2011-01-13	4.50	4.50%
2011-01-14	4.53	4.53%
2011-01-17	#N/A	4.53%
2011-01-18	4.56	4.56%
2011-01-19	4.53	4.53%
2011-01-20	4.60	4.60%
2011-01-21	4.57	4.57%
2011-01-24	4.55	4.55%
2011-01-25	4.48	4.48%
2011-01-26	4.59	4.59%
2011-01-27	4.57	4.57%
2011-01-28	4.53	4.53%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2011-01-31	4.58	4.58%
2011-02-01	4.62	4.62%
2011-02-02	4.64	4.64%
2011-02-03	4.67	4.67%
2011-02-04	4.73	4.73%
2011-02-07	4.71	4.71%
2011-02-08	4.76	4.76%
2011-02-09	4.71	4.71%
2011-02-10	4.75	4.75%
2011-02-11	4.71	4.71%
2011-02-14	4.67	4.67%
2011-02-15	4.66	4.66%
2011-02-16	4.67	4.67%
2011-02-17	4.66	4.66%
2011-02-18	4.70	4.70%
2011-02-21	#N/A	4.70%
2011-02-22	4.60	4.60%
2011-02-23	4.59	4.59%
2011-02-24	4.54	4.54%
2011-02-25	4.51	4.51%
2011-02-28	4.49	4.49%
2011-03-01	4.48	4.48%
2011-03-02	4.54	4.54%
2011-03-03	4.64	4.64%
2011-03-04	4.60	4.60%
2011-03-07	4.61	4.61%
2011-03-08	4.66	4.66%
2011-03-09	4.60	4.60%
2011-03-10	4.53	4.53%
2011-03-11	4.54	4.54%
2011-03-14	4.52	4.52%
2011-03-15	4.47	4.47%
2011-03-16	4.38	4.38%
2011-03-17	4.42	4.42%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2011-03-18	4.43	4.43%
2011-03-21	4.45	4.45%
2011-03-22	4.44	4.44%
2011-03-23	4.44	4.44%
2011-03-24	4.48	4.48%
2011-03-25	4.51	4.51%
2011-03-28	4.51	4.51%
2011-03-29	4.54	4.54%
2011-03-30	4.52	4.52%
2011-03-31	4.51	4.51%
2011-04-01	4.48	4.48%
2011-04-04	4.49	4.49%
2011-04-05	4.51	4.51%
2011-04-06	4.58	4.58%
2011-04-07	4.63	4.63%
2011-04-08	4.63	4.63%
2011-04-11	4.64	4.64%
2011-04-12	4.58	4.58%
2011-04-13	4.55	4.55%
2011-04-14	4.53	4.53%
2011-04-15	4.47	4.47%
2011-04-18	4.45	4.45%
2011-04-19	4.43	4.43%
2011-04-20	4.47	4.47%
2011-04-21	4.47	4.47%
2011-04-22	#N/A	4.47%
2011-04-25	4.46	4.46%
2011-04-26	4.39	4.39%
2011-04-27	4.45	4.45%
2011-04-28	4.42	4.42%
2011-04-29	4.40	4.40%
2011-05-02	4.38	4.38%
2011-05-03	4.36	4.36%
2011-05-04	4.33	4.33%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2011-05-05	4.26	4.26%
2011-05-06	4.29	4.29%
2011-05-09	4.30	4.30%
2011-05-10	4.34	4.34%
2011-05-11	4.31	4.31%
2011-05-12	4.37	4.37%
2011-05-13	4.32	4.32%
2011-05-16	4.28	4.28%
2011-05-17	4.23	4.23%
2011-05-18	4.29	4.29%
2011-05-19	4.30	4.30%
2011-05-20	4.30	4.30%
2011-05-23	4.27	4.27%
2011-05-24	4.26	4.26%
2011-05-25	4.28	4.28%
2011-05-26	4.23	4.23%
2011-05-27	4.24	4.24%
2011-05-30	#N/A	4.24%
2011-05-31	4.22	4.22%
2011-06-01	4.15	4.15%
2011-06-02	4.25	4.25%
2011-06-03	4.22	4.22%
2011-06-06	4.25	4.25%
2011-06-07	4.27	4.27%
2011-06-08	4.20	4.20%
2011-06-09	4.22	4.22%
2011-06-10	4.18	4.18%
2011-06-13	4.20	4.20%
2011-06-14	4.30	4.30%
2011-06-15	4.19	4.19%
2011-06-16	4.16	4.16%
2011-06-17	4.19	4.19%
2011-06-20	4.19	4.19%
2011-06-21	4.21	4.21%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2011-06-22	4.22	4.22%
2011-06-23	4.17	4.17%
2011-06-24	4.17	4.17%
2011-06-27	4.28	4.28%
2011-06-28	4.33	4.33%
2011-06-29	4.39	4.39%
2011-06-30	4.38	4.38%
2011-07-01	4.40	4.40%
2011-07-04	#N/A	4.40%
2011-07-05	4.39	4.39%
2011-07-06	4.35	4.35%
2011-07-07	4.37	4.37%
2011-07-08	4.27	4.27%
2011-07-11	4.20	4.20%
2011-07-12	4.19	4.19%
2011-07-13	4.17	4.17%
2011-07-14	4.25	4.25%
2011-07-15	4.26	4.26%
2011-07-18	4.29	4.29%
2011-07-19	4.19	4.19%
2011-07-20	4.25	4.25%
2011-07-21	4.31	4.31%
2011-07-22	4.26	4.26%
2011-07-25	4.31	4.31%
2011-07-26	4.28	4.28%
2011-07-27	4.29	4.29%
2011-07-28	4.26	4.26%
2011-07-29	4.12	4.12%
2011-08-01	4.07	4.07%
2011-08-02	3.93	3.93%
2011-08-03	3.89	3.89%
2011-08-04	3.70	3.70%
2011-08-05	3.82	3.82%
2011-08-08	3.68	3.68%

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Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2011-08-09	3.56	3.56%
2011-08-10	3.54	3.54%
2011-08-11	3.82	3.82%
2011-08-12	3.72	3.72%
2011-08-15	3.75	3.75%
2011-08-16	3.67	3.67%
2011-08-17	3.57	3.57%
2011-08-18	3.45	3.45%
2011-08-19	3.39	3.39%
2011-08-22	3.42	3.42%
2011-08-23	3.47	3.47%
2011-08-24	3.63	3.63%
2011-08-25	3.60	3.60%
2011-08-26	3.54	3.54%
2011-08-29	3.63	3.63%
2011-08-30	3.53	3.53%
2011-08-31	3.60	3.60%
2011-09-01	3.51	3.51%
2011-09-02	3.32	3.32%
2011-09-05	#N/A	3.32%
2011-09-06	3.26	3.26%
2011-09-07	3.36	3.36%
2011-09-08	3.32	3.32%
2011-09-09	3.26	3.26%
2011-09-12	3.24	3.24%
2011-09-13	3.32	3.32%
2011-09-14	3.32	3.32%
2011-09-15	3.36	3.36%
2011-09-16	3.34	3.34%
2011-09-19	3.22	3.22%
2011-09-20	3.20	3.20%
2011-09-21	3.03	3.03%
2011-09-22	2.78	2.78%
2011-09-23	2.89	2.89%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2011-09-26	2.99	2.99%
2011-09-27	3.08	3.08%
2011-09-28	3.10	3.10%
2011-09-29	3.03	3.03%
2011-09-30	2.90	2.90%
2011-10-03	2.76	2.76%
2011-10-04	2.77	2.77%
2011-10-05	2.87	2.87%
2011-10-06	2.96	2.96%
2011-10-07	3.02	3.02%
2011-10-10	#N/A	3.02%
2011-10-11	3.11	3.11%
2011-10-12	3.19	3.19%
2011-10-13	3.15	3.15%
2011-10-14	3.22	3.22%
2011-10-17	3.13	3.13%
2011-10-18	3.17	3.17%
2011-10-19	3.17	3.17%
2011-10-20	3.19	3.19%
2011-10-21	3.26	3.26%
2011-10-24	3.27	3.27%
2011-10-25	3.13	3.13%
2011-10-26	3.22	3.22%
2011-10-27	3.45	3.45%
2011-10-28	3.36	3.36%
2011-10-31	3.16	3.16%
2011-11-01	2.99	2.99%
2011-11-02	3.03	3.03%
2011-11-03	3.10	3.10%
2011-11-04	3.09	3.09%
2011-11-07	3.05	3.05%
2011-11-08	3.13	3.13%
2011-11-09	3.03	3.03%
2011-11-10	3.12	3.12%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2011-11-11	#N/A	3.12%
2011-11-14	3.09	3.09%
2011-11-15	3.10	3.10%
2011-11-16	3.05	3.05%
2011-11-17	2.98	2.98%
2011-11-18	2.99	2.99%
2011-11-21	2.96	2.96%
2011-11-22	2.91	2.91%
2011-11-23	2.82	2.82%
2011-11-24	#N/A	2.82%
2011-11-25	2.92	2.92%
2011-11-28	2.93	2.93%
2011-11-29	2.96	2.96%
2011-11-30	3.06	3.06%
2011-12-01	3.12	3.12%
2011-12-02	3.03	3.03%
2011-12-05	3.02	3.02%
2011-12-06	3.09	3.09%
2011-12-07	3.04	3.04%
2011-12-08	3.00	3.00%
2011-12-09	3.10	3.10%
2011-12-12	3.06	3.06%
2011-12-13	2.98	2.98%
2011-12-14	2.91	2.91%
2011-12-15	2.92	2.92%
2011-12-16	2.86	2.86%
2011-12-19	2.79	2.79%
2011-12-20	2.93	2.93%
2011-12-21	3.00	3.00%
2011-12-22	2.99	2.99%
2011-12-23	3.05	3.05%
2011-12-26	#N/A	3.05%
2011-12-27	3.04	3.04%
2011-12-28	2.91	2.91%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2011-12-29	2.90	2.90%
2011-12-30	2.89	2.89%
2012-01-02	#N/A	2.89%
2012-01-03	2.98	2.98%
2012-01-04	3.03	3.03%
2012-01-05	3.06	3.06%
2012-01-06	3.02	3.02%
2012-01-09	3.02	3.02%
2012-01-10	3.04	3.04%
2012-01-11	2.96	2.96%
2012-01-12	2.97	2.97%
2012-01-13	2.91	2.91%
2012-01-16	#N/A	2.91%
2012-01-17	2.89	2.89%
2012-01-18	2.96	2.96%
2012-01-19	3.05	3.05%
2012-01-20	3.10	3.10%
2012-01-23	3.15	3.15%
2012-01-24	3.15	3.15%
2012-01-25	3.13	3.13%
2012-01-26	3.10	3.10%
2012-01-27	3.07	3.07%
2012-01-30	2.99	2.99%
2012-01-31	2.94	2.94%
2012-02-01	3.01	3.01%
2012-02-02	3.01	3.01%
2012-02-03	3.13	3.13%
2012-02-06	3.08	3.08%
2012-02-07	3.14	3.14%
2012-02-08	3.14	3.14%
2012-02-09	3.20	3.20%
2012-02-10	3.11	3.11%
2012-02-13	3.14	3.14%
2012-02-14	3.06	3.06%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2012-02-15	3.09	3.09%
2012-02-16	3.14	3.14%
2012-02-17	3.16	3.16%
2012-02-20	#N/A	3.16%
2012-02-21	3.20	3.20%
2012-02-22	3.15	3.15%
2012-02-23	3.13	3.13%
2012-02-24	3.10	3.10%
2012-02-27	3.04	3.04%
2012-02-28	3.07	3.07%
2012-02-29	3.08	3.08%
2012-03-01	3.15	3.15%
2012-03-02	3.11	3.11%
2012-03-05	3.13	3.13%
2012-03-06	3.08	3.08%
2012-03-07	3.12	3.12%
2012-03-08	3.18	3.18%
2012-03-09	3.19	3.19%
2012-03-12	3.17	3.17%
2012-03-13	3.26	3.26%
2012-03-14	3.43	3.43%
2012-03-15	3.41	3.41%
2012-03-16	3.41	3.41%
2012-03-19	3.48	3.48%
2012-03-20	3.46	3.46%
2012-03-21	3.38	3.38%
2012-03-22	3.37	3.37%
2012-03-23	3.31	3.31%
2012-03-26	3.33	3.33%
2012-03-27	3.29	3.29%
2012-03-28	3.31	3.31%
2012-03-29	3.27	3.27%
2012-03-30	3.35	3.35%
2012-04-02	3.35	3.35%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2012-04-03	3.41	3.41%
2012-04-04	3.37	3.37%
2012-04-05	3.32	3.32%
2012-04-06	3.21	3.21%
2012-04-09	3.18	3.18%
2012-04-10	3.13	3.13%
2012-04-11	3.18	3.18%
2012-04-12	3.22	3.22%
2012-04-13	3.14	3.14%
2012-04-16	3.12	3.12%
2012-04-17	3.15	3.15%
2012-04-18	3.13	3.13%
2012-04-19	3.12	3.12%
2012-04-20	3.12	3.12%
2012-04-23	3.08	3.08%
2012-04-24	3.12	3.12%
2012-04-25	3.15	3.15%
2012-04-26	3.13	3.13%
2012-04-27	3.12	3.12%
2012-04-30	3.12	3.12%
2012-05-01	3.16	3.16%
2012-05-02	3.11	3.11%
2012-05-03	3.12	3.12%
2012-05-04	3.07	3.07%
2012-05-07	3.07	3.07%
2012-05-08	3.03	3.03%
2012-05-09	3.03	3.03%
2012-05-10	3.07	3.07%
2012-05-11	3.02	3.02%
2012-05-14	2.95	2.95%
2012-05-15	2.91	2.91%
2012-05-16	2.90	2.90%
2012-05-17	2.80	2.80%
2012-05-18	2.80	2.80%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2012-05-21	2.80	2.80%
2012-05-22	2.88	2.88%
2012-05-23	2.81	2.81%
2012-05-24	2.86	2.86%
2012-05-25	2.85	2.85%
2012-05-28	#N/A	2.85%
2012-05-29	2.85	2.85%
2012-05-30	2.72	2.72%
2012-05-31	2.67	2.67%
2012-06-01	2.53	2.53%
2012-06-04	2.56	2.56%
2012-06-05	2.63	2.63%
2012-06-06	2.73	2.73%
2012-06-07	2.75	2.75%
2012-06-08	2.77	2.77%
2012-06-11	2.71	2.71%
2012-06-12	2.77	2.77%
2012-06-13	2.70	2.70%
2012-06-14	2.73	2.73%
2012-06-15	2.70	2.70%
2012-06-18	2.67	2.67%
2012-06-19	2.73	2.73%
2012-06-20	2.72	2.72%
2012-06-21	2.68	2.68%
2012-06-22	2.75	2.75%
2012-06-25	2.69	2.69%
2012-06-26	2.71	2.71%
2012-06-27	2.70	2.70%
2012-06-28	2.67	2.67%
2012-06-29	2.76	2.76%
2012-07-02	2.69	2.69%
2012-07-03	2.74	2.74%
2012-07-04	#N/A	2.74%
2012-07-05	2.72	2.72%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2012-07-06	2.66	2.66%
2012-07-09	2.62	2.62%
2012-07-10	2.60	2.60%
2012-07-11	2.60	2.60%
2012-07-12	2.57	2.57%
2012-07-13	2.58	2.58%
2012-07-16	2.56	2.56%
2012-07-17	2.59	2.59%
2012-07-18	2.59	2.59%
2012-07-19	2.61	2.61%
2012-07-20	2.55	2.55%
2012-07-23	2.52	2.52%
2012-07-24	2.47	2.47%
2012-07-25	2.46	2.46%
2012-07-26	2.49	2.49%
2012-07-27	2.63	2.63%
2012-07-30	2.58	2.58%
2012-07-31	2.56	2.56%
2012-08-01	2.60	2.60%
2012-08-02	2.55	2.55%
2012-08-03	2.65	2.65%
2012-08-06	2.65	2.65%
2012-08-07	2.72	2.72%
2012-08-08	2.75	2.75%
2012-08-09	2.78	2.78%
2012-08-10	2.74	2.74%
2012-08-13	2.74	2.74%
2012-08-14	2.82	2.82%
2012-08-15	2.90	2.90%
2012-08-16	2.96	2.96%
2012-08-17	2.93	2.93%
2012-08-20	2.93	2.93%
2012-08-21	2.90	2.90%
2012-08-22	2.82	2.82%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2012-08-23	2.79	2.79%
2012-08-24	2.79	2.79%
2012-08-27	2.76	2.76%
2012-08-28	2.75	2.75%
2012-08-29	2.77	2.77%
2012-08-30	2.75	2.75%
2012-08-31	2.68	2.68%
2012-09-03	#N/A	2.68%
2012-09-04	2.69	2.69%
2012-09-05	2.70	2.70%
2012-09-06	2.80	2.80%
2012-09-07	2.81	2.81%
2012-09-10	2.83	2.83%
2012-09-11	2.84	2.84%
2012-09-12	2.92	2.92%
2012-09-13	2.95	2.95%
2012-09-14	3.09	3.09%
2012-09-17	3.03	3.03%
2012-09-18	3.00	3.00%
2012-09-19	2.97	2.97%
2012-09-20	2.96	2.96%
2012-09-21	2.95	2.95%
2012-09-24	2.91	2.91%
2012-09-25	2.86	2.86%
2012-09-26	2.79	2.79%
2012-09-27	2.83	2.83%
2012-09-28	2.82	2.82%
2012-10-01	2.81	2.81%
2012-10-02	2.81	2.81%
2012-10-03	2.82	2.82%
2012-10-04	2.89	2.89%
2012-10-05	2.96	2.96%
2012-10-08	#N/A	2.96%
2012-10-09	2.93	2.93%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2012-10-10	2.89	2.89%
2012-10-11	2.86	2.86%
2012-10-12	2.83	2.83%
2012-10-15	2.85	2.85%
2012-10-16	2.91	2.91%
2012-10-17	2.98	2.98%
2012-10-18	3.02	3.02%
2012-10-19	2.94	2.94%
2012-10-22	2.95	2.95%
2012-10-23	2.91	2.91%
2012-10-24	2.93	2.93%
2012-10-25	2.98	2.98%
2012-10-26	2.92	2.92%
2012-10-29	2.87	2.87%
2012-10-30	#N/A	2.87%
2012-10-31	2.85	2.85%
2012-11-01	2.89	2.89%
2012-11-02	2.91	2.91%
2012-11-05	2.88	2.88%
2012-11-06	2.92	2.92%
2012-11-07	2.83	2.83%
2012-11-08	2.77	2.77%
2012-11-09	2.75	2.75%
2012-11-12	#N/A	2.75%
2012-11-13	2.72	2.72%
2012-11-14	2.73	2.73%
2012-11-15	2.72	2.72%
2012-11-16	2.73	2.73%
2012-11-19	2.76	2.76%
2012-11-20	2.82	2.82%
2012-11-21	2.83	2.83%
2012-11-22	#N/A	2.83%
2012-11-23	2.83	2.83%
2012-11-26	2.80	2.80%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2012-11-27	2.79	2.79%
2012-11-28	2.79	2.79%
2012-11-29	2.79	2.79%
2012-11-30	2.81	2.81%
2012-12-03	2.80	2.80%
2012-12-04	2.78	2.78%
2012-12-05	2.78	2.78%
2012-12-06	2.76	2.76%
2012-12-07	2.81	2.81%
2012-12-10	2.80	2.80%
2012-12-11	2.83	2.83%
2012-12-12	2.90	2.90%
2012-12-13	2.90	2.90%
2012-12-14	2.87	2.87%
2012-12-17	2.94	2.94%
2012-12-18	3.00	3.00%
2012-12-19	2.99	2.99%
2012-12-20	2.98	2.98%
2012-12-21	2.93	2.93%
2012-12-24	2.94	2.94%
2012-12-25	#N/A	2.94%
2012-12-26	2.94	2.94%
2012-12-27	2.89	2.89%
2012-12-28	2.88	2.88%
2012-12-31	2.95	2.95%
2013-01-01	#N/A	2.95%
2013-01-02	3.04	3.04%
2013-01-03	3.12	3.12%
2013-01-04	3.10	3.10%
2013-01-07	3.10	3.10%
2013-01-08	3.06	3.06%
2013-01-09	3.06	3.06%
2013-01-10	3.08	3.08%
2013-01-11	3.05	3.05%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2013-01-14	3.05	3.05%
2013-01-15	3.02	3.02%
2013-01-16	3.01	3.01%
2013-01-17	3.06	3.06%
2013-01-18	3.03	3.03%
2013-01-21	#N/A	3.03%
2013-01-22	3.02	3.02%
2013-01-23	3.02	3.02%
2013-01-24	3.04	3.04%
2013-01-25	3.14	3.14%
2013-01-28	3.15	3.15%
2013-01-29	3.18	3.18%
2013-01-30	3.19	3.19%
2013-01-31	3.17	3.17%
2013-02-01	3.21	3.21%
2013-02-04	3.17	3.17%
2013-02-05	3.21	3.21%
2013-02-06	3.18	3.18%
2013-02-07	3.17	3.17%
2013-02-08	3.17	3.17%
2013-02-11	3.16	3.16%
2013-02-12	3.19	3.19%
2013-02-13	3.23	3.23%
2013-02-14	3.17	3.17%
2013-02-15	3.18	3.18%
2013-02-18	#N/A	3.18%
2013-02-19	3.21	3.21%
2013-02-20	3.20	3.20%
2013-02-21	3.17	3.17%
2013-02-22	3.15	3.15%
2013-02-25	3.08	3.08%
2013-02-26	3.08	3.08%
2013-02-27	3.11	3.11%
2013-02-28	3.10	3.10%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2013-03-01	3.06	3.06%
2013-03-04	3.08	3.08%
2013-03-05	3.10	3.10%
2013-03-06	3.15	3.15%
2013-03-07	3.20	3.20%
2013-03-08	3.25	3.25%
2013-03-11	3.26	3.26%
2013-03-12	3.22	3.22%
2013-03-13	3.22	3.22%
2013-03-14	3.25	3.25%
2013-03-15	3.22	3.22%
2013-03-18	3.18	3.18%
2013-03-19	3.13	3.13%
2013-03-20	3.19	3.19%
2013-03-21	3.15	3.15%
2013-03-22	3.13	3.13%
2013-03-25	3.14	3.14%
2013-03-26	3.13	3.13%
2013-03-27	3.09	3.09%
2013-03-28	3.10	3.10%
2013-03-29	#N/A	3.10%
2013-04-01	3.08	3.08%
2013-04-02	3.10	3.10%
2013-04-03	3.05	3.05%
2013-04-04	2.99	2.99%
2013-04-05	2.87	2.87%
2013-04-08	2.91	2.91%
2013-04-09	2.94	2.94%
2013-04-10	3.01	3.01%
2013-04-11	3.01	3.01%
2013-04-12	2.92	2.92%
2013-04-15	2.88	2.88%
2013-04-16	2.91	2.91%
2013-04-17	2.89	2.89%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2013-04-18	2.87	2.87%
2013-04-19	2.88	2.88%
2013-04-22	2.88	2.88%
2013-04-23	2.90	2.90%
2013-04-24	2.89	2.89%
2013-04-25	2.91	2.91%
2013-04-26	2.87	2.87%
2013-04-29	2.88	2.88%
2013-04-30	2.88	2.88%
2013-05-01	2.83	2.83%
2013-05-02	2.82	2.82%
2013-05-03	2.96	2.96%
2013-05-06	2.98	2.98%
2013-05-07	3.00	3.00%
2013-05-08	2.99	2.99%
2013-05-09	3.01	3.01%
2013-05-10	3.10	3.10%
2013-05-13	3.13	3.13%
2013-05-14	3.17	3.17%
2013-05-15	3.16	3.16%
2013-05-16	3.09	3.09%
2013-05-17	3.17	3.17%
2013-05-20	3.18	3.18%
2013-05-21	3.14	3.14%
2013-05-22	3.21	3.21%
2013-05-23	3.20	3.20%
2013-05-24	3.18	3.18%
2013-05-27	#N/A	3.18%
2013-05-28	3.31	3.31%
2013-05-29	3.27	3.27%
2013-05-30	3.28	3.28%
2013-05-31	3.30	3.30%
2013-06-03	3.27	3.27%
2013-06-04	3.30	3.30%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2013-06-05	3.25	3.25%
2013-06-06	3.23	3.23%
2013-06-07	3.33	3.33%
2013-06-10	3.36	3.36%
2013-06-11	3.33	3.33%
2013-06-12	3.37	3.37%
2013-06-13	3.33	3.33%
2013-06-14	3.28	3.28%
2013-06-17	3.35	3.35%
2013-06-18	3.34	3.34%
2013-06-19	3.41	3.41%
2013-06-20	3.49	3.49%
2013-06-21	3.56	3.56%
2013-06-24	3.56	3.56%
2013-06-25	3.60	3.60%
2013-06-26	3.58	3.58%
2013-06-27	3.54	3.54%
2013-06-28	3.52	3.52%
2013-07-01	3.48	3.48%
2013-07-02	3.47	3.47%
2013-07-03	3.49	3.49%
2013-07-04	#N/A	3.49%
2013-07-05	3.68	3.68%
2013-07-08	3.63	3.63%
2013-07-09	3.64	3.64%
2013-07-10	3.68	3.68%
2013-07-11	3.64	3.64%
2013-07-12	3.64	3.64%
2013-07-15	3.61	3.61%
2013-07-16	3.58	3.58%
2013-07-17	3.57	3.57%
2013-07-18	3.63	3.63%
2013-07-19	3.56	3.56%
2013-07-22	3.55	3.55%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2013-07-23	3.58	3.58%
2013-07-24	3.65	3.65%
2013-07-25	3.65	3.65%
2013-07-26	3.61	3.61%
2013-07-29	3.66	3.66%
2013-07-30	3.67	3.67%
2013-07-31	3.64	3.64%
2013-08-01	3.77	3.77%
2013-08-02	3.69	3.69%
2013-08-05	3.73	3.73%
2013-08-06	3.73	3.73%
2013-08-07	3.68	3.68%
2013-08-08	3.65	3.65%
2013-08-09	3.63	3.63%
2013-08-12	3.67	3.67%
2013-08-13	3.75	3.75%
2013-08-14	3.75	3.75%
2013-08-15	3.81	3.81%
2013-08-16	3.86	3.86%
2013-08-19	3.89	3.89%
2013-08-20	3.86	3.86%
2013-08-21	3.90	3.90%
2013-08-22	3.88	3.88%
2013-08-23	3.80	3.80%
2013-08-26	3.77	3.77%
2013-08-27	3.70	3.70%
2013-08-28	3.75	3.75%
2013-08-29	3.70	3.70%
2013-08-30	3.70	3.70%
2013-09-02	#N/A	3.70%
2013-09-03	3.79	3.79%
2013-09-04	3.80	3.80%
2013-09-05	3.88	3.88%
2013-09-06	3.87	3.87%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2013-09-09	3.84	3.84%
2013-09-10	3.88	3.88%
2013-09-11	3.85	3.85%
2013-09-12	3.85	3.85%
2013-09-13	3.84	3.84%
2013-09-16	3.87	3.87%
2013-09-17	3.84	3.84%
2013-09-18	3.75	3.75%
2013-09-19	3.80	3.80%
2013-09-20	3.77	3.77%
2013-09-23	3.73	3.73%
2013-09-24	3.67	3.67%
2013-09-25	3.65	3.65%
2013-09-26	3.69	3.69%
2013-09-27	3.68	3.68%
2013-09-30	3.69	3.69%
2013-10-01	3.72	3.72%
2013-10-02	3.70	3.70%
2013-10-03	3.71	3.71%
2013-10-04	3.73	3.73%
2013-10-07	3.70	3.70%
2013-10-08	3.70	3.70%
2013-10-09	3.73	3.73%
2013-10-10	3.75	3.75%
2013-10-11	3.74	3.74%
2013-10-14	#N/A	3.74%
2013-10-15	3.78	3.78%
2013-10-16	3.72	3.72%
2013-10-17	3.66	3.66%
2013-10-18	3.65	3.65%
2013-10-21	3.68	3.68%
2013-10-22	3.61	3.61%
2013-10-23	3.59	3.59%
2013-10-24	3.61	3.61%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2013-10-25	3.60	3.60%
2013-10-28	3.61	3.61%
2013-10-29	3.62	3.62%
2013-10-30	3.63	3.63%
2013-10-31	3.63	3.63%
2013-11-01	3.69	3.69%
2013-11-04	3.70	3.70%
2013-11-05	3.76	3.76%
2013-11-06	3.77	3.77%
2013-11-07	3.71	3.71%
2013-11-08	3.84	3.84%
2013-11-11	#N/A	3.84%
2013-11-12	3.86	3.86%
2013-11-13	3.83	3.83%
2013-11-14	3.79	3.79%
2013-11-15	3.80	3.80%
2013-11-18	3.76	3.76%
2013-11-19	3.80	3.80%
2013-11-20	3.90	3.90%
2013-11-21	3.89	3.89%
2013-11-22	3.84	3.84%
2013-11-25	3.83	3.83%
2013-11-26	3.80	3.80%
2013-11-27	3.81	3.81%
2013-11-28	#N/A	3.81%
2013-11-29	3.82	3.82%
2013-12-02	3.86	3.86%
2013-12-03	3.84	3.84%
2013-12-04	3.90	3.90%
2013-12-05	3.92	3.92%
2013-12-06	3.90	3.90%
2013-12-09	3.88	3.88%
2013-12-10	3.83	3.83%
2013-12-11	3.87	3.87%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2013-12-12	3.91	3.91%
2013-12-13	3.88	3.88%
2013-12-16	3.90	3.90%
2013-12-17	3.88	3.88%
2013-12-18	3.90	3.90%
2013-12-19	3.91	3.91%
2013-12-20	3.82	3.82%
2013-12-23	3.85	3.85%
2013-12-24	3.90	3.90%
2013-12-25	#N/A	3.90%
2013-12-26	3.92	3.92%
2013-12-27	3.94	3.94%
2013-12-30	3.90	3.90%
2013-12-31	3.96	3.96%
2014-01-01	#N/A	3.96%
2014-01-02	3.92	3.92%
2014-01-03	3.93	3.93%
2014-01-06	3.90	3.90%
2014-01-07	3.88	3.88%
2014-01-08	3.90	3.90%
2014-01-09	3.88	3.88%
2014-01-10	3.80	3.80%
2014-01-13	3.77	3.77%
2014-01-14	3.80	3.80%
2014-01-15	3.81	3.81%
2014-01-16	3.77	3.77%
2014-01-17	3.75	3.75%
2014-01-20	#N/A	3.75%
2014-01-21	3.74	3.74%
2014-01-22	3.75	3.75%
2014-01-23	3.68	3.68%
2014-01-24	3.64	3.64%
2014-01-27	3.67	3.67%
2014-01-28	3.68	3.68%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2014-01-29	3.62	3.62%
2014-01-30	3.65	3.65%
2014-01-31	3.61	3.61%
2014-02-03	3.55	3.55%
2014-02-04	3.59	3.59%
2014-02-05	3.66	3.66%
2014-02-06	3.67	3.67%
2014-02-07	3.67	3.67%
2014-02-10	3.66	3.66%
2014-02-11	3.69	3.69%
2014-02-12	3.72	3.72%
2014-02-13	3.70	3.70%
2014-02-14	3.69	3.69%
2014-02-17	#N/A	3.69%
2014-02-18	3.68	3.68%
2014-02-19	3.71	3.71%
2014-02-20	3.73	3.73%
2014-02-21	3.69	3.69%
2014-02-24	3.70	3.70%
2014-02-25	3.66	3.66%
2014-02-26	3.63	3.63%
2014-02-27	3.60	3.60%
2014-02-28	3.59	3.59%
2014-03-03	3.55	3.55%
2014-03-04	3.64	3.64%
2014-03-05	3.64	3.64%
2014-03-06	3.68	3.68%
2014-03-07	3.72	3.72%
2014-03-10	3.73	3.73%
2014-03-11	3.70	3.70%
2014-03-12	3.66	3.66%
2014-03-13	3.60	3.60%
2014-03-14	3.59	3.59%
2014-03-17	3.63	3.63%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2014-03-18	3.62	3.62%
2014-03-19	3.66	3.66%
2014-03-20	3.67	3.67%
2014-03-21	3.61	3.61%
2014-03-24	3.57	3.57%
2014-03-25	3.59	3.59%
2014-03-26	3.55	3.55%
2014-03-27	3.52	3.52%
2014-03-28	3.55	3.55%
2014-03-31	3.56	3.56%
2014-04-01	3.60	3.60%
2014-04-02	3.65	3.65%
2014-04-03	3.62	3.62%
2014-04-04	3.59	3.59%
2014-04-07	3.56	3.56%
2014-04-08	3.54	3.54%
2014-04-09	3.57	3.57%
2014-04-10	3.52	3.52%
2014-04-11	3.48	3.48%
2014-04-14	3.48	3.48%
2014-04-15	3.46	3.46%
2014-04-16	3.45	3.45%
2014-04-17	3.52	3.52%
2014-04-18	#N/A	3.52%
2014-04-21	3.52	3.52%
2014-04-22	3.50	3.50%
2014-04-23	3.47	3.47%
2014-04-24	3.46	3.46%
2014-04-25	3.45	3.45%
2014-04-28	3.47	3.47%
2014-04-29	3.49	3.49%
2014-04-30	3.47	3.47%
2014-05-01	3.41	3.41%
2014-05-02	3.37	3.37%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2014-05-05	3.41	3.41%
2014-05-06	3.38	3.38%
2014-05-07	3.40	3.40%
2014-05-08	3.45	3.45%
2014-05-09	3.47	3.47%
2014-05-12	3.49	3.49%
2014-05-13	3.45	3.45%
2014-05-14	3.37	3.37%
2014-05-15	3.33	3.33%
2014-05-16	3.34	3.34%
2014-05-19	3.39	3.39%
2014-05-20	3.38	3.38%
2014-05-21	3.42	3.42%
2014-05-22	3.43	3.43%
2014-05-23	3.40	3.40%
2014-05-26	#N/A	3.40%
2014-05-27	3.37	3.37%
2014-05-28	3.29	3.29%
2014-05-29	3.31	3.31%
2014-05-30	3.33	3.33%
2014-06-02	3.38	3.38%
2014-06-03	3.43	3.43%
2014-06-04	3.45	3.45%
2014-06-05	3.44	3.44%
2014-06-06	3.44	3.44%
2014-06-09	3.45	3.45%
2014-06-10	3.47	3.47%
2014-06-11	3.47	3.47%
2014-06-12	3.41	3.41%
2014-06-13	3.41	3.41%
2014-06-16	3.40	3.40%
2014-06-17	3.44	3.44%
2014-06-18	3.43	3.43%
2014-06-19	3.47	3.47%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2014-06-20	3.44	3.44%
2014-06-23	3.45	3.45%
2014-06-24	3.41	3.41%
2014-06-25	3.38	3.38%
2014-06-26	3.35	3.35%
2014-06-27	3.36	3.36%
2014-06-30	3.34	3.34%
2014-07-01	3.40	3.40%
2014-07-02	3.46	3.46%
2014-07-03	3.47	3.47%
2014-07-04	#N/A	3.47%
2014-07-07	3.44	3.44%
2014-07-08	3.38	3.38%
2014-07-09	3.37	3.37%
2014-07-10	3.38	3.38%
2014-07-11	3.34	3.34%
2014-07-14	3.36	3.36%
2014-07-15	3.37	3.37%
2014-07-16	3.35	3.35%
2014-07-17	3.27	3.27%
2014-07-18	3.29	3.29%
2014-07-21	3.26	3.26%
2014-07-22	3.25	3.25%
2014-07-23	3.26	3.26%
2014-07-24	3.30	3.30%
2014-07-25	3.24	3.24%
2014-07-28	3.26	3.26%
2014-07-29	3.22	3.22%
2014-07-30	3.31	3.31%
2014-07-31	3.32	3.32%
2014-08-01	3.29	3.29%
2014-08-04	3.30	3.30%
2014-08-05	3.28	3.28%
2014-08-06	3.27	3.27%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2014-08-07	3.23	3.23%
2014-08-08	3.23	3.23%
2014-08-11	3.24	3.24%
2014-08-12	3.27	3.27%
2014-08-13	3.24	3.24%
2014-08-14	3.20	3.20%
2014-08-15	3.13	3.13%
2014-08-18	3.20	3.20%
2014-08-19	3.21	3.21%
2014-08-20	3.22	3.22%
2014-08-21	3.19	3.19%
2014-08-22	3.16	3.16%
2014-08-25	3.13	3.13%
2014-08-26	3.15	3.15%
2014-08-27	3.11	3.11%
2014-08-28	3.08	3.08%
2014-08-29	3.09	3.09%
2014-09-01	#N/A	3.09%
2014-09-02	3.17	3.17%
2014-09-03	3.15	3.15%
2014-09-04	3.21	3.21%
2014-09-05	3.23	3.23%
2014-09-08	3.23	3.23%
2014-09-09	3.23	3.23%
2014-09-10	3.26	3.26%
2014-09-11	3.27	3.27%
2014-09-12	3.35	3.35%
2014-09-15	3.34	3.34%
2014-09-16	3.36	3.36%
2014-09-17	3.37	3.37%
2014-09-18	3.36	3.36%
2014-09-19	3.29	3.29%
2014-09-22	3.28	3.28%
2014-09-23	3.25	3.25%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2014-09-24	3.28	3.28%
2014-09-25	3.22	3.22%
2014-09-26	3.22	3.22%
2014-09-29	3.18	3.18%
2014-09-30	3.21	3.21%
2014-10-01	3.12	3.12%
2014-10-02	3.15	3.15%
2014-10-03	3.13	3.13%
2014-10-06	3.12	3.12%
2014-10-07	3.06	3.06%
2014-10-08	3.07	3.07%
2014-10-09	3.07	3.07%
2014-10-10	3.03	3.03%
2014-10-13	#N/A	3.03%
2014-10-14	2.95	2.95%
2014-10-15	2.92	2.92%
2014-10-16	2.94	2.94%
2014-10-17	2.98	2.98%
2014-10-20	2.96	2.96%
2014-10-21	3.00	3.00%
2014-10-22	3.01	3.01%
2014-10-23	3.05	3.05%
2014-10-24	3.05	3.05%
2014-10-27	3.04	3.04%
2014-10-28	3.06	3.06%
2014-10-29	3.06	3.06%
2014-10-30	3.04	3.04%
2014-10-31	3.07	3.07%
2014-11-03	3.07	3.07%
2014-11-04	3.05	3.05%
2014-11-05	3.06	3.06%
2014-11-06	3.09	3.09%
2014-11-07	3.04	3.04%
2014-11-10	3.09	3.09%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2014-11-11	#N/A	3.09%
2014-11-12	3.09	3.09%
2014-11-13	3.08	3.08%
2014-11-14	3.04	3.04%
2014-11-17	3.06	3.06%
2014-11-18	3.05	3.05%
2014-11-19	3.08	3.08%
2014-11-20	3.05	3.05%
2014-11-21	3.02	3.02%
2014-11-24	3.01	3.01%
2014-11-25	2.97	2.97%
2014-11-26	2.95	2.95%
2014-11-27	#N/A	2.95%
2014-11-28	2.89	2.89%
2014-12-01	2.95	2.95%
2014-12-02	3.00	3.00%
2014-12-03	2.99	2.99%
2014-12-04	2.94	2.94%
2014-12-05	2.97	2.97%
2014-12-08	2.90	2.90%
2014-12-09	2.87	2.87%
2014-12-10	2.83	2.83%
2014-12-11	2.84	2.84%
2014-12-12	2.75	2.75%
2014-12-15	2.74	2.74%
2014-12-16	2.69	2.69%
2014-12-17	2.74	2.74%
2014-12-18	2.82	2.82%
2014-12-19	2.77	2.77%
2014-12-22	2.75	2.75%
2014-12-23	2.85	2.85%
2014-12-24	2.83	2.83%
2014-12-25	#N/A	2.83%
2014-12-26	2.81	2.81%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2014-12-29	2.78	2.78%
2014-12-30	2.76	2.76%
2014-12-31	2.75	2.75%
2015-01-01	#N/A	2.75%
2015-01-02	2.69	2.69%
2015-01-05	2.60	2.60%
2015-01-06	2.52	2.52%
2015-01-07	2.52	2.52%
2015-01-08	2.59	2.59%
2015-01-09	2.55	2.55%
2015-01-12	2.49	2.49%
2015-01-13	2.49	2.49%
2015-01-14	2.47	2.47%
2015-01-15	2.40	2.40%
2015-01-16	2.44	2.44%
2015-01-19	#N/A	2.44%
2015-01-20	2.39	2.39%
2015-01-21	2.44	2.44%
2015-01-22	2.46	2.46%
2015-01-23	2.38	2.38%
2015-01-26	2.40	2.40%
2015-01-27	2.40	2.40%
2015-01-28	2.29	2.29%
2015-01-29	2.33	2.33%
2015-01-30	2.25	2.25%
2015-02-02	2.25	2.25%
2015-02-03	2.37	2.37%
2015-02-04	2.39	2.39%
2015-02-05	2.42	2.42%
2015-02-06	2.51	2.51%
2015-02-09	2.52	2.52%
2015-02-10	2.58	2.58%
2015-02-11	2.57	2.57%
2015-02-12	2.58	2.58%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2015-02-13	2.63	2.63%
2015-02-16	#N/A	2.63%
2015-02-17	2.73	2.73%
2015-02-18	2.70	2.70%
2015-02-19	2.73	2.73%
2015-02-20	2.73	2.73%
2015-02-23	2.66	2.66%
2015-02-24	2.60	2.60%
2015-02-25	2.56	2.56%
2015-02-26	2.63	2.63%
2015-02-27	2.60	2.60%
2015-03-02	2.68	2.68%
2015-03-03	2.71	2.71%
2015-03-04	2.72	2.72%
2015-03-05	2.71	2.71%
2015-03-06	2.83	2.83%
2015-03-09	2.80	2.80%
2015-03-10	2.73	2.73%
2015-03-11	2.69	2.69%
2015-03-12	2.69	2.69%
2015-03-13	2.70	2.70%
2015-03-16	2.67	2.67%
2015-03-17	2.61	2.61%
2015-03-18	2.51	2.51%
2015-03-19	2.54	2.54%
2015-03-20	2.50	2.50%
2015-03-23	2.51	2.51%
2015-03-24	2.46	2.46%
2015-03-25	2.50	2.50%
2015-03-26	2.60	2.60%
2015-03-27	2.53	2.53%
2015-03-30	2.55	2.55%
2015-03-31	2.54	2.54%
2015-04-01	2.47	2.47%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2015-04-02	2.53	2.53%
2015-04-03	2.49	2.49%
2015-04-06	2.57	2.57%
2015-04-07	2.52	2.52%
2015-04-08	2.53	2.53%
2015-04-09	2.61	2.61%
2015-04-10	2.58	2.58%
2015-04-13	2.58	2.58%
2015-04-14	2.54	2.54%
2015-04-15	2.55	2.55%
2015-04-16	2.56	2.56%
2015-04-17	2.51	2.51%
2015-04-20	2.56	2.56%
2015-04-21	2.58	2.58%
2015-04-22	2.66	2.66%
2015-04-23	2.63	2.63%
2015-04-24	2.62	2.62%
2015-04-27	2.61	2.61%
2015-04-28	2.68	2.68%
2015-04-29	2.76	2.76%
2015-04-30	2.75	2.75%
2015-05-01	2.82	2.82%
2015-05-04	2.88	2.88%
2015-05-05	2.90	2.90%
2015-05-06	2.98	2.98%
2015-05-07	2.90	2.90%
2015-05-08	2.90	2.90%
2015-05-11	3.03	3.03%
2015-05-12	3.02	3.02%
2015-05-13	3.07	3.07%
2015-05-14	3.03	3.03%
2015-05-15	2.93	2.93%
2015-05-18	3.02	3.02%
2015-05-19	3.05	3.05%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2015-05-20	3.06	3.06%
2015-05-21	2.98	2.98%
2015-05-22	2.99	2.99%
2015-05-25	#N/A	2.99%
2015-05-26	2.89	2.89%
2015-05-27	2.88	2.88%
2015-05-28	2.89	2.89%
2015-05-29	2.88	2.88%
2015-06-01	2.94	2.94%
2015-06-02	3.02	3.02%
2015-06-03	3.11	3.11%
2015-06-04	3.03	3.03%
2015-06-05	3.11	3.11%
2015-06-08	3.11	3.11%
2015-06-09	3.15	3.15%
2015-06-10	3.22	3.22%
2015-06-11	3.11	3.11%
2015-06-12	3.10	3.10%
2015-06-15	3.09	3.09%
2015-06-16	3.06	3.06%
2015-06-17	3.09	3.09%
2015-06-18	3.14	3.14%
2015-06-19	3.05	3.05%
2015-06-22	3.16	3.16%
2015-06-23	3.20	3.20%
2015-06-24	3.16	3.16%
2015-06-25	3.16	3.16%
2015-06-26	3.25	3.25%
2015-06-29	3.09	3.09%
2015-06-30	3.11	3.11%
2015-07-01	3.20	3.20%
2015-07-02	3.19	3.19%
2015-07-03	#N/A	3.19%
2015-07-06	3.08	3.08%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2015-07-07	3.04	3.04%
2015-07-08	2.99	2.99%
2015-07-09	3.11	3.11%
2015-07-10	3.20	3.20%
2015-07-13	3.21	3.21%
2015-07-14	3.20	3.20%
2015-07-15	3.13	3.13%
2015-07-16	3.11	3.11%
2015-07-17	3.08	3.08%
2015-07-20	3.10	3.10%
2015-07-21	3.08	3.08%
2015-07-22	3.04	3.04%
2015-07-23	2.98	2.98%
2015-07-24	2.96	2.96%
2015-07-27	2.93	2.93%
2015-07-28	2.96	2.96%
2015-07-29	2.99	2.99%
2015-07-30	2.96	2.96%
2015-07-31	2.92	2.92%
2015-08-03	2.86	2.86%
2015-08-04	2.90	2.90%
2015-08-05	2.94	2.94%
2015-08-06	2.90	2.90%
2015-08-07	2.83	2.83%
2015-08-10	2.89	2.89%
2015-08-11	2.81	2.81%
2015-08-12	2.84	2.84%
2015-08-13	2.86	2.86%
2015-08-14	2.84	2.84%
2015-08-17	2.81	2.81%
2015-08-18	2.87	2.87%
2015-08-19	2.81	2.81%
2015-08-20	2.76	2.76%
2015-08-21	2.74	2.74%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30		
2015-08-24		2.73	2.73%
2015-08-25		2.84	2.84%
2015-08-26		2.94	2.94%
2015-08-27		2.93	2.93%
2015-08-28		2.92	2.92%
2015-08-31		2.95	2.95%
2015-09-01		2.93	2.93%
2015-09-02		2.97	2.97%
2015-09-03		2.95	2.95%
2015-09-04		2.89	2.89%
2015-09-07		#N/A	2.89%
2015-09-08		2.97	2.97%
2015-09-09		2.96	2.96%
2015-09-10		2.98	2.98%
2015-09-11		2.95	2.95%
2015-09-14		2.95	2.95%
2015-09-15		3.06	3.06%
2015-09-16		3.08	3.08%
2015-09-17		3.02	3.02%
2015-09-18		2.93	2.93%
2015-09-21		3.02	3.02%
2015-09-22		2.94	2.94%
2015-09-23		2.95	2.95%
2015-09-24		2.91	2.91%
2015-09-25		2.96	2.96%
2015-09-28		2.87	2.87%
2015-09-29		2.85	2.85%
2015-09-30		2.87	2.87%
2015-10-01		2.85	2.85%
2015-10-02		2.82	2.82%
2015-10-05		2.90	2.90%
2015-10-06		2.88	2.88%
2015-10-07		2.89	2.89%
2015-10-08		2.96	2.96%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2015-10-09	2.94	2.94%
2015-10-12	#N/A	2.94%
2015-10-13	2.89	2.89%
2015-10-14	2.84	2.84%
2015-10-15	2.87	2.87%
2015-10-16	2.87	2.87%
2015-10-19	2.89	2.89%
2015-10-20	2.92	2.92%
2015-10-21	2.87	2.87%
2015-10-22	2.87	2.87%
2015-10-23	2.90	2.90%
2015-10-26	2.87	2.87%
2015-10-27	2.86	2.86%
2015-10-28	2.87	2.87%
2015-10-29	2.96	2.96%
2015-10-30	2.93	2.93%
2015-11-02	2.95	2.95%
2015-11-03	3.00	3.00%
2015-11-04	3.00	3.00%
2015-11-05	3.01	3.01%
2015-11-06	3.09	3.09%
2015-11-09	3.12	3.12%
2015-11-10	3.10	3.10%
2015-11-11	#N/A	3.10%
2015-11-12	3.09	3.09%
2015-11-13	3.06	3.06%
2015-11-16	3.07	3.07%
2015-11-17	3.04	3.04%
2015-11-18	3.04	3.04%
2015-11-19	3.00	3.00%
2015-11-20	3.02	3.02%
2015-11-23	3.00	3.00%
2015-11-24	3.00	3.00%
2015-11-25	3.00	3.00%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2015-11-26	#N/A	3.00%
2015-11-27	3.00	3.00%
2015-11-30	2.98	2.98%
2015-12-01	2.91	2.91%
2015-12-02	2.91	2.91%
2015-12-03	3.07	3.07%
2015-12-04	3.01	3.01%
2015-12-07	2.95	2.95%
2015-12-08	2.97	2.97%
2015-12-09	2.97	2.97%
2015-12-10	2.98	2.98%
2015-12-11	2.87	2.87%
2015-12-14	2.96	2.96%
2015-12-15	3.00	3.00%
2015-12-16	3.02	3.02%
2015-12-17	2.94	2.94%
2015-12-18	2.90	2.90%
2015-12-21	2.92	2.92%
2015-12-22	2.96	2.96%
2015-12-23	3.00	3.00%
2015-12-24	2.96	2.96%
2015-12-25	#N/A	2.96%
2015-12-28	2.95	2.95%
2015-12-29	3.04	3.04%
2015-12-30	3.04	3.04%
2015-12-31	3.01	3.01%
2016-01-01	#N/A	3.01%
2016-01-04	2.98	2.98%
2016-01-05	3.01	3.01%
2016-01-06	2.94	2.94%
2016-01-07	2.92	2.92%
2016-01-08	2.91	2.91%
2016-01-11	2.96	2.96%
2016-01-12	2.89	2.89%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2016-01-13	2.85	2.85%
2016-01-14	2.90	2.90%
2016-01-15	2.81	2.81%
2016-01-18	#N/A	2.81%
2016-01-19	2.82	2.82%
2016-01-20	2.77	2.77%
2016-01-21	2.79	2.79%
2016-01-22	2.83	2.83%
2016-01-25	2.80	2.80%
2016-01-26	2.79	2.79%
2016-01-27	2.80	2.80%
2016-01-28	2.79	2.79%
2016-01-29	2.75	2.75%
2016-02-01	2.77	2.77%
2016-02-02	2.67	2.67%
2016-02-03	2.70	2.70%
2016-02-04	2.70	2.70%
2016-02-05	2.68	2.68%
2016-02-08	2.56	2.56%
2016-02-09	2.55	2.55%
2016-02-10	2.53	2.53%
2016-02-11	2.50	2.50%
2016-02-12	2.60	2.60%
2016-02-15	#N/A	2.60%
2016-02-16	2.64	2.64%
2016-02-17	2.68	2.68%
2016-02-18	2.62	2.62%
2016-02-19	2.61	2.61%
2016-02-22	2.62	2.62%
2016-02-23	2.60	2.60%
2016-02-24	2.61	2.61%
2016-02-25	2.58	2.58%
2016-02-26	2.63	2.63%
2016-02-29	2.61	2.61%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2016-03-01	2.70	2.70%
2016-03-02	2.69	2.69%
2016-03-03	2.65	2.65%
2016-03-04	2.70	2.70%
2016-03-07	2.71	2.71%
2016-03-08	2.63	2.63%
2016-03-09	2.68	2.68%
2016-03-10	2.70	2.70%
2016-03-11	2.75	2.75%
2016-03-14	2.74	2.74%
2016-03-15	2.73	2.73%
2016-03-16	2.73	2.73%
2016-03-17	2.69	2.69%
2016-03-18	2.68	2.68%
2016-03-21	2.72	2.72%
2016-03-22	2.72	2.72%
2016-03-23	2.65	2.65%
2016-03-24	2.67	2.67%
2016-03-25	#N/A	2.67%
2016-03-28	2.66	2.66%
2016-03-29	2.60	2.60%
2016-03-30	2.65	2.65%
2016-03-31	2.61	2.61%
2016-04-01	2.62	2.62%
2016-04-04	2.60	2.60%
2016-04-05	2.54	2.54%
2016-04-06	2.58	2.58%
2016-04-07	2.52	2.52%
2016-04-08	2.55	2.55%
2016-04-11	2.56	2.56%
2016-04-12	2.61	2.61%
2016-04-13	2.58	2.58%
2016-04-14	2.61	2.61%
2016-04-15	2.56	2.56%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2016-04-18	2.58	2.58%
2016-04-19	2.60	2.60%
2016-04-20	2.66	2.66%
2016-04-21	2.69	2.69%
2016-04-22	2.70	2.70%
2016-04-25	2.72	2.72%
2016-04-26	2.76	2.76%
2016-04-27	2.71	2.71%
2016-04-28	2.68	2.68%
2016-04-29	2.66	2.66%
2016-05-02	2.71	2.71%
2016-05-03	2.66	2.66%
2016-05-04	2.64	2.64%
2016-05-05	2.60	2.60%
2016-05-06	2.62	2.62%
2016-05-09	2.61	2.61%
2016-05-10	2.61	2.61%
2016-05-11	2.58	2.58%
2016-05-12	2.60	2.60%
2016-05-13	2.55	2.55%
2016-05-16	2.59	2.59%
2016-05-17	2.59	2.59%
2016-05-18	2.67	2.67%
2016-05-19	2.64	2.64%
2016-05-20	2.63	2.63%
2016-05-23	2.63	2.63%
2016-05-24	2.65	2.65%
2016-05-25	2.67	2.67%
2016-05-26	2.64	2.64%
2016-05-27	2.65	2.65%
2016-05-30	#N/A	2.65%
2016-05-31	2.64	2.64%
2016-06-01	2.63	2.63%
2016-06-02	2.58	2.58%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2016-06-03	2.52	2.52%
2016-06-06	2.55	2.55%
2016-06-07	2.54	2.54%
2016-06-08	2.51	2.51%
2016-06-09	2.48	2.48%
2016-06-10	2.44	2.44%
2016-06-13	2.43	2.43%
2016-06-14	2.43	2.43%
2016-06-15	2.43	2.43%
2016-06-16	2.39	2.39%
2016-06-17	2.43	2.43%
2016-06-20	2.47	2.47%
2016-06-21	2.50	2.50%
2016-06-22	2.50	2.50%
2016-06-23	2.55	2.55%
2016-06-24	2.42	2.42%
2016-06-27	2.28	2.28%
2016-06-28	2.27	2.27%
2016-06-29	2.30	2.30%
2016-06-30	2.30	2.30%
2016-07-01	2.24	2.24%
2016-07-04	#N/A	2.24%
2016-07-05	2.14	2.14%
2016-07-06	2.14	2.14%
2016-07-07	2.14	2.14%
2016-07-08	2.11	2.11%
2016-07-11	2.14	2.14%
2016-07-12	2.24	2.24%
2016-07-13	2.18	2.18%
2016-07-14	2.25	2.25%
2016-07-15	2.30	2.30%
2016-07-18	2.30	2.30%
2016-07-19	2.27	2.27%
2016-07-20	2.30	2.30%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2016-07-21	2.29	2.29%
2016-07-22	2.29	2.29%
2016-07-25	2.29	2.29%
2016-07-26	2.28	2.28%
2016-07-27	2.23	2.23%
2016-07-28	2.23	2.23%
2016-07-29	2.18	2.18%
2016-08-01	2.24	2.24%
2016-08-02	2.29	2.29%
2016-08-03	2.29	2.29%
2016-08-04	2.25	2.25%
2016-08-05	2.32	2.32%
2016-08-08	2.30	2.30%
2016-08-09	2.25	2.25%
2016-08-10	2.23	2.23%
2016-08-11	2.28	2.28%
2016-08-12	2.23	2.23%
2016-08-15	2.27	2.27%
2016-08-16	2.29	2.29%
2016-08-17	2.27	2.27%
2016-08-18	2.26	2.26%
2016-08-19	2.29	2.29%
2016-08-22	2.24	2.24%
2016-08-23	2.24	2.24%
2016-08-24	2.24	2.24%
2016-08-25	2.27	2.27%
2016-08-26	2.29	2.29%
2016-08-29	2.22	2.22%
2016-08-30	2.23	2.23%
2016-08-31	2.23	2.23%
2016-09-01	2.23	2.23%
2016-09-02	2.28	2.28%
2016-09-05	#N/A	2.28%
2016-09-06	2.24	2.24%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2016-09-07	2.23	2.23%
2016-09-08	2.32	2.32%
2016-09-09	2.39	2.39%
2016-09-12	2.40	2.40%
2016-09-13	2.47	2.47%
2016-09-14	2.44	2.44%
2016-09-15	2.48	2.48%
2016-09-16	2.44	2.44%
2016-09-19	2.45	2.45%
2016-09-20	2.43	2.43%
2016-09-21	2.39	2.39%
2016-09-22	2.34	2.34%
2016-09-23	2.34	2.34%
2016-09-26	2.32	2.32%
2016-09-27	2.28	2.28%
2016-09-28	2.29	2.29%
2016-09-29	2.28	2.28%
2016-09-30	2.32	2.32%
2016-10-03	2.34	2.34%
2016-10-04	2.40	2.40%
2016-10-05	2.44	2.44%
2016-10-06	2.46	2.46%
2016-10-07	2.46	2.46%
2016-10-10	#N/A	2.46%
2016-10-11	2.50	2.50%
2016-10-12	2.51	2.51%
2016-10-13	2.48	2.48%
2016-10-14	2.55	2.55%
2016-10-17	2.52	2.52%
2016-10-18	2.51	2.51%
2016-10-19	2.51	2.51%
2016-10-20	2.50	2.50%
2016-10-21	2.48	2.48%
2016-10-24	2.52	2.52%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2016-10-25	2.50	2.50%
2016-10-26	2.53	2.53%
2016-10-27	2.60	2.60%
2016-10-28	2.62	2.62%
2016-10-31	2.58	2.58%
2016-11-01	2.58	2.58%
2016-11-02	2.56	2.56%
2016-11-03	2.60	2.60%
2016-11-04	2.56	2.56%
2016-11-07	2.60	2.60%
2016-11-08	2.63	2.63%
2016-11-09	2.88	2.88%
2016-11-10	2.94	2.94%
2016-11-11	#N/A	2.94%
2016-11-14	2.99	2.99%
2016-11-15	2.97	2.97%
2016-11-16	2.92	2.92%
2016-11-17	3.01	3.01%
2016-11-18	3.01	3.01%
2016-11-21	3.00	3.00%
2016-11-22	3.00	3.00%
2016-11-23	3.02	3.02%
2016-11-24	#N/A	3.02%
2016-11-25	3.01	3.01%
2016-11-28	2.99	2.99%
2016-11-29	2.95	2.95%
2016-11-30	3.02	3.02%
2016-12-01	3.10	3.10%
2016-12-02	3.08	3.08%
2016-12-05	3.05	3.05%
2016-12-06	3.08	3.08%
2016-12-07	3.02	3.02%
2016-12-08	3.10	3.10%
2016-12-09	3.16	3.16%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2016-12-12	3.16	3.16%
2016-12-13	3.14	3.14%
2016-12-14	3.14	3.14%
2016-12-15	3.16	3.16%
2016-12-16	3.19	3.19%
2016-12-19	3.12	3.12%
2016-12-20	3.15	3.15%
2016-12-21	3.12	3.12%
2016-12-22	3.12	3.12%
2016-12-23	3.12	3.12%
2016-12-26	#N/A	3.12%
2016-12-27	3.14	3.14%
2016-12-28	3.09	3.09%
2016-12-29	3.08	3.08%
2016-12-30	3.06	3.06%
2017-01-02	#N/A	3.06%
2017-01-03	3.04	3.04%
2017-01-04	3.05	3.05%
2017-01-05	2.96	2.96%
2017-01-06	3.00	3.00%
2017-01-09	2.97	2.97%
2017-01-10	2.97	2.97%
2017-01-11	2.96	2.96%
2017-01-12	3.01	3.01%
2017-01-13	2.99	2.99%
2017-01-16	#N/A	2.99%
2017-01-17	2.93	2.93%
2017-01-18	3.00	3.00%
2017-01-19	3.04	3.04%
2017-01-20	3.05	3.05%
2017-01-23	2.99	2.99%
2017-01-24	3.05	3.05%
2017-01-25	3.10	3.10%
2017-01-26	3.08	3.08%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2017-01-27	3.06	3.06%
2017-01-30	3.08	3.08%
2017-01-31	3.05	3.05%
2017-02-01	3.08	3.08%
2017-02-02	3.09	3.09%
2017-02-03	3.11	3.11%
2017-02-06	3.05	3.05%
2017-02-07	3.02	3.02%
2017-02-08	2.96	2.96%
2017-02-09	3.02	3.02%
2017-02-10	3.01	3.01%
2017-02-13	3.03	3.03%
2017-02-14	3.07	3.07%
2017-02-15	3.09	3.09%
2017-02-16	3.05	3.05%
2017-02-17	3.03	3.03%
2017-02-20	#N/A	3.03%
2017-02-21	3.04	3.04%
2017-02-22	3.04	3.04%
2017-02-23	3.02	3.02%
2017-02-24	2.95	2.95%
2017-02-27	2.98	2.98%
2017-02-28	2.97	2.97%
2017-03-01	3.06	3.06%
2017-03-02	3.09	3.09%
2017-03-03	3.08	3.08%
2017-03-06	3.10	3.10%
2017-03-07	3.11	3.11%
2017-03-08	3.15	3.15%
2017-03-09	3.19	3.19%
2017-03-10	3.16	3.16%
2017-03-13	3.20	3.20%
2017-03-14	3.17	3.17%
2017-03-15	3.11	3.11%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2017-03-16	3.14	3.14%
2017-03-17	3.11	3.11%
2017-03-20	3.08	3.08%
2017-03-21	3.04	3.04%
2017-03-22	3.02	3.02%
2017-03-23	3.02	3.02%
2017-03-24	3.00	3.00%
2017-03-27	2.98	2.98%
2017-03-28	3.02	3.02%
2017-03-29	2.99	2.99%
2017-03-30	3.03	3.03%
2017-03-31	3.02	3.02%
2017-04-03	2.98	2.98%
2017-04-04	2.99	2.99%
2017-04-05	2.98	2.98%
2017-04-06	2.99	2.99%
2017-04-07	3.00	3.00%
2017-04-10	2.99	2.99%
2017-04-11	2.93	2.93%
2017-04-12	2.92	2.92%
2017-04-13	2.89	2.89%
2017-04-14	#N/A	2.89%
2017-04-17	2.92	2.92%
2017-04-18	2.84	2.84%
2017-04-19	2.87	2.87%
2017-04-20	2.89	2.89%
2017-04-21	2.89	2.89%
2017-04-24	2.93	2.93%
2017-04-25	2.99	2.99%
2017-04-26	2.97	2.97%
2017-04-27	2.96	2.96%
2017-04-28	2.96	2.96%
2017-05-01	3.00	3.00%
2017-05-02	2.97	2.97%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2017-05-03	2.97	2.97%
2017-05-04	3.00	3.00%
2017-05-05	2.99	2.99%
2017-05-08	3.02	3.02%
2017-05-09	3.04	3.04%
2017-05-10	3.03	3.03%
2017-05-11	3.03	3.03%
2017-05-12	2.98	2.98%
2017-05-15	3.00	3.00%
2017-05-16	2.99	2.99%
2017-05-17	2.91	2.91%
2017-05-18	2.90	2.90%
2017-05-19	2.90	2.90%
2017-05-22	2.91	2.91%
2017-05-23	2.95	2.95%
2017-05-24	2.92	2.92%
2017-05-25	2.92	2.92%
2017-05-26	2.92	2.92%
2017-05-29	#N/A	2.92%
2017-05-30	2.88	2.88%
2017-05-31	2.87	2.87%
2017-06-01	2.87	2.87%
2017-06-02	2.80	2.80%
2017-06-05	2.84	2.84%
2017-06-06	2.81	2.81%
2017-06-07	2.84	2.84%
2017-06-08	2.85	2.85%
2017-06-09	2.86	2.86%
2017-06-12	2.86	2.86%
2017-06-13	2.87	2.87%
2017-06-14	2.79	2.79%
2017-06-15	2.78	2.78%
2017-06-16	2.78	2.78%
2017-06-19	2.79	2.79%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2017-06-20	2.74	2.74%
2017-06-21	2.73	2.73%
2017-06-22	2.72	2.72%
2017-06-23	2.71	2.71%
2017-06-26	2.70	2.70%
2017-06-27	2.75	2.75%
2017-06-28	2.77	2.77%
2017-06-29	2.82	2.82%
2017-06-30	2.84	2.84%
2017-07-03	2.86	2.86%
2017-07-04	#N/A	2.86%
2017-07-05	2.85	2.85%
2017-07-06	2.90	2.90%
2017-07-07	2.93	2.93%
2017-07-10	2.93	2.93%
2017-07-11	2.92	2.92%
2017-07-12	2.89	2.89%
2017-07-13	2.92	2.92%
2017-07-14	2.91	2.91%
2017-07-17	2.89	2.89%
2017-07-18	2.85	2.85%
2017-07-19	2.85	2.85%
2017-07-20	2.83	2.83%
2017-07-21	2.81	2.81%
2017-07-24	2.83	2.83%
2017-07-25	2.91	2.91%
2017-07-26	2.89	2.89%
2017-07-27	2.93	2.93%
2017-07-28	2.89	2.89%
2017-07-31	2.89	2.89%
2017-08-01	2.86	2.86%
2017-08-02	2.85	2.85%
2017-08-03	2.81	2.81%
2017-08-04	2.84	2.84%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2017-08-07	2.84	2.84%
2017-08-08	2.86	2.86%
2017-08-09	2.82	2.82%
2017-08-10	2.79	2.79%
2017-08-11	2.79	2.79%
2017-08-14	2.81	2.81%
2017-08-15	2.84	2.84%
2017-08-16	2.81	2.81%
2017-08-17	2.78	2.78%
2017-08-18	2.78	2.78%
2017-08-21	2.77	2.77%
2017-08-22	2.79	2.79%
2017-08-23	2.75	2.75%
2017-08-24	2.77	2.77%
2017-08-25	2.75	2.75%
2017-08-28	2.76	2.76%
2017-08-29	2.74	2.74%
2017-08-30	2.75	2.75%
2017-08-31	2.73	2.73%
2017-09-01	2.77	2.77%
2017-09-04	#N/A	2.77%
2017-09-05	2.69	2.69%
2017-09-06	2.72	2.72%
2017-09-07	2.66	2.66%
2017-09-08	2.67	2.67%
2017-09-11	2.75	2.75%
2017-09-12	2.78	2.78%
2017-09-13	2.79	2.79%
2017-09-14	2.77	2.77%
2017-09-15	2.77	2.77%
2017-09-18	2.80	2.80%
2017-09-19	2.81	2.81%
2017-09-20	2.82	2.82%
2017-09-21	2.80	2.80%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2017-09-22	2.80	2.80%
2017-09-25	2.76	2.76%
2017-09-26	2.78	2.78%
2017-09-27	2.86	2.86%
2017-09-28	2.87	2.87%
2017-09-29	2.86	2.86%
2017-10-02	2.87	2.87%
2017-10-03	2.87	2.87%
2017-10-04	2.87	2.87%
2017-10-05	2.89	2.89%
2017-10-06	2.91	2.91%
2017-10-09	#N/A	2.91%
2017-10-10	2.88	2.88%
2017-10-11	2.88	2.88%
2017-10-12	2.86	2.86%
2017-10-13	2.81	2.81%
2017-10-16	2.82	2.82%
2017-10-17	2.80	2.80%
2017-10-18	2.85	2.85%
2017-10-19	2.83	2.83%
2017-10-20	2.89	2.89%
2017-10-23	2.89	2.89%
2017-10-24	2.92	2.92%
2017-10-25	2.95	2.95%
2017-10-26	2.96	2.96%
2017-10-27	2.93	2.93%
2017-10-30	2.88	2.88%
2017-10-31	2.88	2.88%
2017-11-01	2.85	2.85%
2017-11-02	2.83	2.83%
2017-11-03	2.82	2.82%
2017-11-06	2.80	2.80%
2017-11-07	2.77	2.77%
2017-11-08	2.79	2.79%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2017-11-09	2.81	2.81%
2017-11-10	2.88	2.88%
2017-11-13	2.87	2.87%
2017-11-14	2.84	2.84%
2017-11-15	2.77	2.77%
2017-11-16	2.81	2.81%
2017-11-17	2.78	2.78%
2017-11-20	2.78	2.78%
2017-11-21	2.76	2.76%
2017-11-22	2.75	2.75%
2017-11-23	#N/A	2.75%
2017-11-24	2.76	2.76%
2017-11-27	2.76	2.76%
2017-11-28	2.77	2.77%
2017-11-29	2.81	2.81%
2017-11-30	2.83	2.83%
2017-12-01	2.76	2.76%
2017-12-04	2.77	2.77%
2017-12-05	2.73	2.73%
2017-12-06	2.71	2.71%
2017-12-07	2.76	2.76%
2017-12-08	2.77	2.77%
2017-12-11	2.77	2.77%
2017-12-12	2.79	2.79%
2017-12-13	2.74	2.74%
2017-12-14	2.71	2.71%
2017-12-15	2.68	2.68%
2017-12-18	2.74	2.74%
2017-12-19	2.82	2.82%
2017-12-20	2.88	2.88%
2017-12-21	2.84	2.84%
2017-12-22	2.83	2.83%
2017-12-25	#N/A	2.83%
2017-12-26	2.82	2.82%

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Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2017-12-27	2.75	2.75%
2017-12-28	2.75	2.75%
2017-12-29	2.74	2.74%
2018-01-01	#N/A	2.74%
2018-01-02	2.81	2.81%
2018-01-03	2.78	2.78%
2018-01-04	2.79	2.79%
2018-01-05	2.81	2.81%
2018-01-08	2.81	2.81%
2018-01-09	2.88	2.88%
2018-01-10	2.88	2.88%
2018-01-11	2.91	2.91%
2018-01-12	2.85	2.85%
2018-01-15	#N/A	2.85%
2018-01-16	2.83	2.83%
2018-01-17	2.84	2.84%
2018-01-18	2.90	2.90%
2018-01-19	2.91	2.91%
2018-01-22	2.93	2.93%
2018-01-23	2.90	2.90%
2018-01-24	2.93	2.93%
2018-01-25	2.89	2.89%
2018-01-26	2.91	2.91%
2018-01-29	2.94	2.94%
2018-01-30	2.98	2.98%
2018-01-31	2.95	2.95%
2018-02-01	3.01	3.01%
2018-02-02	3.08	3.08%
2018-02-05	3.04	3.04%
2018-02-06	3.06	3.06%
2018-02-07	3.12	3.12%
2018-02-08	3.14	3.14%
2018-02-09	3.14	3.14%
2018-02-12	3.14	3.14%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2018-02-13	3.11	3.11%
2018-02-14	3.18	3.18%
2018-02-15	3.15	3.15%
2018-02-16	3.13	3.13%
2018-02-19	#N/A	3.13%
2018-02-20	3.15	3.15%
2018-02-21	3.22	3.22%
2018-02-22	3.21	3.21%
2018-02-23	3.16	3.16%
2018-02-26	3.15	3.15%
2018-02-27	3.17	3.17%
2018-02-28	3.13	3.13%
2018-03-01	3.09	3.09%
2018-03-02	3.14	3.14%
2018-03-05	3.16	3.16%
2018-03-06	3.14	3.14%
2018-03-07	3.15	3.15%
2018-03-08	3.13	3.13%
2018-03-09	3.16	3.16%
2018-03-12	3.13	3.13%
2018-03-13	3.10	3.10%
2018-03-14	3.05	3.05%
2018-03-15	3.05	3.05%
2018-03-16	3.08	3.08%
2018-03-19	3.09	3.09%
2018-03-20	3.12	3.12%
2018-03-21	3.12	3.12%
2018-03-22	3.06	3.06%
2018-03-23	3.06	3.06%
2018-03-26	3.08	3.08%
2018-03-27	3.03	3.03%
2018-03-28	3.01	3.01%
2018-03-29	2.97	2.97%
2018-03-30	#N/A	2.97%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2018-04-02	2.97	2.97%
2018-04-03	3.02	3.02%
2018-04-04	3.03	3.03%
2018-04-05	3.07	3.07%
2018-04-06	3.01	3.01%
2018-04-09	3.02	3.02%
2018-04-10	3.02	3.02%
2018-04-11	2.99	2.99%
2018-04-12	3.05	3.05%
2018-04-13	3.03	3.03%
2018-04-16	3.03	3.03%
2018-04-17	3.00	3.00%
2018-04-18	3.06	3.06%
2018-04-19	3.11	3.11%
2018-04-20	3.14	3.14%
2018-04-23	3.15	3.15%
2018-04-24	3.18	3.18%
2018-04-25	3.21	3.21%
2018-04-26	3.18	3.18%
2018-04-27	3.13	3.13%
2018-04-30	3.11	3.11%
2018-05-01	3.13	3.13%
2018-05-02	3.14	3.14%
2018-05-03	3.12	3.12%
2018-05-04	3.12	3.12%
2018-05-07	3.12	3.12%
2018-05-08	3.13	3.13%
2018-05-09	3.16	3.16%
2018-05-10	3.12	3.12%
2018-05-11	3.10	3.10%
2018-05-14	3.13	3.13%
2018-05-15	3.20	3.20%
2018-05-16	3.21	3.21%
2018-05-17	3.25	3.25%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2018-05-18	3.20	3.20%
2018-05-21	3.20	3.20%
2018-05-22	3.21	3.21%
2018-05-23	3.17	3.17%
2018-05-24	3.13	3.13%
2018-05-25	3.09	3.09%
2018-05-28	#N/A	3.09%
2018-05-29	2.96	2.96%
2018-05-30	3.01	3.01%
2018-05-31	3.00	3.00%
2018-06-01	3.04	3.04%
2018-06-04	3.08	3.08%
2018-06-05	3.07	3.07%
2018-06-06	3.13	3.13%
2018-06-07	3.08	3.08%
2018-06-08	3.08	3.08%
2018-06-11	3.10	3.10%
2018-06-12	3.09	3.09%
2018-06-13	3.10	3.10%
2018-06-14	3.05	3.05%
2018-06-15	3.05	3.05%
2018-06-18	3.05	3.05%
2018-06-19	3.02	3.02%
2018-06-20	3.06	3.06%
2018-06-21	3.04	3.04%
2018-06-22	3.04	3.04%
2018-06-25	3.02	3.02%
2018-06-26	3.03	3.03%
2018-06-27	2.97	2.97%
2018-06-28	2.97	2.97%
2018-06-29	2.98	2.98%
2018-07-02	2.99	2.99%
2018-07-03	2.96	2.96%
2018-07-04	#N/A	2.96%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2018-07-05	2.95	2.95%
2018-07-06	2.94	2.94%
2018-07-09	2.96	2.96%
2018-07-10	2.97	2.97%
2018-07-11	2.95	2.95%
2018-07-12	2.95	2.95%
2018-07-13	2.94	2.94%
2018-07-16	2.96	2.96%
2018-07-17	2.97	2.97%
2018-07-18	2.99	2.99%
2018-07-19	2.96	2.96%
2018-07-20	3.03	3.03%
2018-07-23	3.10	3.10%
2018-07-24	3.08	3.08%
2018-07-25	3.06	3.06%
2018-07-26	3.10	3.10%
2018-07-27	3.09	3.09%
2018-07-30	3.11	3.11%
2018-07-31	3.08	3.08%
2018-08-01	3.13	3.13%
2018-08-02	3.12	3.12%
2018-08-03	3.09	3.09%
2018-08-06	3.08	3.08%
2018-08-07	3.12	3.12%
2018-08-08	3.12	3.12%
2018-08-09	3.08	3.08%
2018-08-10	3.03	3.03%
2018-08-13	3.05	3.05%
2018-08-14	3.06	3.06%
2018-08-15	3.03	3.03%
2018-08-16	3.03	3.03%
2018-08-17	3.03	3.03%
2018-08-20	2.99	2.99%
2018-08-21	3.00	3.00%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2018-08-22	2.99	2.99%
2018-08-23	2.97	2.97%
2018-08-24	2.97	2.97%
2018-08-27	3.00	3.00%
2018-08-28	3.03	3.03%
2018-08-29	3.02	3.02%
2018-08-30	3.00	3.00%
2018-08-31	3.02	3.02%
2018-09-03	#N/A	3.02%
2018-09-04	3.07	3.07%
2018-09-05	3.08	3.08%
2018-09-06	3.06	3.06%
2018-09-07	3.11	3.11%
2018-09-10	3.09	3.09%
2018-09-11	3.13	3.13%
2018-09-12	3.11	3.11%
2018-09-13	3.11	3.11%
2018-09-14	3.13	3.13%
2018-09-17	3.13	3.13%
2018-09-18	3.20	3.20%
2018-09-19	3.23	3.23%
2018-09-20	3.21	3.21%
2018-09-21	3.20	3.20%
2018-09-24	3.21	3.21%
2018-09-25	3.23	3.23%
2018-09-26	3.19	3.19%
2018-09-27	3.19	3.19%
2018-09-28	3.19	3.19%
2018-10-01	3.24	3.24%
2018-10-02	3.20	3.20%
2018-10-03	3.30	3.30%
2018-10-04	3.35	3.35%
2018-10-05	3.40	3.40%
2018-10-08	#N/A	3.40%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2018-10-09	3.37	3.37%
2018-10-10	3.39	3.39%
2018-10-11	3.32	3.32%
2018-10-12	3.32	3.32%
2018-10-15	3.34	3.34%
2018-10-16	3.32	3.32%
2018-10-17	3.35	3.35%
2018-10-18	3.36	3.36%
2018-10-19	3.38	3.38%
2018-10-22	3.38	3.38%
2018-10-23	3.37	3.37%
2018-10-24	3.33	3.33%
2018-10-25	3.35	3.35%
2018-10-26	3.32	3.32%
2018-10-29	3.33	3.33%
2018-10-30	3.36	3.36%
2018-10-31	3.39	3.39%
2018-11-01	3.38	3.38%
2018-11-02	3.46	3.46%
2018-11-05	3.43	3.43%
2018-11-06	3.43	3.43%
2018-11-07	3.43	3.43%
2018-11-08	3.43	3.43%
2018-11-09	3.40	3.40%
2018-11-12	#N/A	3.40%
2018-11-13	3.36	3.36%
2018-11-14	3.35	3.35%
2018-11-15	3.36	3.36%
2018-11-16	3.33	3.33%
2018-11-19	3.32	3.32%
2018-11-20	3.31	3.31%
2018-11-21	3.31	3.31%
2018-11-22	#N/A	3.31%
2018-11-23	3.31	3.31%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2018-11-26	3.32	3.32%
2018-11-27	3.32	3.32%
2018-11-28	3.34	3.34%
2018-11-29	3.33	3.33%
2018-11-30	3.30	3.30%
2018-12-03	3.27	3.27%
2018-12-04	3.16	3.16%
2018-12-05	#N/A	3.16%
2018-12-06	3.14	3.14%
2018-12-07	3.14	3.14%
2018-12-10	3.13	3.13%
2018-12-11	3.13	3.13%
2018-12-12	3.15	3.15%
2018-12-13	3.16	3.16%
2018-12-14	3.14	3.14%
2018-12-17	3.11	3.11%
2018-12-18	3.07	3.07%
2018-12-19	3.00	3.00%
2018-12-20	3.02	3.02%
2018-12-21	3.03	3.03%
2018-12-24	3.00	3.00%
2018-12-25	#N/A	3.00%
2018-12-26	3.06	3.06%
2018-12-27	3.05	3.05%
2018-12-28	3.04	3.04%
2018-12-31	3.02	3.02%
2019-01-01	#N/A	3.02%
2019-01-02	2.97	2.97%
2019-01-03	2.92	2.92%
2019-01-04	2.98	2.98%
2019-01-07	2.99	2.99%
2019-01-08	3.00	3.00%
2019-01-09	3.03	3.03%
2019-01-10	3.06	3.06%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2019-01-11	3.04	3.04%
2019-01-14	3.06	3.06%
2019-01-15	3.08	3.08%
2019-01-16	3.07	3.07%
2019-01-17	3.07	3.07%
2019-01-18	3.09	3.09%
2019-01-21	#N/A	3.09%
2019-01-22	3.06	3.06%
2019-01-23	3.07	3.07%
2019-01-24	3.04	3.04%
2019-01-25	3.06	3.06%
2019-01-28	3.06	3.06%
2019-01-29	3.04	3.04%
2019-01-30	3.06	3.06%
2019-01-31	2.99	2.99%
2019-02-01	3.03	3.03%
2019-02-04	3.06	3.06%
2019-02-05	3.03	3.03%
2019-02-06	3.03	3.03%
2019-02-07	3.00	3.00%
2019-02-08	2.97	2.97%
2019-02-11	3.00	3.00%
2019-02-12	3.02	3.02%
2019-02-13	3.04	3.04%
2019-02-14	3.01	3.01%
2019-02-15	3.00	3.00%
2019-02-18	#N/A	3.00%
2019-02-19	2.99	2.99%
2019-02-20	3.00	3.00%
2019-02-21	3.05	3.05%
2019-02-22	3.02	3.02%
2019-02-25	3.03	3.03%
2019-02-26	3.01	3.01%
2019-02-27	3.07	3.07%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2019-02-28	3.09	3.09%
2019-03-01	3.13	3.13%
2019-03-04	3.09	3.09%
2019-03-05	3.08	3.08%
2019-03-06	3.06	3.06%
2019-03-07	3.03	3.03%
2019-03-08	3.00	3.00%
2019-03-11	3.03	3.03%
2019-03-12	3.00	3.00%
2019-03-13	3.02	3.02%
2019-03-14	3.04	3.04%
2019-03-15	3.02	3.02%
2019-03-18	3.01	3.01%
2019-03-19	3.02	3.02%
2019-03-20	2.98	2.98%
2019-03-21	2.96	2.96%
2019-03-22	2.88	2.88%
2019-03-25	2.87	2.87%
2019-03-26	2.86	2.86%
2019-03-27	2.83	2.83%
2019-03-28	2.81	2.81%
2019-03-29	2.81	2.81%
2019-04-01	2.89	2.89%
2019-04-02	2.88	2.88%
2019-04-03	2.93	2.93%
2019-04-04	2.92	2.92%
2019-04-05	2.91	2.91%
2019-04-08	2.93	2.93%
2019-04-09	2.92	2.92%
2019-04-10	2.90	2.90%
2019-04-11	2.94	2.94%
2019-04-12	2.97	2.97%
2019-04-15	2.96	2.96%
2019-04-16	2.99	2.99%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2019-04-17	2.99	2.99%
2019-04-18	2.96	2.96%
2019-04-19	#N/A	2.96%
2019-04-22	2.99	2.99%
2019-04-23	2.98	2.98%
2019-04-24	2.94	2.94%
2019-04-25	2.94	2.94%
2019-04-26	2.92	2.92%
2019-04-29	2.96	2.96%
2019-04-30	2.93	2.93%
2019-05-01	2.92	2.92%
2019-05-02	2.94	2.94%
2019-05-03	2.93	2.93%
2019-05-06	2.91	2.91%
2019-05-07	2.86	2.86%
2019-05-08	2.89	2.89%
2019-05-09	2.87	2.87%
2019-05-10	2.89	2.89%
2019-05-13	2.83	2.83%
2019-05-14	2.86	2.86%
2019-05-15	2.82	2.82%
2019-05-16	2.84	2.84%
2019-05-17	2.82	2.82%
2019-05-20	2.83	2.83%
2019-05-21	2.84	2.84%
2019-05-22	2.82	2.82%
2019-05-23	2.75	2.75%
2019-05-24	2.75	2.75%
2019-05-27	#N/A	2.75%
2019-05-28	2.70	2.70%
2019-05-29	2.69	2.69%
2019-05-30	2.65	2.65%
2019-05-31	2.58	2.58%
2019-06-03	2.53	2.53%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30		
2019-06-04		2.60	2.60%
2019-06-05		2.63	2.63%
2019-06-06		2.62	2.62%
2019-06-07		2.57	2.57%
2019-06-10		2.62	2.62%
2019-06-11		2.62	2.62%
2019-06-12		2.62	2.62%
2019-06-13		2.61	2.61%
2019-06-14		2.59	2.59%
2019-06-17		2.58	2.58%
2019-06-18		2.55	2.55%
2019-06-19		2.54	2.54%
2019-06-20		2.53	2.53%
2019-06-21		2.59	2.59%
2019-06-24		2.55	2.55%
2019-06-25		2.53	2.53%
2019-06-26		2.57	2.57%
2019-06-27		2.52	2.52%
2019-06-28		2.52	2.52%
2019-07-01		2.55	2.55%
2019-07-02		2.51	2.51%
2019-07-03		2.47	2.47%
2019-07-04		#N/A	2.47%
2019-07-05		2.54	2.54%
2019-07-08		2.53	2.53%
2019-07-09		2.54	2.54%
2019-07-10		2.57	2.57%
2019-07-11		2.65	2.65%
2019-07-12		2.64	2.64%
2019-07-15		2.61	2.61%
2019-07-16		2.63	2.63%
2019-07-17		2.57	2.57%
2019-07-18		2.56	2.56%
2019-07-19		2.57	2.57%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2019-07-22	2.58	2.58%
2019-07-23	2.61	2.61%
2019-07-24	2.58	2.58%
2019-07-25	2.60	2.60%
2019-07-26	2.59	2.59%
2019-07-29	2.59	2.59%
2019-07-30	2.58	2.58%
2019-07-31	2.53	2.53%
2019-08-01	2.44	2.44%
2019-08-02	2.39	2.39%
2019-08-05	2.30	2.30%
2019-08-06	2.25	2.25%
2019-08-07	2.22	2.22%
2019-08-08	2.25	2.25%
2019-08-09	2.26	2.26%
2019-08-12	2.14	2.14%
2019-08-13	2.15	2.15%
2019-08-14	2.03	2.03%
2019-08-15	1.98	1.98%
2019-08-16	2.01	2.01%
2019-08-19	2.08	2.08%
2019-08-20	2.04	2.04%
2019-08-21	2.07	2.07%
2019-08-22	2.11	2.11%
2019-08-23	2.02	2.02%
2019-08-26	2.04	2.04%
2019-08-27	1.97	1.97%
2019-08-28	1.94	1.94%
2019-08-29	1.97	1.97%
2019-08-30	1.96	1.96%
2019-09-02	#N/A	1.96%
2019-09-03	1.95	1.95%
2019-09-04	1.97	1.97%
2019-09-05	2.06	2.06%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2019-09-06	2.02	2.02%
2019-09-09	2.11	2.11%
2019-09-10	2.19	2.19%
2019-09-11	2.22	2.22%
2019-09-12	2.22	2.22%
2019-09-13	2.37	2.37%
2019-09-16	2.31	2.31%
2019-09-17	2.27	2.27%
2019-09-18	2.25	2.25%
2019-09-19	2.22	2.22%
2019-09-20	2.17	2.17%
2019-09-23	2.16	2.16%
2019-09-24	2.09	2.09%
2019-09-25	2.18	2.18%
2019-09-26	2.15	2.15%
2019-09-27	2.13	2.13%
2019-09-30	2.12	2.12%
2019-10-01	2.11	2.11%
2019-10-02	2.09	2.09%
2019-10-03	2.04	2.04%
2019-10-04	2.01	2.01%
2019-10-07	2.05	2.05%
2019-10-08	2.04	2.04%
2019-10-09	2.08	2.08%
2019-10-10	2.16	2.16%
2019-10-11	2.22	2.22%
2019-10-14	#N/A	2.22%
2019-10-15	2.23	2.23%
2019-10-16	2.23	2.23%
2019-10-17	2.24	2.24%
2019-10-18	2.25	2.25%
2019-10-21	2.28	2.28%
2019-10-22	2.26	2.26%
2019-10-23	2.25	2.25%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2019-10-24	2.26	2.26%
2019-10-25	2.29	2.29%
2019-10-28	2.34	2.34%
2019-10-29	2.33	2.33%
2019-10-30	2.26	2.26%
2019-10-31	2.17	2.17%
2019-11-01	2.21	2.21%
2019-11-04	2.27	2.27%
2019-11-05	2.34	2.34%
2019-11-06	2.30	2.30%
2019-11-07	2.40	2.40%
2019-11-08	2.43	2.43%
2019-11-11	#N/A	2.43%
2019-11-12	2.39	2.39%
2019-11-13	2.36	2.36%
2019-11-14	2.31	2.31%
2019-11-15	2.31	2.31%
2019-11-18	2.30	2.30%
2019-11-19	2.26	2.26%
2019-11-20	2.20	2.20%
2019-11-21	2.24	2.24%
2019-11-22	2.22	2.22%
2019-11-25	2.21	2.21%
2019-11-26	2.18	2.18%
2019-11-27	2.19	2.19%
2019-11-28	#N/A	2.19%
2019-11-29	2.21	2.21%
2019-12-02	2.28	2.28%
2019-12-03	2.17	2.17%
2019-12-04	2.22	2.22%
2019-12-05	2.24	2.24%
2019-12-06	2.29	2.29%
2019-12-09	2.27	2.27%
2019-12-10	2.26	2.26%

FRED Graph Observations
Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2019-12-11	2.23	2.23%
2019-12-12	2.32	2.32%
2019-12-13	2.26	2.26%
2019-12-16	2.30	2.30%
2019-12-17	2.31	2.31%
2019-12-18	2.35	2.35%
2019-12-19	2.35	2.35%
2019-12-20	2.34	2.34%
2019-12-23	2.35	2.35%
2019-12-24	2.33	2.33%
2019-12-25	#N/A	2.33%
2019-12-26	2.33	2.33%
2019-12-27	2.32	2.32%
2019-12-30	2.34	2.34%
2019-12-31	2.39	2.39%
2020-01-01	#N/A	2.39%
2020-01-02	2.33	2.33%
2020-01-03	2.26	2.26%
2020-01-06	2.28	2.28%
2020-01-07	2.31	2.31%
2020-01-08	2.35	2.35%
2020-01-09	2.38	2.38%
2020-01-10	2.28	2.28%
2020-01-13	2.30	2.30%
2020-01-14	2.27	2.27%
2020-01-15	2.23	2.23%
2020-01-16	2.26	2.26%
2020-01-17	2.29	2.29%
2020-01-20	#N/A	2.29%
2020-01-21	2.23	2.23%
2020-01-22	2.22	2.22%
2020-01-23	2.18	2.18%
2020-01-24	2.14	2.14%
2020-01-27	2.05	2.05%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2020-01-28	2.10	2.10%
2020-01-29	2.05	2.05%
2020-01-30	2.04	2.04%
2020-01-31	1.99	1.99%
2020-02-03	2.01	2.01%
2020-02-04	2.08	2.08%
2020-02-05	2.14	2.14%
2020-02-06	2.11	2.11%
2020-02-07	2.05	2.05%
2020-02-10	2.03	2.03%
2020-02-11	2.05	2.05%
2020-02-12	2.09	2.09%
2020-02-13	2.07	2.07%
2020-02-14	2.04	2.04%
2020-02-17	#N/A	2.04%
2020-02-18	2.00	2.00%
2020-02-19	2.01	2.01%
2020-02-20	1.97	1.97%
2020-02-21	1.90	1.90%
2020-02-24	1.84	1.84%
2020-02-25	1.80	1.80%
2020-02-26	1.81	1.81%
2020-02-27	1.79	1.79%
2020-02-28	1.65	1.65%
2020-03-02	1.66	1.66%
2020-03-03	1.64	1.64%
2020-03-04	1.67	1.67%
2020-03-05	1.56	1.56%
2020-03-06	1.25	1.25%
2020-03-09	0.99	0.99%
2020-03-10	1.28	1.28%
2020-03-11	1.30	1.30%
2020-03-12	1.49	1.49%
2020-03-13	1.56	1.56%

FRED Graph Observations
Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2020-03-16	1.34	1.34%
2020-03-17	1.63	1.63%
2020-03-18	1.77	1.77%
2020-03-19	1.78	1.78%
2020-03-20	1.55	1.55%
2020-03-23	1.33	1.33%
2020-03-24	1.39	1.39%
2020-03-25	1.45	1.45%
2020-03-26	1.42	1.42%
2020-03-27	1.29	1.29%
2020-03-30	1.31	1.31%
2020-03-31	1.35	1.35%
2020-04-01	1.27	1.27%
2020-04-02	1.26	1.26%
2020-04-03	1.24	1.24%
2020-04-06	1.27	1.27%
2020-04-07	1.32	1.32%
2020-04-08	1.37	1.37%
2020-04-09	1.35	1.35%
2020-04-10	#N/A	1.35%
2020-04-13	1.39	1.39%
2020-04-14	1.41	1.41%
2020-04-15	1.27	1.27%
2020-04-16	1.21	1.21%
2020-04-17	1.27	1.27%
2020-04-20	1.23	1.23%
2020-04-21	1.17	1.17%
2020-04-22	1.22	1.22%
2020-04-23	1.18	1.18%
2020-04-24	1.17	1.17%
2020-04-27	1.25	1.25%
2020-04-28	1.20	1.20%
2020-04-29	1.24	1.24%
2020-04-30	1.28	1.28%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2020-05-01	1.27	1.27%
2020-05-04	1.29	1.29%
2020-05-05	1.32	1.32%
2020-05-06	1.41	1.41%
2020-05-07	1.31	1.31%
2020-05-08	1.39	1.39%
2020-05-11	1.43	1.43%
2020-05-12	1.38	1.38%
2020-05-13	1.35	1.35%
2020-05-14	1.30	1.30%
2020-05-15	1.32	1.32%
2020-05-18	1.44	1.44%
2020-05-19	1.43	1.43%
2020-05-20	1.40	1.40%
2020-05-21	1.40	1.40%
2020-05-22	1.37	1.37%
2020-05-25	#N/A	1.37%
2020-05-26	1.43	1.43%
2020-05-27	1.44	1.44%
2020-05-28	1.47	1.47%
2020-05-29	1.41	1.41%
2020-06-01	1.46	1.46%
2020-06-02	1.48	1.48%
2020-06-03	1.56	1.56%
2020-06-04	1.61	1.61%
2020-06-05	1.68	1.68%
2020-06-08	1.65	1.65%
2020-06-09	1.59	1.59%
2020-06-10	1.53	1.53%
2020-06-11	1.41	1.41%
2020-06-12	1.45	1.45%
2020-06-15	1.45	1.45%
2020-06-16	1.54	1.54%
2020-06-17	1.52	1.52%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2020-06-18	1.47	1.47%
2020-06-19	1.47	1.47%
2020-06-22	1.46	1.46%
2020-06-23	1.49	1.49%
2020-06-24	1.44	1.44%
2020-06-25	1.43	1.43%
2020-06-26	1.37	1.37%
2020-06-29	1.39	1.39%
2020-06-30	1.41	1.41%
2020-07-01	1.43	1.43%
2020-07-02	1.43	1.43%
2020-07-03	#N/A	1.43%
2020-07-06	1.45	1.45%
2020-07-07	1.38	1.38%
2020-07-08	1.39	1.39%
2020-07-09	1.32	1.32%
2020-07-10	1.33	1.33%
2020-07-13	1.33	1.33%
2020-07-14	1.30	1.30%
2020-07-15	1.33	1.33%
2020-07-16	1.31	1.31%
2020-07-17	1.33	1.33%
2020-07-20	1.32	1.32%
2020-07-21	1.31	1.31%
2020-07-22	1.29	1.29%
2020-07-23	1.24	1.24%
2020-07-24	1.23	1.23%
2020-07-27	1.25	1.25%
2020-07-28	1.22	1.22%
2020-07-29	1.24	1.24%
2020-07-30	1.20	1.20%
2020-07-31	1.20	1.20%
2020-08-03	1.23	1.23%
2020-08-04	1.19	1.19%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2020-08-05	1.22	1.22%
2020-08-06	1.20	1.20%
2020-08-07	1.23	1.23%
2020-08-10	1.25	1.25%
2020-08-11	1.32	1.32%
2020-08-12	1.37	1.37%
2020-08-13	1.42	1.42%
2020-08-14	1.45	1.45%
2020-08-17	1.43	1.43%
2020-08-18	1.40	1.40%
2020-08-19	1.42	1.42%
2020-08-20	1.38	1.38%
2020-08-21	1.35	1.35%
2020-08-24	1.35	1.35%
2020-08-25	1.39	1.39%
2020-08-26	1.41	1.41%
2020-08-27	1.50	1.50%
2020-08-28	1.52	1.52%
2020-08-31	1.49	1.49%
2020-09-01	1.43	1.43%
2020-09-02	1.38	1.38%
2020-09-03	1.34	1.34%
2020-09-04	1.46	1.46%
2020-09-07	#N/A	1.46%
2020-09-08	1.43	1.43%
2020-09-09	1.45	1.45%
2020-09-10	1.43	1.43%
2020-09-11	1.42	1.42%
2020-09-14	1.42	1.42%
2020-09-15	1.43	1.43%
2020-09-16	1.45	1.45%
2020-09-17	1.43	1.43%
2020-09-18	1.45	1.45%
2020-09-21	1.43	1.43%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2020-09-22	1.42	1.42%
2020-09-23	1.42	1.42%
2020-09-24	1.40	1.40%
2020-09-25	1.40	1.40%
2020-09-28	1.42	1.42%
2020-09-29	1.41	1.41%
2020-09-30	1.46	1.46%
2020-10-01	1.45	1.45%
2020-10-02	1.48	1.48%
2020-10-05	1.57	1.57%
2020-10-06	1.56	1.56%
2020-10-07	1.60	1.60%
2020-10-08	1.57	1.57%
2020-10-09	1.58	1.58%
2020-10-12	#N/A	1.58%
2020-10-13	1.52	1.52%
2020-10-14	1.50	1.50%
2020-10-15	1.52	1.52%
2020-10-16	1.52	1.52%
2020-10-19	1.55	1.55%
2020-10-20	1.60	1.60%
2020-10-21	1.62	1.62%
2020-10-22	1.67	1.67%
2020-10-23	1.64	1.64%
2020-10-26	1.59	1.59%
2020-10-27	1.57	1.57%
2020-10-28	1.56	1.56%
2020-10-29	1.62	1.62%
2020-10-30	1.65	1.65%
2020-11-02	1.63	1.63%
2020-11-03	1.66	1.66%
2020-11-04	1.55	1.55%
2020-11-05	1.54	1.54%
2020-11-06	1.60	1.60%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2020-11-09	1.73	1.73%
2020-11-10	1.75	1.75%
2020-11-11	#N/A	1.75%
2020-11-12	1.64	1.64%
2020-11-13	1.65	1.65%
2020-11-16	1.66	1.66%
2020-11-17	1.62	1.62%
2020-11-18	1.62	1.62%
2020-11-19	1.58	1.58%
2020-11-20	1.53	1.53%
2020-11-23	1.56	1.56%
2020-11-24	1.60	1.60%
2020-11-25	1.62	1.62%
2020-11-26	#N/A	1.62%
2020-11-27	1.57	1.57%
2020-11-30	1.58	1.58%
2020-12-01	1.66	1.66%
2020-12-02	1.70	1.70%
2020-12-03	1.67	1.67%
2020-12-04	1.73	1.73%
2020-12-07	1.69	1.69%
2020-12-08	1.67	1.67%
2020-12-09	1.69	1.69%
2020-12-10	1.65	1.65%
2020-12-11	1.63	1.63%
2020-12-14	1.63	1.63%
2020-12-15	1.65	1.65%
2020-12-16	1.66	1.66%
2020-12-17	1.68	1.68%
2020-12-18	1.70	1.70%
2020-12-21	1.68	1.68%
2020-12-22	1.65	1.65%
2020-12-23	1.70	1.70%
2020-12-24	1.66	1.66%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2020-12-25	#N/A	1.66%
2020-12-28	1.67	1.67%
2020-12-29	1.67	1.67%
2020-12-30	1.66	1.66%
2020-12-31	1.65	1.65%
2021-01-01	#N/A	1.65%
2021-01-04	1.66	1.66%
2021-01-05	1.70	1.70%
2021-01-06	1.81	1.81%
2021-01-07	1.85	1.85%
2021-01-08	1.87	1.87%
2021-01-11	1.88	1.88%
2021-01-12	1.88	1.88%
2021-01-13	1.82	1.82%
2021-01-14	1.88	1.88%
2021-01-15	1.85	1.85%
2021-01-18	#N/A	1.85%
2021-01-19	1.84	1.84%
2021-01-20	1.84	1.84%
2021-01-21	1.87	1.87%
2021-01-22	1.85	1.85%
2021-01-25	1.80	1.80%
2021-01-26	1.80	1.80%
2021-01-27	1.79	1.79%
2021-01-28	1.81	1.81%
2021-01-29	1.87	1.87%
2021-02-01	1.84	1.84%
2021-02-02	1.87	1.87%
2021-02-03	1.92	1.92%
2021-02-04	1.93	1.93%
2021-02-05	1.97	1.97%
2021-02-08	1.96	1.96%
2021-02-09	1.95	1.95%
2021-02-10	1.92	1.92%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
Help: https://fredhelp.stlouisfed.org
Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2021-02-11	1.94	1.94%
2021-02-12	2.01	2.01%
2021-02-15	#N/A	2.01%
2021-02-16	2.08	2.08%
2021-02-17	2.06	2.06%
2021-02-18	2.08	2.08%
2021-02-19	2.14	2.14%
2021-02-22	2.19	2.19%
2021-02-23	2.21	2.21%
2021-02-24	2.24	2.24%
2021-02-25	2.33	2.33%
2021-02-26	2.17	2.17%
2021-03-01	2.23	2.23%
2021-03-02	2.21	2.21%
2021-03-03	2.25	2.25%
2021-03-04	2.30	2.30%
2021-03-05	2.28	2.28%
2021-03-08	2.31	2.31%
2021-03-09	2.26	2.26%
2021-03-10	2.24	2.24%
2021-03-11	2.29	2.29%
2021-03-12	2.40	2.40%
2021-03-15	2.37	2.37%
2021-03-16	2.38	2.38%
2021-03-17	2.42	2.42%
2021-03-18	2.45	2.45%
2021-03-19	2.45	2.45%
2021-03-22	2.38	2.38%
2021-03-23	2.34	2.34%
2021-03-24	2.31	2.31%
2021-03-25	2.34	2.34%
2021-03-26	2.37	2.37%
2021-03-29	2.43	2.43%
2021-03-30	2.38	2.38%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2021-03-31	2.41	2.41%
2021-04-01	2.34	2.34%
2021-04-02	2.35	2.35%
2021-04-05	2.36	2.36%
2021-04-06	2.32	2.32%
2021-04-07	2.35	2.35%
2021-04-08	2.32	2.32%
2021-04-09	2.34	2.34%
2021-04-12	2.34	2.34%
2021-04-13	2.32	2.32%
2021-04-14	2.32	2.32%
2021-04-15	2.23	2.23%
2021-04-16	2.26	2.26%
2021-04-19	2.29	2.29%
2021-04-20	2.27	2.27%
2021-04-21	2.26	2.26%
2021-04-22	2.24	2.24%
2021-04-23	2.25	2.25%
2021-04-26	2.24	2.24%
2021-04-27	2.29	2.29%
2021-04-28	2.29	2.29%
2021-04-29	2.31	2.31%
2021-04-30	2.30	2.30%
2021-05-03	2.30	2.30%
2021-05-04	2.27	2.27%
2021-05-05	2.25	2.25%
2021-05-06	2.24	2.24%
2021-05-07	2.28	2.28%
2021-05-10	2.32	2.32%
2021-05-11	2.35	2.35%
2021-05-12	2.40	2.40%
2021-05-13	2.39	2.39%
2021-05-14	2.35	2.35%
2021-05-17	2.36	2.36%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2021-05-18	2.37	2.37%
2021-05-19	2.38	2.38%
2021-05-20	2.34	2.34%
2021-05-21	2.33	2.33%
2021-05-24	2.31	2.31%
2021-05-25	2.26	2.26%
2021-05-26	2.27	2.27%
2021-05-27	2.29	2.29%
2021-05-28	2.26	2.26%
2021-05-31	#N/A	2.26%
2021-06-01	2.30	2.30%
2021-06-02	2.28	2.28%
2021-06-03	2.30	2.30%
2021-06-04	2.24	2.24%
2021-06-07	2.25	2.25%
2021-06-08	2.21	2.21%
2021-06-09	2.17	2.17%
2021-06-10	2.15	2.15%
2021-06-11	2.15	2.15%
2021-06-14	2.19	2.19%
2021-06-15	2.20	2.20%
2021-06-16	2.20	2.20%
2021-06-17	2.11	2.11%
2021-06-18	2.01	2.01%
2021-06-21	2.11	2.11%
2021-06-22	2.10	2.10%
2021-06-23	2.11	2.11%
2021-06-24	2.10	2.10%
2021-06-25	2.16	2.16%
2021-06-28	2.10	2.10%
2021-06-29	2.10	2.10%
2021-06-30	2.06	2.06%
2021-07-01	2.07	2.07%
2021-07-02	2.05	2.05%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2021-07-05	#N/A	2.05%
2021-07-06	2.00	2.00%
2021-07-07	1.94	1.94%
2021-07-08	1.91	1.91%
2021-07-09	1.99	1.99%
2021-07-12	2.00	2.00%
2021-07-13	2.04	2.04%
2021-07-14	1.98	1.98%
2021-07-15	1.92	1.92%
2021-07-16	1.93	1.93%
2021-07-19	1.81	1.81%
2021-07-20	1.88	1.88%
2021-07-21	1.94	1.94%
2021-07-22	1.90	1.90%
2021-07-23	1.92	1.92%
2021-07-26	1.93	1.93%
2021-07-27	1.89	1.89%
2021-07-28	1.90	1.90%
2021-07-29	1.91	1.91%
2021-07-30	1.89	1.89%
2021-08-02	1.86	1.86%
2021-08-03	1.85	1.85%
2021-08-04	1.83	1.83%
2021-08-05	1.86	1.86%
2021-08-06	1.94	1.94%
2021-08-09	1.96	1.96%
2021-08-10	1.99	1.99%
2021-08-11	1.99	1.99%
2021-08-12	2.03	2.03%
2021-08-13	1.94	1.94%
2021-08-16	1.92	1.92%
2021-08-17	1.92	1.92%
2021-08-18	1.91	1.91%
2021-08-19	1.88	1.88%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2021-08-20	1.87	1.87%
2021-08-23	1.87	1.87%
2021-08-24	1.91	1.91%
2021-08-25	1.96	1.96%
2021-08-26	1.94	1.94%
2021-08-27	1.91	1.91%
2021-08-30	1.90	1.90%
2021-08-31	1.92	1.92%
2021-09-01	1.92	1.92%
2021-09-02	1.90	1.90%
2021-09-03	1.94	1.94%
2021-09-06	#N/A	1.94%
2021-09-07	1.99	1.99%
2021-09-08	1.95	1.95%
2021-09-09	1.90	1.90%
2021-09-10	1.94	1.94%
2021-09-13	1.91	1.91%
2021-09-14	1.85	1.85%
2021-09-15	1.87	1.87%
2021-09-16	1.88	1.88%
2021-09-17	1.91	1.91%
2021-09-20	1.85	1.85%
2021-09-21	1.86	1.86%
2021-09-22	1.84	1.84%
2021-09-23	1.92	1.92%
2021-09-24	1.99	1.99%
2021-09-27	1.99	1.99%
2021-09-28	2.07	2.07%
2021-09-29	2.09	2.09%
2021-09-30	2.08	2.08%
2021-10-01	2.04	2.04%
2021-10-04	2.05	2.05%
2021-10-05	2.10	2.10%
2021-10-06	2.08	2.08%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2021-10-07	2.13	2.13%
2021-10-08	2.16	2.16%
2021-10-11	#N/A	2.16%
2021-10-12	2.10	2.10%
2021-10-13	2.05	2.05%
2021-10-14	2.02	2.02%
2021-10-15	2.05	2.05%
2021-10-18	2.01	2.01%
2021-10-19	2.09	2.09%
2021-10-20	2.12	2.12%
2021-10-21	2.13	2.13%
2021-10-22	2.08	2.08%
2021-10-25	2.09	2.09%
2021-10-26	2.05	2.05%
2021-10-27	1.95	1.95%
2021-10-28	1.96	1.96%
2021-10-29	1.93	1.93%
2021-11-01	1.98	1.98%
2021-11-02	1.96	1.96%
2021-11-03	2.00	2.00%
2021-11-04	1.96	1.96%
2021-11-05	1.87	1.87%
2021-11-08	1.89	1.89%
2021-11-09	1.83	1.83%
2021-11-10	1.92	1.92%
2021-11-11	#N/A	1.92%
2021-11-12	1.95	1.95%
2021-11-15	2.01	2.01%
2021-11-16	2.02	2.02%
2021-11-17	2.00	2.00%
2021-11-18	1.97	1.97%
2021-11-19	1.91	1.91%
2021-11-22	1.98	1.98%
2021-11-23	2.02	2.02%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2021-11-24	1.96	1.96%
2021-11-25	#N/A	1.96%
2021-11-26	1.83	1.83%
2021-11-29	1.87	1.87%
2021-11-30	1.78	1.78%
2021-12-01	1.77	1.77%
2021-12-02	1.76	1.76%
2021-12-03	1.69	1.69%
2021-12-06	1.75	1.75%
2021-12-07	1.80	1.80%
2021-12-08	1.87	1.87%
2021-12-09	1.87	1.87%
2021-12-10	1.88	1.88%
2021-12-13	1.81	1.81%
2021-12-14	1.82	1.82%
2021-12-15	1.86	1.86%
2021-12-16	1.87	1.87%
2021-12-17	1.82	1.82%
2021-12-20	1.85	1.85%
2021-12-21	1.89	1.89%
2021-12-22	1.86	1.86%
2021-12-23	1.91	1.91%
2021-12-24	#N/A	1.91%
2021-12-27	1.88	1.88%
2021-12-28	1.90	1.90%
2021-12-29	1.96	1.96%
2021-12-30	1.93	1.93%
2021-12-31	1.90	1.90%
2022-01-03	2.01	2.01%
2022-01-04	2.07	2.07%
2022-01-05	2.09	2.09%
2022-01-06	2.09	2.09%
2022-01-07	2.11	2.11%
2022-01-10	2.11	2.11%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2022-01-11	2.08	2.08%
2022-01-12	2.08	2.08%
2022-01-13	2.05	2.05%
2022-01-14	2.12	2.12%
2022-01-17	#N/A	2.12%
2022-01-18	2.18	2.18%
2022-01-19	2.14	2.14%
2022-01-20	2.14	2.14%
2022-01-21	2.07	2.07%
2022-01-24	2.10	2.10%
2022-01-25	2.12	2.12%
2022-01-26	2.16	2.16%
2022-01-27	2.09	2.09%
2022-01-28	2.07	2.07%
2022-01-31	2.11	2.11%
2022-02-01	2.12	2.12%
2022-02-02	2.11	2.11%
2022-02-03	2.14	2.14%
2022-02-04	2.23	2.23%
2022-02-07	2.22	2.22%
2022-02-08	2.25	2.25%
2022-02-09	2.25	2.25%
2022-02-10	2.30	2.30%
2022-02-11	2.24	2.24%
2022-02-14	2.29	2.29%
2022-02-15	2.37	2.37%
2022-02-16	2.34	2.34%
2022-02-17	2.31	2.31%
2022-02-18	2.24	2.24%
2022-02-21	#N/A	2.24%
2022-02-22	2.24	2.24%
2022-02-23	2.29	2.29%
2022-02-24	2.28	2.28%
2022-02-25	2.29	2.29%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2022-02-28	2.17	2.17%
2022-03-01	2.11	2.11%
2022-03-02	2.24	2.24%
2022-03-03	2.24	2.24%
2022-03-04	2.16	2.16%
2022-03-07	2.19	2.19%
2022-03-08	2.24	2.24%
2022-03-09	2.29	2.29%
2022-03-10	2.38	2.38%
2022-03-11	2.36	2.36%
2022-03-14	2.47	2.47%
2022-03-15	2.49	2.49%
2022-03-16	2.46	2.46%
2022-03-17	2.50	2.50%
2022-03-18	2.42	2.42%
2022-03-21	2.55	2.55%
2022-03-22	2.60	2.60%
2022-03-23	2.52	2.52%
2022-03-24	2.51	2.51%
2022-03-25	2.60	2.60%
2022-03-28	2.57	2.57%
2022-03-29	2.53	2.53%
2022-03-30	2.48	2.48%
2022-03-31	2.44	2.44%
2022-04-01	2.44	2.44%
2022-04-04	2.48	2.48%
2022-04-05	2.57	2.57%
2022-04-06	2.63	2.63%
2022-04-07	2.69	2.69%
2022-04-08	2.76	2.76%
2022-04-11	2.84	2.84%
2022-04-12	2.82	2.82%
2022-04-13	2.81	2.81%
2022-04-14	2.92	2.92%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30 — Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2022-04-15	#N/A	2.92%
2022-04-18	2.95	2.95%
2022-04-19	3.01	3.01%
2022-04-20	2.90	2.90%
2022-04-21	2.94	2.94%
2022-04-22	2.95	2.95%
2022-04-25	2.88	2.88%
2022-04-26	2.86	2.86%
2022-04-27	2.91	2.91%
2022-04-28	2.92	2.92%
2022-04-29	2.96	2.96%
2022-05-02	3.07	3.07%
2022-05-03	3.03	3.03%
2022-05-04	3.01	3.01%
2022-05-05	3.15	3.15%
2022-05-06	3.23	3.23%
2022-05-09	3.19	3.19%
2022-05-10	3.12	3.12%
2022-05-11	3.05	3.05%
2022-05-12	3.00	3.00%
2022-05-13	3.10	3.10%
2022-05-16	3.09	3.09%
2022-05-17	3.17	3.17%
2022-05-18	3.07	3.07%
2022-05-19	3.05	3.05%
2022-05-20	2.99	2.99%
2022-05-23	3.08	3.08%
2022-05-24	2.98	2.98%
2022-05-25	2.97	2.97%
2022-05-26	2.99	2.99%
2022-05-27	2.97	2.97%
2022-05-30	#N/A	2.97%
2022-05-31	3.07	3.07%
2022-06-01	3.09	3.09%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2022-06-02	3.09	3.09%
2022-06-03	3.11	3.11%
2022-06-06	3.19	3.19%
2022-06-07	3.13	3.13%
2022-06-08	3.18	3.18%
2022-06-09	3.18	3.18%
2022-06-10	3.20	3.20%
2022-06-13	3.42	3.42%
2022-06-14	3.45	3.45%
2022-06-15	3.39	3.39%
2022-06-16	3.35	3.35%
2022-06-17	3.30	3.30%
2022-06-20	#N/A	3.30%
2022-06-21	3.39	3.39%
2022-06-22	3.25	3.25%
2022-06-23	3.21	3.21%
2022-06-24	3.26	3.26%
2022-06-27	3.31	3.31%
2022-06-28	3.30	3.30%
2022-06-29	3.22	3.22%
2022-06-30	3.14	3.14%
2022-07-01	3.11	3.11%
2022-07-04	#N/A	3.11%
2022-07-05	3.05	3.05%
2022-07-06	3.14	3.14%
2022-07-07	3.20	3.20%
2022-07-08	3.27	3.27%
2022-07-11	3.18	3.18%
2022-07-12	3.13	3.13%
2022-07-13	3.08	3.08%
2022-07-14	3.11	3.11%
2022-07-15	3.10	3.10%
2022-07-18	3.14	3.14%
2022-07-19	3.17	3.17%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2022-07-20	3.17	3.17%
2022-07-21	3.08	3.08%
2022-07-22	3.00	3.00%
2022-07-25	3.04	3.04%
2022-07-26	3.03	3.03%
2022-07-27	3.03	3.03%
2022-07-28	3.02	3.02%
2022-07-29	3.00	3.00%
2022-08-01	2.92	2.92%
2022-08-02	3.00	3.00%
2022-08-03	2.96	2.96%
2022-08-04	2.97	2.97%
2022-08-05	3.06	3.06%
2022-08-08	3.00	3.00%
2022-08-09	3.01	3.01%
2022-08-10	3.04	3.04%
2022-08-11	3.15	3.15%
2022-08-12	3.12	3.12%
2022-08-15	3.10	3.10%
2022-08-16	3.11	3.11%
2022-08-17	3.15	3.15%
2022-08-18	3.14	3.14%
2022-08-19	3.22	3.22%
2022-08-22	3.24	3.24%
2022-08-23	3.26	3.26%
2022-08-24	3.32	3.32%
2022-08-25	3.25	3.25%
2022-08-26	3.21	3.21%
2022-08-29	3.25	3.25%
2022-08-30	3.23	3.23%
2022-08-31	3.27	3.27%
2022-09-01	3.37	3.37%
2022-09-02	3.35	3.35%
2022-09-05	#N/A	3.35%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2022-09-06	3.49	3.49%
2022-09-07	3.42	3.42%
2022-09-08	3.45	3.45%
2022-09-09	3.47	3.47%
2022-09-12	3.53	3.53%
2022-09-13	3.51	3.51%
2022-09-14	3.47	3.47%
2022-09-15	3.48	3.48%
2022-09-16	3.52	3.52%
2022-09-19	3.52	3.52%
2022-09-20	3.59	3.59%
2022-09-21	3.50	3.50%
2022-09-22	3.65	3.65%
2022-09-23	3.61	3.61%
2022-09-26	3.72	3.72%
2022-09-27	3.87	3.87%
2022-09-28	3.70	3.70%
2022-09-29	3.71	3.71%
2022-09-30	3.79	3.79%
2022-10-03	3.73	3.73%
2022-10-04	3.70	3.70%
2022-10-05	3.78	3.78%
2022-10-06	3.81	3.81%
2022-10-07	3.86	3.86%
2022-10-10	#N/A	3.86%
2022-10-11	3.92	3.92%
2022-10-12	3.90	3.90%
2022-10-13	3.97	3.97%
2022-10-14	3.99	3.99%
2022-10-17	4.04	4.04%
2022-10-18	4.04	4.04%
2022-10-19	4.15	4.15%
2022-10-20	4.24	4.24%
2022-10-21	4.33	4.33%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2022-10-24	4.40	4.40%
2022-10-25	4.26	4.26%
2022-10-26	4.19	4.19%
2022-10-27	4.12	4.12%
2022-10-28	4.15	4.15%
2022-10-31	4.22	4.22%
2022-11-01	4.14	4.14%
2022-11-02	4.15	4.15%
2022-11-03	4.18	4.18%
2022-11-04	4.27	4.27%
2022-11-07	4.34	4.34%
2022-11-08	4.28	4.28%
2022-11-09	4.31	4.31%
2022-11-10	4.03	4.03%
2022-11-11	#N/A	4.03%
2022-11-14	4.07	4.07%
2022-11-15	3.98	3.98%
2022-11-16	3.85	3.85%
2022-11-17	3.89	3.89%
2022-11-18	3.92	3.92%
2022-11-21	3.91	3.91%
2022-11-22	3.83	3.83%
2022-11-23	3.74	3.74%
2022-11-24	#N/A	3.74%
2022-11-25	3.74	3.74%
2022-11-28	3.74	3.74%
2022-11-29	3.81	3.81%
2022-11-30	3.80	3.80%
2022-12-01	3.64	3.64%
2022-12-02	3.56	3.56%
2022-12-05	3.62	3.62%
2022-12-06	3.52	3.52%
2022-12-07	3.42	3.42%
2022-12-08	3.44	3.44%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2022-12-09	3.56	3.56%
2022-12-12	3.57	3.57%
2022-12-13	3.53	3.53%
2022-12-14	3.52	3.52%
2022-12-15	3.48	3.48%
2022-12-16	3.53	3.53%
2022-12-19	3.62	3.62%
2022-12-20	3.74	3.74%
2022-12-21	3.74	3.74%
2022-12-22	3.73	3.73%
2022-12-23	3.82	3.82%
2022-12-26	#N/A	3.82%
2022-12-27	3.93	3.93%
2022-12-28	3.98	3.98%
2022-12-29	3.92	3.92%
2022-12-30	3.97	3.97%
2023-01-02	#N/A	3.97%
2023-01-03	3.88	3.88%
2023-01-04	3.81	3.81%
2023-01-05	3.78	3.78%
2023-01-06	3.67	3.67%
2023-01-09	3.66	3.66%
2023-01-10	3.74	3.74%
2023-01-11	3.67	3.67%
2023-01-12	3.56	3.56%
2023-01-13	3.61	3.61%
2023-01-16	#N/A	3.61%
2023-01-17	3.64	3.64%
2023-01-18	3.54	3.54%
2023-01-19	3.57	3.57%
2023-01-20	3.66	3.66%
2023-01-23	3.69	3.69%
2023-01-24	3.62	3.62%
2023-01-25	3.62	3.62%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2023-01-26	3.62	3.62%
2023-01-27	3.64	3.64%
2023-01-30	3.66	3.66%
2023-01-31	3.65	3.65%
2023-02-01	3.55	3.55%
2023-02-02	3.55	3.55%
2023-02-03	3.63	3.63%
2023-02-06	3.67	3.67%
2023-02-07	3.72	3.72%
2023-02-08	3.70	3.70%
2023-02-09	3.75	3.75%
2023-02-10	3.83	3.83%
2023-02-13	3.79	3.79%
2023-02-14	3.81	3.81%
2023-02-15	3.85	3.85%
2023-02-16	3.92	3.92%
2023-02-17	3.88	3.88%
2023-02-20	#N/A	3.88%
2023-02-21	3.98	3.98%
2023-02-22	3.94	3.94%
2023-02-23	3.88	3.88%
2023-02-24	3.93	3.93%
2023-02-27	3.93	3.93%
2023-02-28	3.93	3.93%
2023-03-01	3.97	3.97%
2023-03-02	4.03	4.03%
2023-03-03	3.90	3.90%
2023-03-06	3.92	3.92%
2023-03-07	3.88	3.88%
2023-03-08	3.88	3.88%
2023-03-09	3.88	3.88%
2023-03-10	3.70	3.70%
2023-03-13	3.70	3.70%
2023-03-14	3.77	3.77%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2023-03-15	3.70	3.70%
2023-03-16	3.71	3.71%
2023-03-17	3.60	3.60%
2023-03-20	3.65	3.65%
2023-03-21	3.73	3.73%
2023-03-22	3.68	3.68%
2023-03-23	3.66	3.66%
2023-03-24	3.64	3.64%
2023-03-27	3.77	3.77%
2023-03-28	3.77	3.77%
2023-03-29	3.78	3.78%
2023-03-30	3.74	3.74%
2023-03-31	3.67	3.67%
2023-04-03	3.64	3.64%
2023-04-04	3.60	3.60%
2023-04-05	3.56	3.56%
2023-04-06	3.54	3.54%
2023-04-07	3.61	3.61%
2023-04-10	3.62	3.62%
2023-04-11	3.62	3.62%
2023-04-12	3.64	3.64%
2023-04-13	3.69	3.69%
2023-04-14	3.74	3.74%
2023-04-17	3.81	3.81%
2023-04-18	3.79	3.79%
2023-04-19	3.79	3.79%
2023-04-20	3.75	3.75%
2023-04-21	3.78	3.78%
2023-04-24	3.73	3.73%
2023-04-25	3.65	3.65%
2023-04-26	3.70	3.70%
2023-04-27	3.76	3.76%
2023-04-28	3.67	3.67%
2023-05-01	3.84	3.84%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2023-05-02	3.72	3.72%
2023-05-03	3.70	3.70%
2023-05-04	3.73	3.73%
2023-05-05	3.76	3.76%
2023-05-08	3.84	3.84%
2023-05-09	3.85	3.85%
2023-05-10	3.80	3.80%
2023-05-11	3.73	3.73%
2023-05-12	3.78	3.78%
2023-05-15	3.84	3.84%
2023-05-16	3.87	3.87%
2023-05-17	3.88	3.88%
2023-05-18	3.91	3.91%
2023-05-19	3.95	3.95%
2023-05-22	3.97	3.97%
2023-05-23	3.96	3.96%
2023-05-24	3.97	3.97%
2023-05-25	4.01	4.01%
2023-05-26	3.96	3.96%
2023-05-29	#N/A	3.96%
2023-05-30	3.90	3.90%
2023-05-31	3.85	3.85%
2023-06-01	3.84	3.84%
2023-06-02	3.88	3.88%
2023-06-05	3.89	3.89%
2023-06-06	3.87	3.87%
2023-06-07	3.95	3.95%
2023-06-08	3.89	3.89%
2023-06-09	3.89	3.89%
2023-06-12	3.87	3.87%
2023-06-13	3.94	3.94%
2023-06-14	3.90	3.90%
2023-06-15	3.85	3.85%
2023-06-16	3.86	3.86%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2023-06-19	#N/A	3.86%
2023-06-20	3.83	3.83%
2023-06-21	3.81	3.81%
2023-06-22	3.88	3.88%
2023-06-23	3.82	3.82%
2023-06-26	3.83	3.83%
2023-06-27	3.84	3.84%
2023-06-28	3.81	3.81%
2023-06-29	3.92	3.92%
2023-06-30	3.85	3.85%
2023-07-03	3.87	3.87%
2023-07-04	0	0.00%
2023-07-05	3.95	3.95%
2023-07-06	4.01	4.01%
2023-07-07	4.05	4.05%
2023-07-10	4.05	4.05%
2023-07-11	4.03	4.03%
2023-07-12	3.96	3.96%
2023-07-13	3.90	3.90%
2023-07-14	3.93	3.93%
2023-07-17	3.94	3.94%
2023-07-18	3.91	3.91%
2023-07-19	3.84	3.84%
2023-07-20	3.91	3.91%
2023-07-21	3.91	3.91%
2023-07-24	3.92	3.92%
2023-07-25	3.95	3.95%
2023-07-26	3.94	3.94%
2023-07-27	4.06	4.06%
2023-07-28	4.03	4.03%
2023-07-31	4.02	4.02%
2023-08-01	4.11	4.11%
2023-08-02	4.17	4.17%
2023-08-03	4.32	4.32%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30		
2023-08-04		4.21	4.21%
2023-08-07		4.27	4.27%
2023-08-08		4.20	4.20%
2023-08-09		4.18	4.18%
2023-08-10		4.24	4.24%
2023-08-11		4.27	4.27%
2023-08-14		4.29	4.29%
2023-08-15		4.32	4.32%
2023-08-16		4.38	4.38%
2023-08-17		4.41	4.41%
2023-08-18		4.38	4.38%
2023-08-21		4.45	4.45%
2023-08-22		4.42	4.42%
2023-08-23		4.27	4.27%
2023-08-24		4.30	4.30%
2023-08-25		4.30	4.30%
2023-08-28		4.29	4.29%
2023-08-29		4.23	4.23%
2023-08-30		4.23	4.23%
2023-08-31		4.20	4.20%
2023-09-01		4.29	4.29%
2023-09-04		0	4.29%
2023-09-05		4.38	4.38%
2023-09-06		4.37	4.37%
2023-09-07		4.36	4.36%
2023-09-08		4.33	4.33%
2023-09-11		4.37	4.37%
2023-09-12		4.35	4.35%
2023-09-13		4.34	4.34%
2023-09-14		4.39	4.39%
2023-09-15		4.42	4.42%
2023-09-18		4.40	4.40%
2023-09-19		4.43	4.43%
2023-09-20		4.40	4.40%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2023-09-21	4.56	4.56%
2023-09-22	4.53	4.53%
2023-09-25	4.67	4.67%
2023-09-26	4.70	4.70%
2023-09-27	4.73	4.73%
2023-09-28	4.71	4.71%
2023-09-29	4.73	4.73%
2023-10-02	4.81	4.81%
2023-10-03	4.95	4.95%
2023-10-04	4.87	4.87%
2023-10-05	4.89	4.89%
2023-10-06	4.95	4.95%
2023-10-09	#N/A	4.95%
2023-10-10	4.85	4.85%
2023-10-11	4.73	4.73%
2023-10-12	4.86	4.86%
2023-10-13	4.78	4.78%
2023-10-16	4.87	4.87%
2023-10-17	4.94	4.94%
2023-10-18	5.00	5.00%
2023-10-19	5.11	5.11%
2023-10-20	5.09	5.09%
2023-10-23	5.01	5.01%
2023-10-24	4.96	4.96%
2023-10-25	5.09	5.09%
2023-10-26	5.01	5.01%
2023-10-27	5.03	5.03%
2023-10-30	5.04	5.04%
2023-10-31	5.04	5.04%
2023-11-01	4.96	4.96%
2023-11-02	4.82	4.82%
2023-11-03	4.77	4.77%
2023-11-06	4.84	4.84%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2023-11-07	4.75	4.75%
2023-11-08	4.64	4.64%
2023-11-09	4.77	4.77%
2023-11-10	4.73	4.73%
2023-11-13	4.75	4.75%
2023-11-14	4.61	4.61%
2023-11-15	4.68	4.68%
2023-11-16	4.63	4.63%
2023-11-17	4.59	4.59%
2023-11-20	4.57	4.57%
2023-11-21	4.57	4.57%
2023-11-22	4.55	4.55%
2023-11-23	#N/A	4.55%
2023-11-24	4.60	4.60%
2023-11-27	4.53	4.53%
2023-11-28	4.52	4.52%
2023-11-29	4.44	4.44%
2023-11-30	4.54	4.54%
2023-12-01	4.4	4.40%
2023-12-04	4.43	4.43%
2023-12-05	4.3	4.30%
2023-12-06	4.22	4.22%
2023-12-07	4.25	4.25%
2023-12-08	4.31	4.31%
2023-12-11	4.32	4.32%
2023-12-12	4.3	4.30%
2023-12-13	4.19	4.19%
2023-12-14	4.03	4.03%
2023-12-15	4	4.00%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2023-12-18	4.05	4.05%
2023-12-19	4.03	4.03%
2023-12-20	3.98	3.98%
2023-12-21	4.03	4.03%
2023-12-22	4.05	4.05%
2023-12-25		
2023-12-26	4.04	4.04%
2023-12-27	3.95	3.95%
2023-12-28	3.98	3.98%
2023-12-29	4.03	4.03%
2024-01-01		
2024-01-02	4.08	4.08%
2024-01-03	4.05	4.05%
2024-01-04	4.13	4.13%
2024-01-05	4.21	4.21%
2024-01-08	4.17	4.17%
2024-01-09	4.18	4.18%
2024-01-10	4.2	4.20%
2024-01-11	4.18	4.18%
2024-01-12	4.2	4.20%
2024-01-15		
2024-01-16	4.3	4.30%
2024-01-17	4.31	4.31%
2024-01-18	4.37	4.37%
2024-01-19	4.36	4.36%
2024-01-22	4.32	4.32%
2024-01-23	4.38	4.38%
2024-01-24	4.41	4.41%
2024-01-25	4.38	4.38%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2024-01-26	4.38	4.38%
2024-01-29	4.31	4.31%
2024-01-30	4.28	4.28%
2024-01-31	4.22	4.22%
2024-02-01	4.1	4.10%
2024-02-02	4.22	4.22%
2024-02-05	4.35	4.35%
2024-02-06	4.29	4.29%
2024-02-07	4.31	4.31%
2024-02-08	4.36	4.36%
2024-02-09	4.37	4.37%
2024-02-12	4.37	4.37%
2024-02-13	4.46	4.46%
2024-02-14	4.45	4.45%
2024-02-15	4.42	4.42%
2024-02-16	4.45	4.45%
2024-02-19		
2024-02-20	4.44	4.44%
2024-02-21	4.49	4.49%
2024-02-22	4.47	4.47%
2024-02-23	4.37	4.37%
2024-02-26	4.4	4.40%
2024-02-27	4.44	4.44%
2024-02-28	4.4	4.40%
2024-02-29	4.38	4.38%
2024-03-01	4.33	4.33%
2024-03-04	4.36	4.36%
2024-03-05	4.27	4.27%
2024-03-06	4.24	4.24%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2024-03-07	4.25	4.25%
2024-03-08	4.26	4.26%
2024-03-11	4.26	4.26%
2024-03-12	4.31	4.31%
2024-03-13	4.35	4.35%
2024-03-14	4.44	4.44%
2024-03-15	4.43	4.43%
2024-03-18	4.46	4.46%
2024-03-19	4.44	4.44%
2024-03-20	4.45	4.45%
2024-03-21	4.44	4.44%
2024-03-22	4.39	4.39%
2024-03-25	4.42	4.42%
2024-03-26	4.4	4.40%
2024-03-27	4.36	4.36%
2024-03-28	4.34	4.34%
2024-03-29		
2024-04-01	4.47	4.47%
2024-04-02	4.51	4.51%
2024-04-03	4.51	4.51%
2024-04-04	4.47	4.47%
2024-04-05	4.54	4.54%
2024-04-08	4.55	4.55%
2024-04-09	4.5	4.50%
2024-04-10	4.64	4.64%
2024-04-11	4.65	4.65%
2024-04-12	4.61	4.61%
2024-04-15	4.74	4.74%
2024-04-16	4.77	4.77%

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Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2024-04-17	4.71	4.71%
2024-04-18	4.74	4.74%
2024-04-19	4.72	4.72%
2024-04-22	4.72	4.72%
2024-04-23	4.73	4.73%
2024-04-24	4.78	4.78%
2024-04-25	4.82	4.82%
2024-04-26	4.78	4.78%
2024-04-29	4.75	4.75%
2024-04-30	4.79	4.79%
2024-05-01	4.74	4.74%
2024-05-02	4.72	4.72%
2024-05-03	4.66	4.66%
2024-05-06	4.64	4.64%
2024-05-07	4.61	4.61%
2024-05-08	4.64	4.64%
2024-05-09	4.6	4.60%
2024-05-10	4.64	4.64%
2024-05-13	4.63	4.63%
2024-05-14	4.59	4.59%
2024-05-15	4.52	4.52%
2024-05-16	4.52	4.52%
2024-05-17	4.56	4.56%
2024-05-20	4.58	4.58%
2024-05-21	4.55	4.55%
2024-05-22	4.55	4.55%
2024-05-23	4.58	4.58%
2024-05-24	4.57	4.57%
2024-05-27		

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2024-05-28	4.66	4.66%
2024-05-29	4.74	4.74%
2024-05-30	4.69	4.69%
2024-05-31	4.65	4.65%
2024-06-03	4.55	4.55%
2024-06-04	4.48	4.48%
2024-06-05	4.44	4.44%
2024-06-06	4.43	4.43%
2024-06-07	4.55	4.55%
2024-06-10	4.59	4.59%
2024-06-11	4.53	4.53%
2024-06-12	4.47	4.47%
2024-06-13	4.4	4.40%
2024-06-14	4.34	4.34%
2024-06-17	4.4	4.40%
2024-06-18	4.36	4.36%
2024-06-19		
2024-06-20	4.39	4.39%
2024-06-21	4.39	4.39%
2024-06-24	4.38	4.38%
2024-06-25	4.36	4.36%
2024-06-26	4.45	4.45%
2024-06-27	4.43	4.43%
2024-06-28	4.51	4.51%
2024-07-01	4.64	4.64%
2024-07-02	4.60	4.60%
2024-07-03	4.53	4.53%
2024-07-04		
2024-07-05	4.47	4.47%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2024-07-08	4.46	4.46%
2024-07-09	4.49	4.49%
2024-07-10	4.47	4.47%
2024-07-11	4.41	4.41%
2024-07-12	4.39	4.39%
2024-07-15	4.46	4.46%
2024-07-16	4.38	4.38%
2024-07-17	4.37	4.37%
2024-07-18	4.41	4.41%
2024-07-19	4.45	4.45%
2024-07-22	4.48	4.48%
2024-07-23	4.48	4.48%
2024-07-24	4.54	4.54%
2024-07-25	4.50	4.50%
2024-07-26	4.45	4.45%
2024-07-29	4.42	4.42%
2024-07-30	4.40	4.40%
2024-07-31	4.35	4.35%
2024-08-01	4.27	4.27%
2024-08-02	4.11	4.11%
2024-08-05	4.06	4.06%
2024-08-06	4.18	4.18%
2024-08-07	4.26	4.26%
2024-08-08	4.28	4.28%
2024-08-09	4.23	4.23%
2024-08-12	4.19	4.19%
2024-08-13	4.16	4.16%
2024-08-14	4.12	4.12%
2024-08-15	4.18	4.18%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2024-08-16	4.15	4.15%
2024-08-19	4.11	4.11%
2024-08-20	4.07	4.07%
2024-08-21	4.06	4.06%
2024-08-22	4.13	4.13%
2024-08-23	4.10	4.10%
2024-08-26	4.11	4.11%
2024-08-27	4.13	4.13%
2024-08-28	4.13	4.13%
2024-08-29	4.15	4.15%
2024-08-30	4.20	4.20%
2024-09-02		
2024-09-03	4.13	4.13%
2024-09-04	4.06	4.06%
2024-09-05	4.02	4.02%
2024-09-06	4.03	4.03%
2024-09-09	4.00	4.00%
2024-09-10	3.97	3.97%
2024-09-11	3.96	3.96%
2024-09-12	4.00	4.00%
2024-09-13	3.98	3.98%
2024-09-16	3.94	3.94%
2024-09-17	3.96	3.96%
2024-09-18	4.03	4.03%
2024-09-19	4.06	4.06%
2024-09-20	4.07	4.07%
2024-09-23	4.09	4.09%
2024-09-24	4.09	4.09%
2024-09-25	4.14	4.14%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2024-09-26	4.12	4.12%
2024-09-27	4.10	4.10%
2024-09-30	4.14	4.14%
2024-10-01	4.08	4.08%
2024-10-02	4.14	4.14%
2024-10-03	4.18	4.18%
2024-10-04	4.26	4.26%
2024-10-07	4.30	4.30%
2024-10-08	4.32	4.32%
2024-10-09	4.34	4.34%
2024-10-10	4.38	4.38%
2024-10-11	4.39	4.39%
2024-10-14		
2024-10-15	4.32	4.32%
2024-10-16	4.30	4.30%
2024-10-17	4.39	4.39%
2024-10-18	4.38	4.38%
2024-10-21	4.49	4.49%
2024-10-22	4.49	4.49%
2024-10-23	4.51	4.51%
2024-10-24	4.47	4.47%
2024-10-25	4.51	4.51%
2024-10-28	4.53	4.53%
2024-10-29	4.52	4.52%
2024-10-30	4.49	4.49%
2024-10-31	4.47	4.47%
2024-11-01	4.57	4.57%
2024-11-04	4.50	4.50%
2024-11-05	4.44	4.44%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2024-11-06	4.60	4.60%
2024-11-07	4.52	4.52%
2024-11-08	4.47	4.47%
2024-11-11		
2024-11-12	4.58	4.58%
2024-11-13	4.63	4.63%
2024-11-14	4.58	4.58%
2024-11-15	4.60	4.60%
2024-11-18	4.61	4.61%
2024-11-19	4.57	4.57%
2024-11-20	4.59	4.59%
2024-11-21	4.61	4.61%
2024-11-22	4.60	4.60%
2024-11-25	4.45	4.45%
2024-11-26	4.48	4.48%
2024-11-27	4.44	4.44%
2024-11-28		
2024-11-29	4.36	4.36%
2024-12-02	4.36	4.36%
2024-12-03	4.40	4.40%
2024-12-04	4.35	4.35%
2024-12-05	4.33	4.33%
2024-12-06	4.34	4.34%
2024-12-09	4.39	4.39%
2024-12-10	4.41	4.41%
2024-12-11	4.48	4.48%
2024-12-12	4.55	4.55%
2024-12-13	4.61	4.61%
2024-12-16	4.60	4.60%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2024-12-17	4.59	4.59%
2024-12-18	4.65	4.65%
2024-12-19	4.74	4.74%
2024-12-20	4.72	4.72%
2024-12-23	4.78	4.78%
2024-12-24	4.76	4.76%
2024-12-25		
2024-12-26	4.76	4.76%
2024-12-27	4.82	4.82%
2024-12-30	4.77	4.77%
2024-12-31	4.78	4.78%
2025-01-01		
2025-01-02	4.79	4.79%
2025-01-03	4.82	4.82%
2025-01-06	4.85	4.85%
2025-01-07	4.91	4.91%
2025-01-08	4.91	4.91%
2025-01-09	4.92	4.92%
2025-01-10	4.96	4.96%
2025-01-13	4.97	4.97%
2025-01-14	4.98	4.98%
2025-01-15	4.88	4.88%
2025-01-16	4.84	4.84%
2025-01-17	4.84	4.84%
2025-01-20		
2025-01-21	4.80	4.80%
2025-01-22	4.82	4.82%
2025-01-23	4.87	4.87%
2025-01-24	4.85	4.85%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2025-01-27	4.76	4.76%
2025-01-28	4.78	4.78%
2025-01-29	4.79	4.79%
2025-01-30	4.76	4.76%
2025-01-31	4.83	4.83%
2025-02-03	4.77	4.77%
2025-02-04	4.75	4.75%
2025-02-05	4.64	4.64%
2025-02-06	4.65	4.65%
2025-02-07	4.69	4.69%
2025-02-10	4.71	4.71%
2025-02-11	4.75	4.75%
2025-02-12	4.83	4.83%
2025-02-13	4.72	4.72%
2025-02-14	4.69	4.69%
2025-02-17		
2025-02-18	4.77	4.77%
2025-02-19	4.76	4.76%
2025-02-20	4.74	4.74%
2025-02-21	4.67	4.67%
2025-02-24	4.66	4.66%
2025-02-25	4.55	4.55%
2025-02-26	4.51	4.51%
2025-02-27	4.56	4.56%
2025-02-28	4.51	4.51%
2025-03-03	4.45	4.45%
2025-03-04	4.53	4.53%
2025-03-05	4.57	4.57%
2025-03-06	4.58	4.58%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2025-03-07	4.62	4.62%
2025-03-10	4.54	4.54%
2025-03-11	4.59	4.59%
2025-03-12	4.63	4.63%
2025-03-13	4.59	4.59%
2025-03-14	4.62	4.62%
2025-03-17	4.60	4.60%
2025-03-18	4.58	4.58%
2025-03-19	4.56	4.56%
2025-03-20	4.55	4.55%
2025-03-21	4.59	4.59%
2025-03-24	4.66	4.66%
2025-03-25	4.65	4.65%
2025-03-26	4.69	4.69%
2025-03-27	4.73	4.73%
2025-03-28	4.64	4.64%
2025-03-31	4.59	4.59%
2025-04-01	4.52	4.52%
2025-04-02	4.54	4.54%
2025-04-03	4.49	4.49%
2025-04-04	4.41	4.41%
2025-04-07	4.58	4.58%
2025-04-08	4.71	4.71%
2025-04-09	4.72	4.72%
2025-04-10	4.86	4.86%
2025-04-11	4.85	4.85%
2025-04-14	4.80	4.80%
2025-04-15	4.79	4.79%
2025-04-16	4.74	4.74%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2025-04-17	4.80	4.80%
2025-04-18		
2025-04-21	4.91	4.91%
2025-04-22	4.88	4.88%
2025-04-23	4.83	4.83%
2025-04-24	4.77	4.77%
2025-04-25	4.74	4.74%
2025-04-28	4.69	4.69%
2025-04-29	4.64	4.64%
2025-04-30	4.66	4.66%
2025-05-01	4.74	4.74%
2025-05-02	4.79	4.79%
2025-05-05	4.83	4.83%
2025-05-06	4.81	4.81%
2025-05-07	4.77	4.77%
2025-05-08	4.83	4.83%
2025-05-09	4.83	4.83%
2025-05-12	4.89	4.89%
2025-05-13	4.94	4.94%
2025-05-14	4.97	4.97%
2025-05-15	4.91	4.91%
2025-05-16	4.89	4.89%
2025-05-19	4.92	4.92%
2025-05-20	4.96	4.96%
2025-05-21	5.08	5.08%
2025-05-22	5.05	5.05%
2025-05-23	5.04	5.04%
2025-05-26		
2025-05-27	4.94	4.94%

FRED Graph Observations
Federal Reserve Economic Data
Link: https://fred.stlouisfed.org
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2025-05-28	4.97	4.97%
2025-05-29	4.92	4.92%
2025-05-30	4.92	4.92%
2025-06-02	4.99	4.99%
2025-06-03	4.98	4.98%
2025-06-04	4.89	4.89%
2025-06-05	4.88	4.88%
2025-06-06	4.97	4.97%
2025-06-09	4.95	4.95%
2025-06-10	4.93	4.93%
2025-06-11	4.91	4.91%
2025-06-12	4.84	4.84%
2025-06-13	4.90	4.90%
2025-06-16	4.96	4.96%
2025-06-17	4.88	4.88%
2025-06-18	4.88	4.88%
2025-06-19		
2025-06-20	4.89	4.89%
2025-06-23	4.87	4.87%
2025-06-24	4.83	4.83%
2025-06-25	4.83	4.83%
2025-06-26	4.81	4.81%
2025-06-27	4.85	4.85%
2025-06-30	4.78	4.78%
2025-07-01	4.78	4.78%
2025-07-02	4.82	4.82%
2025-07-03	4.86	4.86%
2025-07-04		
2025-07-07	4.92	4.92%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2025-07-08	4.94	4.94%
2025-07-09	4.87	4.87%
2025-07-10	4.86	4.86%
2025-07-11	4.96	4.96%
2025-07-14	4.97	4.97%
2025-07-15	5.01	5.01%
2025-07-16	5.01	5.01%
2025-07-17	5.01	5.01%
2025-07-18	5.00	5.00%
2025-07-21	4.94	4.94%
2025-07-22	4.90	4.90%
2025-07-23	4.95	4.95%
2025-07-24	4.96	4.96%
2025-07-25	4.92	4.92%
2025-07-28	4.96	4.96%
2025-07-29	4.86	4.86%
2025-07-30	4.89	4.89%
2025-07-31	4.89	4.89%
2025-08-01	4.81	4.81%
2025-08-04	4.80	4.80%
2025-08-05	4.78	4.78%
2025-08-06	4.81	4.81%
2025-08-07	4.81	4.81%
2025-08-08	4.85	4.85%
2025-08-11	4.84	4.84%
2025-08-12	4.88	4.88%
2025-08-13	4.83	4.83%
2025-08-14	4.88	4.88%
2025-08-15	4.92	4.92%

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Federal Reserve Economic Data
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2025-08-18	4.94	4.94%
2025-08-19	4.90	4.90%
2025-08-20	4.89	4.89%
2025-08-21	4.92	4.92%
2025-08-22	4.88	4.88%
2025-08-25	4.89	4.89%
2025-08-26	4.90	4.90%
2025-08-27	4.91	4.91%
2025-08-28	4.88	4.88%
2025-08-29	4.92	4.92%
2025-09-01		
2025-09-02	4.97	4.97%
2025-09-03	4.90	4.90%
2025-09-04	4.86	4.86%
2025-09-05	4.78	4.78%
2025-09-08	4.69	4.69%
2025-09-09	4.72	4.72%
2025-09-10	4.69	4.69%
2025-09-11	4.65	4.65%
2025-09-12	4.68	4.68%
2025-09-15	4.66	4.66%
2025-09-16	4.65	4.65%
2025-09-17	4.66	4.66%
2025-09-18	4.72	4.72%
2025-09-19	4.75	4.75%
2025-09-22	4.77	4.77%
2025-09-23	4.73	4.73%
2025-09-24	4.76	4.76%
2025-09-25	4.75	4.75%

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DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2025-09-26	4.77	4.77%
2025-09-29	4.71	4.71%
2025-09-30	4.73	4.73%
2025-10-01	4.72	4.72%
2025-10-02	4.69	4.69%
2025-10-03	4.71	4.71%
2025-10-06	4.76	4.76%
2025-10-07	4.73	4.73%
2025-10-08	4.72	4.72%
2025-10-09	4.72	4.72%
2025-10-10	4.63	4.63%
2025-10-13		
2025-10-14	4.62	4.62%
2025-10-15	4.64	4.64%
2025-10-16	4.58	4.58%
2025-10-17	4.60	4.60%
2025-10-20	4.58	4.58%
2025-10-21	4.55	4.55%
2025-10-22	4.54	4.54%
2025-10-23	4.58	4.58%
2025-10-24	4.59	4.59%
2025-10-27	4.57	4.57%
2025-10-28	4.55	4.55%
2025-10-29	4.61	4.61%
2025-10-30	4.65	4.65%
2025-10-31	4.67	4.67%
2025-11-03	4.69	4.69%
2025-11-04	4.67	4.67%
2025-11-05	4.74	4.74%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2025-11-06	4.69	4.69%
2025-11-07	4.70	4.70%
2025-11-10	4.71	4.71%
2025-11-11		
2025-11-12	4.67	4.67%
2025-11-13	4.70	4.70%
2025-11-14	4.74	4.74%
2025-11-17	4.73	4.73%
2025-11-18	4.74	4.74%
2025-11-19	4.75	4.75%
2025-11-20	4.73	4.73%
2025-11-21	4.71	4.71%
2025-11-24	4.68	4.68%
2025-11-25	4.67	4.67%
2025-11-26	4.64	4.64%
2025-11-27		
2025-11-28	4.67	4.67%
2025-12-01	4.74	4.74%
2025-12-02	4.74	4.74%
2025-12-03	4.73	4.73%
2025-12-04	4.76	4.76%
2025-12-05	4.79	4.79%
2025-12-08	4.81	4.81%
2025-12-09	4.80	4.80%
2025-12-10	4.78	4.78%
2025-12-11	4.79	4.79%
2025-12-12	4.85	4.85%
2025-12-15	4.84	4.84%
2025-12-16	4.82	4.82%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2025-12-17	4.83	4.83%
2025-12-18	4.80	4.80%
2025-12-19	4.82	4.82%
2025-12-22	4.84	4.84%
2025-12-23	4.83	4.83%
2025-12-24	4.79	4.79%
2025-12-25		
2025-12-26	4.81	4.81%
2025-12-29	4.80	4.80%
2025-12-30	4.81	4.81%
2025-12-31	4.84	4.84%
2026-01-01		
2026-01-02	4.86	4.86%
2026-01-05	4.85	4.85%
2026-01-06	4.86	4.86%
2026-01-07	4.82	4.82%
2026-01-08	4.85	4.85%
2026-01-09	4.82	4.82%
2026-01-12	4.83	4.83%
2026-01-13	4.83	4.83%
2026-01-14	4.79	4.79%
2026-01-15	4.79	4.79%
2026-01-16	4.83	4.83%
2026-01-19		
2026-01-20	4.91	4.91%
2026-01-21	4.87	4.87%
2026-01-22	4.84	4.84%
2026-01-23	4.82	4.82%
2026-01-26	4.80	4.80%

FRED Graph Observations
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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2026-01-27	4.83	4.83%
2026-01-28	4.85	4.85%
2026-01-29	4.85	4.85%
2026-01-30	4.87	4.87%
2026-02-02	4.90	4.90%
2026-02-03	4.90	4.90%
2026-02-04	4.91	4.91%
2026-02-05	4.85	4.85%
2026-02-06	4.85	4.85%
2026-02-09	4.85	4.85%
2026-02-10	4.78	4.78%
2026-02-11	4.82	4.82%
2026-02-12	4.72	4.72%
2026-02-13	4.69	4.69%
2026-02-16		
2026-02-17	4.68	4.68%
2026-02-18	4.71	4.71%
2026-02-19	4.70	4.70%
2026-02-20	4.72	4.72%
2026-02-23	4.70	4.70%
2026-02-24	4.70	4.70%
2026-02-25	4.70	4.70%
2026-02-26	4.67	4.67%
2026-02-27	4.64	4.64%
2026-03-02	4.70	4.70%
2026-03-03	4.70	4.70%
2026-03-04	4.72	4.72%
2026-03-05	4.74	4.74%
2026-03-06	4.77	4.77%

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Economic Research Division
Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2026-03-09	4.72	4.72%
2026-03-10	4.78	4.78%
2026-03-11	4.86	4.86%
2026-03-12	4.88	4.88%
2026-03-13	4.90	4.90%
2026-03-16	4.86	4.86%
2026-03-17	4.85	4.85%
2026-03-18	4.88	4.88%
2026-03-19	4.83	4.83%
2026-03-20	4.96	4.96%
2026-03-23	4.91	4.91%
2026-03-24	4.94	4.94%
2026-03-25	4.89	4.89%
2026-03-26	4.93	4.93%
2026-03-27	4.98	4.98%
2026-03-30	4.91	4.91%
2026-03-31	4.88	4.88%
2026-04-01	4.91	4.91%
2026-04-02	4.88	4.88%
2026-04-03	4.91	4.91%
2026-04-06	4.89	4.89%
2026-04-07	4.90	4.90%
2026-04-08	4.89	4.89%
2026-04-09	4.90	4.90%
2026-04-10	4.91	4.91%
2026-04-13	4.90	4.90%
2026-04-14	4.87	4.87%
2026-04-15	4.89	4.89%
2026-04-16	4.93	4.93%

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Federal Reserve Bank of St. Louis

DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2026-04-17	4.88	4.88%
2026-04-20	4.88	4.88%
2026-04-21	4.89	4.89%
2026-04-22	4.90	4.90%
2026-04-23	4.92	4.92%
2026-04-24	4.91	4.91%
2026-04-27	4.94	4.94%
2026-04-28	4.94	4.94%
2026-04-29	4.98	4.98%
2026-04-30	4.98	4.98%
2026-05-01	4.97	4.97%
2026-05-04	5.02	5.02%
2026-05-05	4.98	4.98%
2026-05-06	4.94	4.94%
2026-05-07	4.97	4.97%
2026-05-08	4.95	4.95%
2026-05-11	4.98	4.98%
2026-05-12	5.03	5.03%
2026-05-13	5.03	5.03%
2026-05-14	5.02	5.02%
2026-05-15	5.12	5.12%
2026-05-18	5.14	5.14%
2026-05-19	5.18	5.18%
2026-05-20	5.11	5.11%
2026-05-21	5.10	5.10%
2026-05-22	5.07	5.07%
2026-05-25		0.00%
2026-05-26	5.03	5.03%
2026-05-27	5.01	5.01%

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DGS30	Market Yield on U.S. Treasury Securities at 30-Year Constant Maturity, Quoted on an Investment Basis, Percent, Daily, Not Seasonally Adjusted

Frequency: Daily

observation_date	DGS30	
2026-05-28	4.98	4.98%
2026-05-29	4.99	4.99%
2026-06-01	4.99	4.99%
2026-06-02	4.97	4.97%
2026-06-03	4.99	4.99%
2026-06-04	4.97	4.97%
2026-06-05	5.01	5.01%
2026-06-08	5.03	5.03%
2026-06-09	5.01	5.01%
2026-06-10	5.03	5.03%
2026-06-11	4.95	4.95%
2026-06-12	4.97	4.97%
2026-06-15	4.97	4.97%
2026-06-16	4.93	4.93%
2026-06-17	4.93	4.93%

CPI for All Urban Consumers (CPI-U)
Original Data Value

Series Id: CUSR0000SA0L1E
Seasonally Adjusted
Series Title: All items less food and energy in U.S. city average, all
Area: U.S. city average
Item: All items less food and energy
Base Period: 1982-84=100
Years: 2006 to 2023

Year	Jan 1	Feb 2	Mar 3	Apr 4	May 5	Jun 6	Jul 7	Aug 8	Sep 9	Oct 10	Nov 11	Dec 12	HALF1	HALF2
2006	203.2	203.6	204.3	204.8	205.4	205.9	206.3	206.8	207.2	207.6	207.8	208.1		
2007	208.6	209.135	209.418	209.747	210.058	210.392	210.773	211.119	211.554	212.077	212.66	213.168		
2008	213.771	213.939	214.42	214.56	214.936	215.424	215.965	216.393	216.713	216.788	216.947	216.925		
2009	217.346	217.792	218.253	218.706	218.904	219.112	219.263	219.496	219.92	220.501	220.666	220.881		
2010	220.633	220.731	220.783	220.822	220.962	221.194	221.363	221.509	221.711	221.83	222.149	222.343		
2011	222.803	223.213	223.454	223.727	224.175	224.697	225.218	225.862	226.118	226.506	226.899	227.405		
2012	227.877	228.034	228.478	228.905	229.224	229.623	229.97	230.233	230.659	231.024	231.33	231.725		
2013	232.229	232.569	232.794	232.832	232.996	233.35	233.88	234.336	234.7	234.921	235.359	235.759		
2014	235.961	236.185	236.625	237.072	237.529	237.837	238.195	238.405	238.786	239.191	239.458	239.584		
2015	239.811	240.172	240.755	241.346	241.688	242.064	242.565	242.817	243.316	243.768	244.241	244.547		
2016	244.955	245.51	245.913	246.551	247.137	247.54	247.829	248.423	248.842	249.142	249.481	249.92		
2017	250.467	250.998	250.944	251.227	251.43	251.746	251.985	252.535	252.812	253.526	253.816	254.344		
2018	255.204	255.711	256.271	256.63	257.145	257.399	257.699	257.891	258.368	258.917	259.439	260.063		
2019	260.686	261.067	261.537	261.976	262.304	262.859	263.313	263.975	264.425	264.94	265.484	265.924		
2020	266.626	267.283	267.09	265.771	265.574	265.952	267.352	268.469	268.938	269.236	269.901	270.267		
2021	270.383	270.727	271.526	273.615	275.654	277.676	278.522	279.057	279.755	281.588	283.34	285.193		
2022	286.792	288.147	289.046	290.41	292.251	294.017	294.925	296.639	298.339	299.333	300.261	301.46		
2023	302.709	304.124	305.112	306.539	307.646	308.245	308.945	309.656	310.644	311.39	312.349	313.209		
2024	314.319	315.564	316.792	317.649	318.095	318.39	318.94	319.75	320.732	321.731	322.657	323.259		
2025	324.638	325.465	325.69	326.467	326.893	327.658	328.682	329.700	330.418		331.043	331.814		
2026	332.793	333.512	334.165											

Date	Month	Year	CPI	YOY % Change
Jan-06	1	2006	203.2	
Feb-06	2	2006	203.6	
Mar-06	3	2006	204.3	
Apr-06	4	2006	204.8	
May-06	5	2006	205.4	
Jun-06	6	2006	205.9	
Jul-06	7	2006	206.3	
Aug-06	8	2006	206.8	
Sep-06	9	2006	207.2	
Oct-06	10	2006	207.6	
Nov-06	11	2006	207.8	
Dec-06	12	2006	208.1	
Jan-07	1	2007	208.6	2.66%
Feb-07	2	2007	209.135	2.72%
Mar-07	3	2007	209.418	2.51%
Apr-07	4	2007	209.747	2.42%
May-07	5	2007	210.058	2.27%
Jun-07	6	2007	210.392	2.18%
Jul-07	7	2007	210.773	2.17%
Aug-07	8	2007	211.119	2.09%
Sep-07	9	2007	211.554	2.10%
Oct-07	10	2007	212.077	2.16%
Nov-07	11	2007	212.66	2.34%
Dec-07	12	2007	213.168	2.44%
Jan-08	1	2008	213.771	2.48%
Feb-08	2	2008	213.939	2.30%
Mar-08	3	2008	214.42	2.39%
Apr-08	4	2008	214.56	2.29%
May-08	5	2008	214.936	2.32%
Jun-08	6	2008	215.424	2.39%
Jul-08	7	2008	215.965	2.46%
Aug-08	8	2008	216.393	2.50%
Sep-08	9	2008	216.713	2.44%
Oct-08	10	2008	216.788	2.22%
Nov-08	11	2008	216.947	2.02%
Dec-08	12	2008	216.925	1.76%
Jan-09	1	2009	217.346	1.67%
Feb-09	2	2009	217.792	1.80%
Mar-09	3	2009	218.253	1.79%
Apr-09	4	2009	218.706	1.93%
May-09	5	2009	218.904	1.85%
Jun-09	6	2009	219.112	1.71%

Date	Month	Year	CPI	YOY % Change
Jul-09	7	2009	219.263	1.53%
Aug-09	8	2009	219.496	1.43%
Sep-09	9	2009	219.92	1.48%
Oct-09	10	2009	220.501	1.71%
Nov-09	11	2009	220.666	1.71%
Dec-09	12	2009	220.881	1.82%
Jan-10	1	2010	220.633	1.51%
Feb-10	2	2010	220.731	1.35%
Mar-10	3	2010	220.783	1.16%
Apr-10	4	2010	220.822	0.97%
May-10	5	2010	220.962	0.94%
Jun-10	6	2010	221.194	0.95%
Jul-10	7	2010	221.363	0.96%
Aug-10	8	2010	221.509	0.92%
Sep-10	9	2010	221.711	0.81%
Oct-10	10	2010	221.83	0.60%
Nov-10	11	2010	222.149	0.67%
Dec-10	12	2010	222.343	0.66%
Jan-11	1	2011	222.803	0.98%
Feb-11	2	2011	223.213	1.12%
Mar-11	3	2011	223.454	1.21%
Apr-11	4	2011	223.727	1.32%
May-11	5	2011	224.175	1.45%
Jun-11	6	2011	224.697	1.58%
Jul-11	7	2011	225.218	1.74%
Aug-11	8	2011	225.862	1.97%
Sep-11	9	2011	226.118	1.99%
Oct-11	10	2011	226.506	2.11%
Nov-11	11	2011	226.899	2.14%
Dec-11	12	2011	227.405	2.28%
Jan-12	1	2012	227.877	2.28%
Feb-12	2	2012	228.034	2.16%
Mar-12	3	2012	228.478	2.25%
Apr-12	4	2012	228.905	2.31%
May-12	5	2012	229.224	2.25%
Jun-12	6	2012	229.623	2.19%
Jul-12	7	2012	229.97	2.11%
Aug-12	8	2012	230.233	1.94%
Sep-12	9	2012	230.659	2.01%
Oct-12	10	2012	231.024	1.99%
Nov-12	11	2012	231.33	1.95%
Dec-12	12	2012	231.725	1.90%

Date	Month	Year	CPI	YOY % Change
Jan-13	1	2013	232.229	1.91%
Feb-13	2	2013	232.569	1.99%
Mar-13	3	2013	232.794	1.89%
Apr-13	4	2013	232.832	1.72%
May-13	5	2013	232.996	1.65%
Jun-13	6	2013	233.35	1.62%
Jul-13	7	2013	233.88	1.70%
Aug-13	8	2013	234.336	1.78%
Sep-13	9	2013	234.7	1.75%
Oct-13	10	2013	234.921	1.69%
Nov-13	11	2013	235.359	1.74%
Dec-13	12	2013	235.759	1.74%
Jan-14	1	2014	235.961	1.61%
Feb-14	2	2014	236.185	1.55%
Mar-14	3	2014	236.625	1.65%
Apr-14	4	2014	237.072	1.82%
May-14	5	2014	237.529	1.95%
Jun-14	6	2014	237.837	1.92%
Jul-14	7	2014	238.195	1.84%
Aug-14	8	2014	238.405	1.74%
Sep-14	9	2014	238.786	1.74%
Oct-14	10	2014	239.191	1.82%
Nov-14	11	2014	239.458	1.74%
Dec-14	12	2014	239.584	1.62%
Jan-15	1	2015	239.811	1.63%
Feb-15	2	2015	240.172	1.69%
Mar-15	3	2015	240.755	1.75%
Apr-15	4	2015	241.346	1.80%
May-15	5	2015	241.688	1.75%
Jun-15	6	2015	242.064	1.78%
Jul-15	7	2015	242.565	1.83%
Aug-15	8	2015	242.817	1.85%
Sep-15	9	2015	243.316	1.90%
Oct-15	10	2015	243.768	1.91%
Nov-15	11	2015	244.241	2.00%
Dec-15	12	2015	244.547	2.07%
Jan-16	1	2016	244.955	2.15%
Feb-16	2	2016	245.51	2.22%
Mar-16	3	2016	245.913	2.14%
Apr-16	4	2016	246.551	2.16%
May-16	5	2016	247.137	2.25%
Jun-16	6	2016	247.54	2.26%

Date	Month	Year	CPI	YOY % Change
Jul-16	7	2016	247.829	2.17%
Aug-16	8	2016	248.423	2.31%
Sep-16	9	2016	248.842	2.27%
Oct-16	10	2016	249.142	2.20%
Nov-16	11	2016	249.481	2.15%
Dec-16	12	2016	249.92	2.20%
Jan-17	1	2017	250.467	2.25%
Feb-17	2	2017	250.998	2.24%
Mar-17	3	2017	250.944	2.05%
Apr-17	4	2017	251.227	1.90%
May-17	5	2017	251.43	1.74%
Jun-17	6	2017	251.746	1.70%
Jul-17	7	2017	251.985	1.68%
Aug-17	8	2017	252.535	1.66%
Sep-17	9	2017	252.812	1.60%
Oct-17	10	2017	253.526	1.76%
Nov-17	11	2017	253.816	1.74%
Dec-17	12	2017	254.344	1.77%
Jan-18	1	2018	255.204	1.89%
Feb-18	2	2018	255.711	1.88%
Mar-18	3	2018	256.271	2.12%
Apr-18	4	2018	256.63	2.15%
May-18	5	2018	257.145	2.27%
Jun-18	6	2018	257.399	2.25%
Jul-18	7	2018	257.699	2.27%
Aug-18	8	2018	257.891	2.12%
Sep-18	9	2018	258.368	2.20%
Oct-18	10	2018	258.917	2.13%
Nov-18	11	2018	259.439	2.22%
Dec-18	12	2018	260.063	2.25%
Jan-19	1	2019	260.686	2.15%
Feb-19	2	2019	261.067	2.09%
Mar-19	3	2019	261.537	2.05%
Apr-19	4	2019	261.976	2.08%
May-19	5	2019	262.304	2.01%
Jun-19	6	2019	262.859	2.12%
Jul-19	7	2019	263.313	2.18%
Aug-19	8	2019	263.975	2.36%
Sep-19	9	2019	264.425	2.34%
Oct-19	10	2019	264.94	2.33%
Nov-19	11	2019	265.484	2.33%
Dec-19	12	2019	265.924	2.25%

Date	Month	Year	CPI	YOY % Change
Jan-20	1	2020	266.626	2.28%
Feb-20	2	2020	267.283	2.38%
Mar-20	3	2020	267.09	2.12%
Apr-20	4	2020	265.771	1.45%
May-20	5	2020	265.574	1.25%
Jun-20	6	2020	265.952	1.18%
Jul-20	7	2020	267.352	1.53%
Aug-20	8	2020	268.469	1.70%
Sep-20	9	2020	268.938	1.71%
Oct-20	10	2020	269.236	1.62%
Nov-20	11	2020	269.901	1.66%
Dec-20	12	2020	270.267	1.63%
Jan-21	1	2021	270.383	1.41%
Feb-21	2	2021	270.727	1.29%
Mar-21	3	2021	271.526	1.66%
Apr-21	4	2021	273.615	2.95%
May-21	5	2021	275.654	3.80%
Jun-21	6	2021	277.676	4.41%
Jul-21	7	2021	278.522	4.18%
Aug-21	8	2021	279.057	3.94%
Sep-21	9	2021	279.755	4.02%
Oct-21	10	2021	281.588	4.59%
Nov-21	11	2021	283.34	4.98%
Dec-21	12	2021	285.193	5.52%
Jan-22	1	2022	286.792	6.07%
Feb-22	2	2022	288.147	6.43%
Mar-22	3	2022	289.046	6.45%
Apr-22	4	2022	290.41	6.14%
May-22	5	2022	292.251	6.02%
Jun-22	6	2022	294.017	5.88%
Jul-22	7	2022	294.925	5.89%
Aug-22	8	2022	296.639	6.30%
Sep-22	9	2022	298.339	6.64%
Oct-22	10	2022	299.333	6.30%
Nov-22	11	2022	300.261	5.97%
Dec-22	12	2022	301.46	5.70%
Jan-23	1	2023	302.709	5.55%
Feb-23	2	2023	304.124	5.54%
Mar-23	3	2023	305.112	5.56%
Apr-23	4	2023	306.539	5.55%
May-23	5	2023	307.646	5.27%
Jun-23	6	2023	308.245	4.84%

Date	Month	Year	CPI	YOY % Change
Jul-23	7	2023	308.945	4.75%
Aug-23	8	2023	309.656	4.39%
Sep-23	9	2023	310.644	4.12%
Oct-23	10	2023	311.39	4.03%
Nov-23	11	2023	312.349	4.03%
Dec-23	12	2023	313.209	3.90%
Jan-24	1	2024	314.319	3.84%
Feb-24	2	2024	315.564	3.76%
Mar-24	3	2024	316.792	3.83%
Apr-24	4	2024	317.649	3.62%
May-24	5	2024	318.095	3.40%
Jun-24	6	2024	318.39	3.29%
Jul-24	7	2024	318.94	3.24%
Aug-24	8	2024	319.75	3.26%
Sep-24	9	2024	320.732	3.25%
Oct-24	10	2024	321.731	3.32%
Nov-24	11	2024	322.657	3.30%
Dec-24	12	2024	323.259	3.21%
Jan-25	1	2025	324.638	3.28%
Feb-25	2	2025	325.465	3.14%
Mar-25	3	2025	325.69	2.81%
Apr-25	4	2025	326.467	2.78%
May-25	5	2025	326.893	2.77%
Jun-25	6	2025	327.658	2.91%
Jul-25	7	2025	328.682	3.05%
Aug-25	8	2025	329.7	3.11%
Sep-25	9	2025	330.418	3.02%
Oct-25	10	2025	330.418	2.70%
Nov-25	11	2025	331.043	2.60%
Dec-25	12	2025	331.814	2.65%
Jan-26	1	2026	332.793	2.51%
Feb-26	2	2026	333.512	2.47%
Mar-26	3	2026	334.165	2.60%