

Seasonal Indexes Used to Adjust Housing Units Authorized in Permit-Issuing Places

Month	United States ¹	In structures with ----						All units			
		1 unit				2 to 4 units	5 units or more	Northeast	Midwest	South	West
		Northeast	Midwest	South	West						
Jan 1996	76.4	62.3	52.0	87.7	79.3	72.6	81.1	67.9	54.7	86.4	79.8
Feb 1996	81.1	61.8	67.0	93.6	84.3	80.2	76.9	63.0	64.2	90.1	85.0
Mar 1996	100.6	95.8	99.7	107.5	103.8	98.3	88.3	95.5	97.0	106.6	103.0
Apr 1996	114.9	121.5	127.8	116.6	114.3	114.0	99.3	117.0	123.1	114.3	110.4
May 1996	115.7	129.7	128.9	113.8	117.7	111.6	102.1	123.6	125.9	112.5	112.7
Jun 1996	110.4	117.8	117.5	104.9	112.7	114.0	107.3	117.8	113.5	103.2	113.3
Jul 1996	111.8	120.7	121.5	108.3	113.2	103.6	106.6	117.2	117.3	106.2	113.0
Aug 1996	109.6	112.8	115.9	107.8	108.9	105.8	107.9	113.7	116.4	105.5	107.3
Sep 1996	104.4	102.1	104.9	95.8	99.6	106.0	122.4	101.5	109.0	102.3	102.2
Oct 1996	109.3	113.1	116.1	103.2	107.0	123.9	110.9	113.8	121.5	102.5	108.9
Nov 1996	85.6	89.9	83.2	83.7	79.4	93.2	91.6	91.8	88.6	84.5	81.5
Dec 1996	84.4	75.7	68.4	80.8	82.3	79.8	104.6	79.5	72.4	89.9	85.0
Jan 1997	76.5	64.4	51.5	88.0	78.3	73.3	81.6	68.2	53.7	88.3	80.3
Feb 1997	78.1	59.9	63.3	89.6	80.7	76.4	76.4	62.9	62.5	87.7	81.4
Mar 1997	100.4	91.8	99.0	106.9	105.9	98.4	91.8	92.9	97.9	103.8	103.4
Apr 1997	115.9	119.0	127.9	115.7	116.6	114.7	105.9	116.5	122.2	113.3	111.2
May 1997	111.7	122.8	127.0	111.3	112.7	106.3	97.3	116.4	121.5	108.0	106.9
Jun 1997	114.4	118.6	120.7	108.8	117.6	117.0	112.7	118.5	116.3	109.6	118.6
Jul 1997	111.5	122.1	121.5	109.2	113.0	106.9	103.5	118.3	116.1	106.7	112.2
Aug 1997	104.4	109.4	108.9	101.0	102.1	101.2	106.7	110.0	110.5	102.7	101.4
Sep 1997	107.9	108.6	112.0	101.7	104.1	109.3	116.8	108.1	114.1	105.9	108.3
Oct 1997	108.5	112.6	113.9	102.4	105.7	120.8	112.0	113.4	120.2	103.6	109.7
Nov 1997	82.0	88.0	81.0	78.8	77.1	88.1	89.2	89.1	85.4	80.4	77.0
Dec 1997	87.7	81.9	71.1	85.5	86.0	88.3	107.9	85.4	78.5	88.8	90.5
Jan 1998	74.2	63.6	50.2	85.1	76.4	68.4	81.2	66.8	52.6	84.8	77.9
Feb 1998	78.2	60.7	63.9	90.5	81.1	77.3	77.3	63.2	63.4	87.4	82.3
Mar 1998	105.4	97.3	105.0	112.0	110.5	102.1	96.3	99.2	103.5	111.4	104.3
Apr 1998	113.5	116.3	126.8	114.7	116.6	112.9	98.3	113.2	122.9	111.1	112.3
May 1998	106.7	119.3	119.9	105.5	108.4	98.2	94.6	113.1	114.3	103.4	103.2
Jun 1998	118.7	126.6	129.2	115.4	122.3	123.8	109.3	125.3	121.9	114.4	125.3
Jul 1998	111.3	120.4	118.5	108.6	113.4	102.9	107.7	116.7	113.5	107.7	112.7
Aug 1998	105.0	107.5	110.5	102.6	103.5	102.8	106.1	108.2	111.4	100.9	103.0
Sep 1998	107.9	106.8	110.4	99.7	103.8	111.1	122.5	107.4	113.2	104.7	106.5
Oct 1998	104.6	108.2	110.9	98.4	99.6	116.0	109.0	108.6	115.1	100.2	103.0
Nov 1998	86.0	90.3	84.8	82.5	80.3	93.7	94.0	92.1	90.3	85.5	80.3
Dec 1998	85.7	83.1	69.7	85.1	84.1	91.1	102.1	86.3	78.8	89.5	90.6
Jan 1999	73.2	62.8	47.5	81.4	74.4	64.9	83.0	65.8	50.8	82.4	75.3
Feb 1999	80.0	64.6	65.1	91.7	81.0	78.5	78.7	67.0	66.3	88.5	83.1
Mar 1999	111.4	106.2	110.0	118.6	117.4	108.5	99.0	103.4	109.7	114.3	111.4
Apr 1999	113.8	118.0	128.4	113.9	113.5	110.2	100.8	112.8	120.8	113.7	109.7
May 1999	106.1	117.0	119.8	105.7	110.4	100.0	88.7	109.1	114.9	101.6	103.6
Jun 1999	119.4	124.8	126.0	114.3	124.2	121.5	115.8	127.9	122.6	112.8	126.1
Jul 1999	106.3	113.6	114.4	104.1	106.7	99.9	101.8	111.4	107.9	103.1	107.8
Aug 1999	109.1	111.7	115.2	106.8	105.4	107.7	110.3	112.9	116.9	108.0	105.3
Sep 1999	106.2	105.3	109.8	99.3	103.9	109.3	117.5	105.9	115.8	103.4	106.4
Oct 1999	100.1	102.8	105.8	93.0	93.7	111.1	108.3	104.3	108.8	96.3	96.0
Nov 1999	90.2	93.0	90.1	87.6	84.1	100.2	96.1	96.0	92.9	89.1	84.8
Dec 1999	86.2	81.5	69.3	84.2	85.1	89.1	104.6	84.5	72.6	89.3	90.9
Jan 2000	74.6	64.4	55.3	82.8	77.5	67.8	78.7	65.8	53.7	81.9	76.4
Feb 2000	86.4	69.1	70.5	97.7	85.5	83.8	87.5	70.2	71.0	95.4	87.4
Mar 2000	111.7	105.8	108.7	117.6	115.7	108.7	103.9	104.4	107.6	115.4	112.0
Apr 2000	104.3	107.4	117.2	104.4	107.5	101.4	91.0	105.8	112.0	101.8	102.4
May 2000	115.8	126.4	128.8	116.3	121.1	111.5	95.7	117.6	125.1	110.7	113.6
Jun 2000	118.4	124.4	123.7	114.8	119.7	121.6	116.0	124.9	119.4	115.4	124.4
Jul 2000	101.0	108.7	108.2	98.9	103.6	94.3	95.2	106.4	105.6	96.4	102.2
Aug 2000	113.5	116.6	119.4	111.8	113.0	113.1	111.3	118.5	121.0	109.6	112.6

Seasonal Indexes Used to Adjust Housing Units Authorized in Permit-Issuing Places

Month	United States ¹	In structures with ----						All units			
		1 unit				2 to 4 units	5 units or more	Northeast	Midwest	South	West
		Northeast	Midwest	South	West						
Sep 2000	100.4	100.6	102.2	93.5	96.5	102.8	113.8	101.8	106.2	99.9	100.0
Oct 2000	102.5	106.9	110.5	96.8	97.1	115.0	107.2	107.1	115.5	100.2	99.1
Nov 2000	89.9	92.9	88.1	86.7	84.8	95.9	98.8	97.1	94.9	88.0	85.4
Dec 2000	80.1	75.6	66.6	76.7	76.9	82.1	99.6	80.0	67.9	82.9	82.5
Jan 2001	82.7	70.1	62.6	91.3	85.4	75.2	85.8	71.3	63.8	90.0	84.7
Feb 2001	82.8	66.7	66.4	92.8	82.1	79.9	85.8	66.5	68.4	90.8	84.1
Mar 2001	106.8	99.5	104.9	113.6	110.4	102.0	97.7	98.9	102.5	111.3	107.3
Apr 2001	107.0	111.0	119.9	108.5	109.2	105.9	91.0	107.0	114.7	105.0	105.0
May 2001	115.1	124.9	128.7	115.6	120.4	111.5	97.1	120.4	124.8	111.3	112.6
Jun 2001	113.6	120.3	118.8	109.9	116.1	116.0	110.2	120.5	113.3	109.0	119.5
Jul 2001	105.6	113.8	112.3	103.9	105.6	99.2	101.0	112.8	111.5	104.0	103.0
Aug 2001	112.5	117.2	115.5	110.6	111.0	112.7	112.8	116.7	113.6	110.0	111.0
Sep 2001	96.0	97.3	99.4	89.0	93.5	99.8	106.3	98.5	101.2	93.5	96.5
Oct 2001	107.4	112.1	114.9	101.0	104.7	119.0	111.9	111.4	120.1	102.8	107.1
Nov 2001	90.4	92.5	88.9	87.6	82.9	95.0	101.6	96.5	92.6	90.8	84.8
Dec 2001	81.2	76.6	68.8	77.8	79.9	83.4	98.2	79.6	74.5	81.6	84.9
Jan 2002	83.4	70.1	63.7	92.7	86.4	78.2	86.4	72.9	64.4	90.9	85.7
Feb 2002	82.2	65.4	65.6	92.2	82.6	79.5	84.7	65.9	66.4	91.3	84.2
Mar 2002	101.6	94.4	98.7	106.9	103.5	97.4	96.2	95.3	97.1	107.0	101.4
Apr 2002	112.2	115.6	126.2	114.8	114.4	113.1	92.1	112.2	120.3	109.9	109.3
May 2002	114.8	124.8	125.3	113.9	118.5	108.4	103.3	119.4	119.5	111.9	112.9
Jun 2002	107.9	112.3	114.2	104.4	110.3	113.8	103.9	115.8	111.3	103.2	115.3
Jul 2002	110.0	118.8	117.5	108.3	112.9	102.9	102.6	116.9	114.9	106.2	109.1
Aug 2002	108.8	112.5	112.9	108.3	106.9	108.9	107.0	112.7	111.4	107.2	107.0
Sep 2002	99.5	103.4	103.1	92.8	96.3	103.3	109.3	99.6	106.8	96.8	98.9
Oct 2002	108.7	112.7	117.1	101.8	105.5	117.3	114.2	113.4	121.7	103.9	106.7
Nov 2002	85.9	89.9	86.0	82.7	80.3	91.1	96.0	92.8	89.8	85.4	82.3
Dec 2002	85.9	81.0	72.1	83.1	82.7	86.7	104.0	84.9	79.4	87.9	86.4
Jan 2003	83.9	71.3	62.8	92.9	85.3	75.3	90.4	73.7	61.4	92.5	85.5
Feb 2003	83.1	66.7	68.4	91.4	83.6	79.0	84.4	69.9	67.3	91.8	84.4
Mar 2003	101.3	93.9	99.0	107.3	104.8	97.4	91.5	92.3	96.3	104.6	102.7
Apr 2003	111.5	114.5	124.1	112.2	116.0	112.6	93.2	110.7	118.1	107.6	110.5
May 2003	110.9	119.5	120.9	110.5	113.6	108.8	98.8	115.3	115.8	109.2	109.7
Jun 2003	112.5	119.2	117.6	110.4	114.2	114.3	107.2	119.4	116.4	108.9	117.2
Jul 2003	110.2	119.2	117.8	108.2	113.4	101.0	101.6	115.9	114.6	106.5	108.7
Aug 2003	103.7	105.7	107.6	102.6	100.6	103.1	105.1	107.3	108.6	103.1	101.0
Sep 2003	103.5	107.8	109.8	98.1	101.2	110.8	107.8	104.7	114.4	100.2	103.6
Oct 2003	109.0	112.4	115.0	101.8	103.6	116.2	121.3	113.0	119.8	104.6	106.1
Nov 2003	81.6	85.9	81.5	77.3	76.7	86.7	94.2	89.1	85.3	80.0	78.8
Dec 2003	89.3	83.7	75.3	86.7	88.5	92.8	107.3	89.9	82.5	89.4	93.5
Jan 2004	81.2	68.8	61.0	89.9	82.3	74.6	85.4	70.3	59.5	90.7	83.4
Feb 2004	83.7	67.7	69.1	91.5	83.8	78.6	87.9	68.5	70.2	92.0	83.5
Mar 2004	110.8	101.6	106.9	116.6	114.0	109.8	100.6	100.8	106.1	113.3	111.7
Apr 2004	111.6	115.4	122.5	112.9	113.2	110.5	96.8	110.9	116.1	110.3	110.1
May 2004	105.1	113.8	113.4	103.7	108.8	100.0	95.8	111.6	109.1	102.2	104.5
Jun 2004	117.1	123.5	122.9	115.0	119.8	125.5	108.8	124.1	119.4	113.3	121.2
Jul 2004	105.6	114.0	112.8	104.4	107.9	98.1	99.7	112.3	108.9	104.2	105.9
Aug 2004	108.1	112.8	113.4	107.7	105.8	110.9	105.3	110.3	115.4	107.7	104.1
Sep 2004	102.8	106.7	108.5	97.0	104.1	103.6	107.6	105.7	110.0	97.1	106.6
Oct 2004	99.9	103.3	107.6	93.6	93.3	105.5	110.4	102.4	111.2	97.0	95.3
Nov 2004	90.3	94.6	90.7	87.0	84.3	100.4	98.8	97.5	98.1	88.3	86.9
Dec 2004	89.5	82.4	76.3	86.6	87.8	89.9	109.5	90.5	80.4	90.4	92.6
Jan 2005	78.4	66.4	57.4	85.2	78.3	71.5	83.1	68.9	58.7	85.2	79.1
Feb 2005	84.8	66.8	69.1	92.3	85.6	80.1	87.0	69.7	69.7	91.8	86.7
Mar 2005	110.9	103.7	109.1	116.5	116.3	109.3	97.3	98.7	104.5	114.1	111.3
Apr 2005	107.8	109.3	118.3	108.6	110.5	106.3	96.5	107.1	113.3	106.6	108.1
May 2005	111.1	121.1	121.5	110.0	113.8	109.3	99.0	115.3	116.8	108.9	107.7
Jun 2005	116.8	122.6	121.9	114.7	122.1	119.9	109.0	123.5	117.5	111.9	122.8
Jul 2005	101.0	108.7	107.9	98.8	100.8	95.7	99.5	108.3	106.4	100.0	99.6
Aug 2005	112.5	114.9	117.8	112.1	112.1	115.7	108.7	116.1	121.2	110.0	110.0
Sep 2005	102.7	108.2	108.6	97.6	100.6	106.5	110.1	105.3	109.4	99.6	104.8

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Month	United States ¹	In structures with ----						All units			
		1 unit				2 to 4 units	5 units or more				
		Northeast	Midwest	South	West			Northeast	Midwest	South	West
Oct 2005	97.3	103.4	107.0	92.7	92.6	102.2	103.9	101.2	109.3	93.8	94.6
Nov 2005	88.1	93.2	90.1	85.2	83.0	95.1	95.7	96.6	95.4	86.1	85.4
Dec 2005	85.7	79.0	70.2	84.2	82.6	86.7	104.8	87.1	76.2	88.3	88.4
Jan 2006	82.8	71.3	60.4	89.6	80.2	78.4	90.1	71.9	63.1	91.8	80.5
Feb 2006	84.6	66.5	65.5	92.3	86.1	80.4	86.3	69.5	70.3	91.3	87.8
Mar 2006	110.0	104.1	105.3	116.4	115.6	108.3	99.2	99.0	101.8	114.9	113.2
Apr 2006	101.3	104.5	111.8	103.0	104.8	96.4	89.1	101.8	108.0	100.4	99.6
May 2006	116.1	123.7	128.4	115.2	122.5	114.6	103.0	117.5	123.0	112.5	116.2
Jun 2006	118.4	124.7	124.7	116.7	122.6	116.4	113.4	124.2	120.3	116.3	121.7
Jul 2006	100.7	109.0	108.8	99.2	103.5	103.1	94.2	109.9	106.3	97.9	99.3
Aug 2006	112.3	117.2	119.6	112.3	112.1	114.6	107.0	114.8	119.8	109.5	108.8
Sep 2006	99.0	101.8	105.6	93.2	95.5	100.6	108.0	101.6	107.3	94.1	102.5
Oct 2006	101.7	109.9	114.1	96.5	95.4	104.3	106.8	105.9	113.7	97.5	97.8
Nov 2006	87.1	88.9	90.3	83.8	82.3	94.3	94.3	95.6	91.2	85.1	85.9
Dec 2006	83.2	76.4	64.3	79.4	76.3	85.2	106.3	84.9	72.0	86.7	83.2
Jan 2007	84.2	74.5	60.8	89.7	81.9	87.0	90.2	78.3	65.0	91.5	84.6
Feb 2007	84.2	65.3	63.5	91.8	83.2	82.4	85.4	68.1	65.6	90.7	86.9
Mar 2007	104.8	98.1	98.7	112.3	108.3	109.3	93.9	94.1	96.4	110.4	107.6
Apr 2007	106.9	111.9	118.1	110.4	110.7	102.8	92.6	107.8	112.5	105.7	104.5
May 2007	117.4	121.5	132.7	118.7	125.5	113.0	103.5	114.3	124.4	112.8	116.4
Jun 2007	115.7	117.0	120.6	113.6	122.6	108.4	112.6	121.6	117.1	111.3	119.3
Jul 2007	108.0	117.8	117.1	107.1	109.6	110.7	101.0	115.6	115.8	107.3	102.7
Aug 2007	114.5	120.3	118.4	113.1	113.3	110.3	114.6	114.6	117.3	113.7	112.9
Sep 2007	95.7	99.3	102.8	89.5	93.6	93.9	101.2	98.1	104.3	91.2	95.6
Oct 2007	104.5	112.7	118.5	98.6	99.8	102.0	107.7	111.8	116.3	98.5	103.8
Nov 2007	87.8	88.7	88.0	81.5	78.7	96.7	97.3	92.6	95.1	85.0	86.7
Dec 2007	81.3	75.5	63.7	75.0	74.2	83.9	98.3	85.5	70.1	82.3	80.8
Jan 2008	84.3	74.7	60.7	88.1	80.9	87.2	90.6	76.0	66.3	92.1	83.6
Feb 2008	88.7	68.2	63.7	96.7	86.0	88.2	92.7	71.0	67.2	96.2	92.6
Mar 2008	98.0	92.6	92.5	106.8	103.2	102.6	87.6	91.3	91.7	103.9	100.6
Apr 2008	110.8	115.2	126.0	115.9	116.7	109.6	96.3	112.2	121.4	109.5	109.1
May 2008	113.2	116.0	126.7	114.8	120.0	108.5	104.1	109.3	116.4	109.7	114.3
Jun 2008	113.0	118.6	120.9	114.0	123.9	105.8	108.1	122.2	117.8	111.0	116.4
Jul 2008	111.6	121.3	124.0	112.3	116.8	112.7	102.9	122.0	120.6	110.7	108.5
Aug 2008	106.8	111.1	108.3	103.7	102.4	102.5	110.6	103.3	109.7	106.6	102.9
Sep 2008	105.5	112.7	114.4	99.6	103.5	108.3	108.5	109.5	115.0	100.0	104.8
Oct 2008	104.8	111.8	118.1	97.7	98.8	98.5	109.2	109.2	112.3	99.3	105.6
Nov 2008	79.0	78.8	79.6	73.1	71.4	85.8	88.4	84.5	89.8	76.4	77.8
Dec 2008	87.7	83.0	70.3	81.3	80.9	94.7	104.2	93.7	76.9	88.6	88.2
Jan 2009	81.9	71.4	56.5	83.2	76.0	84.1	92.5	72.5	62.0	88.9	81.9
Feb 2009	82.8	64.1	59.0	92.2	82.2	83.2	85.1	68.1	63.8	90.4	87.0
Mar 2009	103.4	98.6	97.7	112.1	106.8	112.0	90.9	93.3	98.0	110.0	102.8
Apr 2009	112.1	116.1	125.6	116.0	118.8	104.2	90.7	111.5	117.1	108.8	110.2
May 2009	111.6	112.2	125.7	111.3	114.6	103.6	98.6	105.7	117.1	107.8	109.0
Jun 2009	125.2	128.1	134.4	122.9	135.1	119.7	115.7	130.9	131.9	119.3	123.2
Jul 2009	116.4	124.2	129.9	115.5	120.1	107.5	100.2	123.2	121.7	112.3	113.1
Aug 2009	108.4	113.9	115.8	106.8	106.7	102.0	106.7	109.4	111.9	107.3	102.7
Sep 2009	107.1	113.4	120.2	101.4	105.3	106.4	110.2	110.4	118.4	101.4	105.1
Oct 2009	101.1	109.4	119.4	95.8	95.8	93.3	103.8	105.7	110.5	95.8	100.0

¹Implicit seasonal index - The ratio of the unadjusted number of housing units authorized to the seasonally adjusted housing units authorized.

Note: These seasonal indexes include trading-day adjustment factors.