

**National Average Contract Mortgage Rate
for the Purchase of Previously Occupied Homes
by Combined Lenders**

Announcement Date	Index Month	Year	Rate
April 3, 1980	January	1980	11.78%
April 7, 1980	February	1980	12.30%
May 7, 1980	March	1980	12.56%
May 21, 1980	April	1980	13.21%
June 11, 1980	May	1980	13.74%
July 11, 1980	June	1980	12.88%
August 11, 1980	July	1980	12.23%
September 11, 1980	August	1980	11.89%
October 10, 1980	September	1980	12.00%
November 10, 1980	October	1980	12.31%
December 11, 1980	November	1980	12.85%
January 13, 1981	December	1980	13.15%
February 11, 1981	January	1981	13.24%
March 12, 1981	February	1981	13.73%
April 10, 1981	March	1981	13.91%
May 12, 1981	April	1981	13.99%
June 10, 1981	May	1981	14.19%
July 13, 1981	June	1981	14.40%
August 12, 1981	July	1981	14.77%
September 14, 1981	August	1981	15.03%
October 13, 1981	September	1981	15.38%
November 12, 1981	October	1981	15.47%
December 14, 1981	November	1981	15.80%
January 12, 1982	December	1981	15.53%
February 12, 1982	January	1982	15.37%
March 12, 1982	February	1982	15.22%
April 12, 1982	March	1982	15.07%
May 12, 1982	April	1982	15.39%
June 11, 1982	May	1982	15.57%
July 13, 1982	June	1982	15.01%
August 12, 1982	July	1982	14.96%
September 13, 1982	August	1982	15.03%
October 13, 1982	September	1982	14.71%
November 12, 1982	October	1982	14.37%
December 14, 1982	November	1982	13.74%
January 12, 1983	December	1982	13.44%
February 11, 1983	January	1983	13.04%
March 14, 1983	February	1983	12.88%
April 12, 1983	March	1983	12.61%
May 13, 1983	April	1983	12.42%
June 14, 1983	May	1983	12.36%
July 13, 1983	June	1983	12.21%
August 11, 1983	July	1983	12.18%
September 13, 1983	August	1983	12.25%
October 17, 1983	September	1983	12.38%
November 15, 1983	October	1983	12.19%
December 12, 1983	November	1983	12.11%
January 13, 1984	December	1983	11.94%
February 10, 1984	January	1984	11.70%
March 13, 1984	February	1984	11.73%
April 11, 1984	March	1984	11.69%
May 11, 1984	April	1984	11.61%
June 11, 1984	May	1984	11.63%
July 12, 1984	June	1984	11.79%
August 10, 1984	July	1984	12.03%
September 12, 1984	August	1984	12.24%
October 11, 1984	September	1984	12.43%
November 15, 1984	October	1984	12.52%
December 11, 1984	November	1984	12.38%
January 14, 1985	December	1984	12.26%
February 11, 1985	January	1985	12.09%
March 13, 1985	February	1985	11.90%
April 10, 1985	March	1985	11.72%
May 10, 1985	April	1985	11.62%

**National Average Contract Mortgage Rate
for the Purchase of Previously Occupied Homes
by Combined Lenders**

Announcement Date	Index Month	Year	Rate
June 11, 1985	May	1985	11.62%
July 12, 1985	June	1985	11.29%
August 12, 1985	July	1985	11.02%
September 13, 1985	August	1985	10.87%
October 11, 1985	September	1985	10.76%
November 13, 1985	October	1985	10.86%
December 12, 1985	November	1985	10.80%
January 13, 1986	December	1985	10.70%
February 10, 1986	January	1986	10.40%
March 12, 1986	February	1986	10.46%
April 10, 1986	March	1986	10.24%
May 12, 1986	April	1986	10.00%
June 11, 1986	May	1986	9.80%
July 11, 1986	June	1986	9.83%
August 11, 1986	July	1986	9.88%
September 11, 1986	August	1986	9.88%
October 14, 1986	September	1986	9.71%
November 12, 1986	October	1986	9.59%
December 12, 1986	November	1986	9.48%
January 13, 1987	December	1986	9.29%
February 12, 1987	January	1987	9.19%
March 13, 1987	February	1987	8.89%
April 15, 1987	March	1987	8.80%
May 15, 1987	April	1987	8.79%
June 15, 1987	May	1987	8.93%
July 15, 1987	June	1987	9.02%
August 14, 1987	July	1987	9.05%
September 11, 1987	August	1987	9.05%
October 15, 1987	September	1987	8.91%
November 13, 1987	October	1987	8.86%
December 15, 1987	November	1987	8.89%
January 15, 1988	December	1987	8.86%
February 16, 1988	January	1988	8.92%
March 15, 1988	February	1988	8.84%
April 15, 1988	March	1988	8.84%
May 16, 1988	April	1988	8.93%
June 15, 1988	May	1988	8.90%
July 15, 1988	June	1988	8.98%
August 15, 1988	July	1988	8.98%
September 15, 1988	August	1988	9.00%
October 14, 1988	September	1988	8.98%
November 16, 1988	October	1988	9.11%
December 13, 1988	November	1988	9.16%
January 17, 1988	December	1988	9.31%
February 15, 1989	January	1989	9.31%
March 15, 1989	February	1989	9.44%
April 14, 1989	March	1989	9.62%
May 15, 1989	April	1989	9.76%
June 13, 1989	May	1989	10.13%
July 14, 1989	June	1989	10.27%
August 15, 1989	July	1989	10.10%
September 15, 1989	August	1989	9.81%
October 16, 1989	September	1989	9.82%
November 16, 1989	October	1989	9.86%
December 18, 1989	November	1989	9.80%
January 16, 1990	December	1989	9.69%
February 15, 1990	January	1990	9.68%
March 15, 1990	February	1990	9.74%
April 16, 1990	March	1990	9.74%
May 16, 1990	April	1990	9.82%
June 16, 1990	May	1990	9.83%
July 18, 1990	June	1990	9.85%
August 15, 1990	July	1990	9.85%
September 14, 1990	August	1990	9.70%

**National Average Contract Mortgage Rate
for the Purchase of Previously Occupied Homes
by Combined Lenders**

Announcement Date	Index Month	Year	Rate
October 16, 1990	September	1990	9.70%
November 15, 1990	October	1990	9.67%
December 17, 1990	November	1990	9.69%
January 18, 1991	December	1990	9.58%
February 21, 1991	January	1991	9.54%
March 15, 1991	February	1991	9.49%
April 17, 1991	March	1991	9.26%
May 17, 1991	April	1991	9.24%
June 21, 1991	May	1991	9.23%
July 17, 1991	June	1991	9.12%
August 21, 1991	July	1991	9.12%
September 23, 1991	August	1991	9.10%
October 18, 1991	September	1991	8.93%
November 21, 1991	October	1991	8.78%
December 24, 1991	November	1991	8.43%
January 24, 1992	December	1991	8.25%
February 25, 1992	January	1992	8.02%
March 26, 1992	February	1992	8.15%
April 27, 1992	March	1992	8.14%
May 26, 1992	April	1992	8.26%
June 26, 1992	May	1992	8.20%
July 27, 1992	June	1992	8.04%
August 24, 1992	July	1992	7.78%
September 25, 1992	August	1992	7.58%
October 27, 1992	September	1992	7.44%
November 30, 1992	October	1992	7.40%
December 24, 1992	November	1992	7.49%
January 27, 1993	December	1992	7.53%
February 26, 1993	January	1993	7.49%
March 26, 1993	February	1993	7.28%
April 27, 1993	March	1993	7.17%
May 25, 1993	April	1993	7.06%
June 25, 1993	May	1993	7.08%
July 27, 1993	June	1993	7.02%
August 27, 1993	July	1993	6.95%
September 27, 1993	August	1993	6.87%
October 28, 1993	September	1993	6.75%
November 30, 1993	October	1993	6.59%
December 28, 1993	November	1993	6.60%
January 26, 1994	December	1993	6.65%
February 25, 1994	January	1994	6.73%
March 25, 1994	February	1994	6.68%
April 26, 1994	March	1994	6.84%
May 25, 1994	April	1994	7.04%
June 27, 1994	May	1994	7.33%
July 26, 1994	June	1994	7.36%
August 25, 1994	July	1994	7.49%
September 27, 1994	August	1994	7.59%
October 25, 1994	September	1994	7.57%
November 29, 1994	October	1994	7.60%
December 27, 1994	November	1994	7.56%
January 26, 1995	December	1994	7.75%
February 27, 1995	January	1995	7.77%
March 27, 1995	February	1995	8.00%
April 26, 1995	March	1995	8.09%
May 26, 1995	April	1995	7.99%
June 27, 1995	May	1995	7.87%
July 26, 1995	June	1995	7.62%
August 25, 1995	July	1995	7.56%
September 27, 1995	August	1995	7.60%
October 26, 1995	September	1995	7.61%

**National Average Contract Mortgage Rate
for the Purchase of Previously Occupied Homes
by Combined Lenders**

Announcement Date	Index Month	Year	Rate
November 29, 1995	October	1995	7.53%
December 28, 1995	November	1995	7.48%
January 26, 1996	December	1995	7.22%
February 27, 1996	January	1996	7.18%
March 26, 1996	February	1996	7.13%
April 26, 1996	March	1996	7.29%
May 29, 1996	April	1996	7.55%
June 27, 1996	May	1996	7.72%
July 26, 1996	June	1996	7.77%
August 28, 1996	July	1996	7.87%
September 27, 1996	August	1996	7.76%
October 25, 1996	September	1996	7.78%
November 27, 1996	October	1996	7.68%
December 27, 1996	November	1996	7.55%
January 28, 1997	December	1996	7.45%
February 26, 1997	January	1997	7.55%
March 26, 1997	February	1997	7.53%
April 25, 1997	March	1997	7.61%
May 28, 1997	April	1997	7.73%
June 26, 1997	May	1997	7.75%
July 28, 1997	June	1997	7.67%
August 26, 1997	July	1997	7.52%
September 25, 1997	August	1997	7.47%
October 28, 1997	September	1997	7.46%
November 26, 1997	October	1997	7.37%
December 24, 1997	November	1997	7.34%
January 28, 1998	December	1997	7.26%
February 26, 1998	January	1998	7.12%
March 26, 1998	February	1998	7.06%
April 27, 1998	March	1998	7.07%
May 27, 1998	April	1998	7.09%
June 26, 1998	May	1998	7.08%
July 27, 1998	June	1998	7.06%
August 26, 1998	July	1998	7.01%
September 25, 1998	August	1998	6.98%
October 27, 1998	September	1998	6.88%
November 25, 1998	October	1998	6.74%
December 24, 1998	November	1998	6.77%
January 27, 1999	December	1998	6.76%
February 25, 1999	January	1999	6.77%
March 25, 1999	February	1999	6.82%
April 27, 1999	March	1999	6.91%
May 26, 1999	April	1999	6.94%
June 25, 1999	May	1999	6.96%
July 27, 1999	June	1999	7.14%
August 26, 1999	July	1999	7.35%
September 27, 1999	August	1999	7.48%
October 27, 1999	September	1999	7.57%
November 29, 1999	October	1999	7.56%
December 27, 1999	November	1999	7.56%
January 26, 2000	December	1999	7.55%
February 25, 2000	January	2000	7.79%
March 27, 2000	February	2000	7.95%
April 27, 2000	March	2000	8.01%
May 26, 2000	April	2000	8.00%
June 27, 2000	May	2000	8.08%
July 27, 2000	June	2000	8.17%

**National Average Contract Mortgage Rate
for the Purchase of Previously Occupied Homes
by Combined Lenders**

Announcement Date	Index Month	Year	Rate
August 29, 2000	July	2000	8.09%
September 27, 2000	August	2000	8.00%
October 26, 2000	September	2000	7.89%
November 28, 2000	October	2000	7.81%
December 26, 2000	November	2000	7.73%
January 26, 2001	December	2000	7.59%
February 27, 2001	January	2001	7.25%
March 27, 2001	February	2001	7.10%
April 26, 2001	March	2001	7.02%
May 25, 2001	April	2001	7.01%
June 26, 2001	May	2001	7.08%
July 26, 2001	June	2001	7.10%
August 28, 2001	July	2001	7.10%
September 26, 2001	August	2001	6.99%
October 28, 2001	September	2001	6.86%
November 28, 2001	October	2001	6.66%
December 27, 2001	November	2001	6.56%
January 25, 2002	December	2001	6.69%
February 27, 2002	January	2002	6.81%
March 27, 2002	February	2002	6.77%
April 26, 2002	March	2002	6.77%
May 28, 2002	April	2002	6.88%
June 26, 2002	May	2002	6.74%
July 25, 2002	June	2002	6.62%
August 28, 2002	July	2002	6.48%
September 27, 2002	August	2002	6.32%
October 25, 2002	September	2002	6.23%
November 26, 2002	October	2002	6.09%
December 26, 2002	November	2002	6.03%
January 28, 2003	December	2002	6.04%
February 27, 2003	January	2003	5.91%
March 27, 2003	February	2003	5.88%
April 28, 2003	March	2003	5.76%
May 28, 2003	April	2003	5.68%
June 26, 2003	May	2003	5.58%
July 25, 2003	June	2003	5.36%
August 26, 2003	July	2003	5.34%
September 25, 2003	August	2003	5.61%
October 27, 2003	September	2003	5.89%
November 25, 2003	October	2003	5.78%
December 23, 2003	November	2003	5.79%
January 28, 2004	December	2003	5.74%
February 26, 2004	January	2004	5.63%
March 26, 2004	February	2004	5.69%
April 26, 2004	March	2004	5.43%
May 28, 2004	April	2004	5.37%
June 25, 2004	May	2004	5.73%
July 28, 2004	June	2004	5.96%
August 26, 2004	July	2004	5.88%
September 28, 2004	August	2004	5.77%
October 26, 2004	September	2004	5.63%
November 30, 2004	October	2004	5.64%
December 28, 2004	November	2004	5.65%
January 26, 2005	December	2004	5.71%
February 24, 2005	January	2005	5.72%
March 25, 2005	February	2005	5.68%
April 26, 2005	March	2005	5.76%
May 25, 2005	April	2005	5.86%
June 29, 2005	May	2005	5.80%
July 26, 2005	June	2005	5.65%
August 30, 2005	July	2005	5.68%
September 27, 2005	August	2005	5.83%
October 25, 2005	September	2005	5.85%
November 29, 2005	October	2005	5.98%

**National Average Contract Mortgage Rate
for the Purchase of Previously Occupied Homes
by Combined Lenders**

Announcement Date	Index Month	Year	Rate
December 28, 2005	November	2005	6.22%
January 25, 2006	December	2005	6.29%
February 27, 2006	January	2006	6.30%
March 27, 2006	February	2006	6.31%
April 25, 2006	March	2006	6.43%
May 30, 2006	April	2006	6.50%
June 27, 2006	May	2006	6.61%
July 25, 2006	June	2006	6.65%
August 29, 2006	July	2006	6.77%
September 27, 2006	August	2006	6.75%
October 26, 2006	September	2006	6.59%
November 28, 2006	October	2006	6.54%
December 28, 2006	November	2006	6.45%
January 25, 2007	December	2006	6.40%
February 27, 2007	January	2007	6.37%
March 27, 2007	February	2007	6.40%
April 26, 2007	March	2007	6.33%
May 24, 2007	April	2007	6.28%
June 26, 2007	May	2007	6.37%
July 25, 2007	June	2007	6.58%
August 28, 2007	July	2007	6.74%
September 25, 2007	August	2007	6.73%
October 25, 2007	September	2007	6.59%
November 27, 2007	October	2007	6.50%
December 27, 2007	November	2007	6.35%
January 24, 2008	December	2007	6.23%
February 26, 2008	January	2008	5.97%
March 25, 2008	February	2008	5.87%
April 24, 2008	March	2008	6.03%
May 27, 2008	April	2008	5.97%
June 25, 2008	May	2008	6.04%
July 24, 2008	June	2008	6.23%
August 28, 2008	July	2008	6.41%
September 25, 2008	August	2008	6.46%
October 28, 2008	September	2008	6.17%
November 25, 2008	October	2008	6.16%
December 30, 2008	November	2008	6.18%
January 27, 2009	December	2008	5.51%
February 26, 2009	January	2009	5.12%
March 26, 2009	February	2009	5.04%
April 28, 2009	March	2009	5.06%
May 28, 2009	April	2009	4.88%
June 25, 2009	May	2009	4.88%
July 28, 2009	June	2009	5.09%
August 27, 2009	July	2009	5.26%
September 29, 2009	August	2009	5.25%
October 27, 2009	September	2009	5.16%
November 24, 2009	October	2009	5.02%
December 24, 2009	November	2009	5.01%
January 26, 2010	December	2009	4.92%
February 25, 2010	January	2010	5.01%
March 30, 2010	February	2010	5.05%
April 27, 2010	March	2010	4.99%
May 27, 2010	April	2010	5.02%
June 24, 2010	May	2010	4.99%
July 27, 2010	June	2010	4.91%

**National Average Contract Mortgage Rate
for the Purchase of Previously Occupied Homes
by Combined Lenders**

Announcement Date	Index Month	Year	Rate
August 26, 2010	July	2010	4.78%
September 28, 2010	August	2010	4.65%
October 28, 2010	September	2010	4.55%
November 23, 2010	October	2010	4.49%
December 28, 2010	November	2010	4.42%
January 27, 2011	December	2010	4.58%
February 24, 2011	January	2011	4.71%
March 29, 2011	February	2011	4.79%
April 26, 2011	March	2011	4.84%
May 26, 2011	April	2011	4.80%
June 28, 2011	May	2011	4.74%
July 27, 2011	June	2011	4.62%
August 30, 2011	July	2011	4.57%
September 27, 2011	August	2011	4.56%
October 27, 2011	September	2011	4.38%
November 22, 2011	October	2011	4.19%
December 22, 2011	November	2011	4.22%
January 26, 2012	December	2011	4.15%
February 28, 2012	January	2012	4.25%
March 27, 2012	February	2012	4.08%
April 26, 2012	March	2012	3.90%
May 29, 2012	April	2012	3.93%
June 26, 2012	May	2012	3.78%
July 26, 2012	June	2012	3.67%
August 28, 2012	July	2012	3.66%
September 27, 2012	August	2012	3.56%
October 30, 2012	September	2012	3.56%
November 29, 2012	October	2012	3.44%
December 27, 2012	November	2012	3.36%
January 29, 2013	December	2012	3.29%
February 26, 2013	January	2013	3.35%
March 28, 2013	February	2013	3.43%
April 25, 2013	March	2013	3.54%
May 30, 2013	April	2013	3.56%
June 27, 2013	May	2013	3.40%
July 30, 2013	June	2013	3.55%
August 29, 2013	July	2013	4.01%
September 26, 2013	August	2013	4.26%
October 29, 2013	September	2013	4.38%
November 26, 2013	October	2013	4.32%
December 24, 2013	November	2013	4.21%
January 30, 2014	December	2013	4.25%
February 27, 2014	January	2014	4.37%
March 27, 2014	February	2014	4.30%
April 29, 2014	March	2014	4.22%
May 29, 2014	April	2014	4.24%
June 26, 2014	May	2014	4.18%
July 31, 2014	June	2014	4.08%
August 28, 2014	July	2014	4.09%
September 30, 2014	August	2014	4.08%
October 30, 2014	September	2014	4.06%
November 25, 2014	October	2014	4.11%
December 30, 2014	November	2014	4.00%
January 29, 2015	December	2014	3.98%
February 26, 2015	January	2015	3.88%
March 26, 2015	February	2015	3.77%
April 28, 2015	March	2015	3.80%
May 28, 2015	April	2015	3.78%
June 25, 2015	May	2015	3.75%
July 30, 2015	June	2015	3.85%
August 27, 2015	July	2015	4.02%
September 29, 2015	August	2015	3.99%
October 29, 2015	September	2015	3.93%
November 24, 2015	October	2015	3.89%

**National Average Contract Mortgage Rate
for the Purchase of Previously Occupied Homes
by Combined Lenders**

Announcement Date	Index Month	Year	Rate
December 30, 2015	November	2015	3.85%
January 28, 2016	December	2015	3.97%
February 25, 2016	January	2016	3.98%
March 29, 2016	February	2016	3.88%
April 28, 2016	March	2016	3.73%
May 26, 2016	April	2016	3.75%
June 29, 2016	May	2016	3.70%
July 27, 2016	June	2016	3.69%
August 30, 2016	July	2016	3.62%
September 28, 2016	August	2016	3.58%
October 27, 2016	September	2016	3.61%
November 29, 2016	October	2016	3.62%
December 27, 2016	November	2016	3.66%
January 26, 2017	December	2016	4.00%
February 28, 2017	January	2017	4.22%
March 28, 2017	February	2017	4.27%
April 27, 2017	March	2017	4.12%
May 30, 2017	April	2017	3.97%
June 29, 2017	May	2017	3.87%
July 27, 2017	June	2017	4.00%
August 29, 2017	July	2017	3.99%
September 28, 2017	August	2017	4.05%
October 26, 2017	September	2017	4.00%
November 29, 2017	October	2017	3.98%
December 28, 2017	November	2017	4.05%
January 25, 2018	December	2017	4.08%
February 27, 2018	January	2018	4.12%
March 27, 2018	February	2018	4.28%
April 26, 2018	March	2018	4.49%
May 29, 2018	April	2018	4.51%
June 26, 2018	May	2018	4.57%
July 26, 2018	June	2018	4.59%
August 28, 2018	July	2018	4.60%
September 27, 2018	August	2018	4.63%

Historical Index Report values are included in this table. This index is among those that federally chartered savings institutions may use in changing rates on adjustable mortgage loans made in accordance with Office of Thrift Supervision Regulation §560.35. Information about other permissible indices can be obtained from other sources.

Every effort has been made to obtain the most complete and accurate information possible prior to the publication of Index Report values. However, the Bank assumes no liability for any error in these values, regardless of cause. The Bank assumes no responsibility for any errors contained in Index Report information due to inaccurate data supplied from members, faulty calculations, or other problems with the collection and analysis of the information necessary to generate this report. This information is provided solely as a convenience for the members of the Bank.