

#### May 2016

The May survey was the 574th in a series of Surveys of Consumers conducted by the Survey Research Center at The University of Michigan. Initiated in 1946, these periodic surveys provide regular assessments of consumer attitudes and expectations, and are used to evaluate economic trends and prospects. The surveys are designed to explore why changes in consumer attitudes and expectations occur, and how these changes influence consumer spending and saving decisions.

All surveys are subject to sampling error because not all members of the population are interviewed. Most results for the total sample will differ by no more than 5 percentage points in either direction from what would have been obtained by using the same methods on the entire population. See the back of this book for sampling error information.

While every effort is made to accurately measure consumer attitudes and expectations, factors other than sampling may also affect the accuracy of these (and other) findings. These factors may include effects of the question wording, the ability of respondents to articulate answers and opinions, refusal to participate in the survey, and incomplete coverage of the population. There are no standard measures of these effects, but their presence should be acknowledged when using these and all other survey data. While measurement effects are present in all surveys, a noted advantage of time-series data is that the non-sampling influences remain relatively constant across samples.

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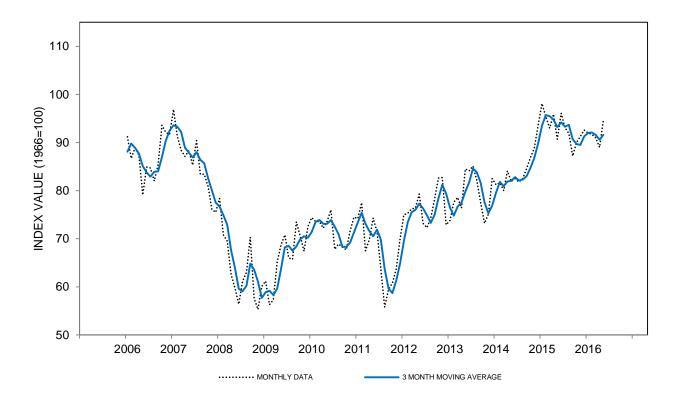
Expected Change in Home Values During the Next 5 Years

Table 47

TABLE 1
THE INDEX OF CONSUMER SENTIMENT

			Families with	Families with
DATE OF SU	DVEV	All families	incomes under	incomes over \$75,000
DATE OF 30	KVEI	All families	\$75,000	\$75,000
May	2013	84.5	80.3	94.1
June	2013	84.1	76.1	98.9
July	2013	85.1	82.4	90.0
August	2013	82.1	78.0	89.6
September	2013	77.5	72.3	86.2
October	2013	73.2	71.4	77.0
November	2013	75.1	67.9	88.7
December	2013	82.5	78.9	88.4
January	2014	81.2	75.2	91.9
February	2014	81.6	75.5	90.3
March	2014	80.0	77.6	86.2
April	2014	84.1	79.2	93.5
May	2014	81.9	76.9	88.1
June	2014	82.5	79.6	88.8
July	2014	81.8	77.9	89.4
August	2014	82.5	75.2	95.5
September	2014	84.6	79.9	92.7
October	2014	86.9	81.5	97.8
November	2014	88.8	84.1	95.2
December	2014	93.6	90.4	99.7
January	2015	98.1	93.5	105.3
February	2015	95.4	92.3	99.3
March	2015	93.0	89.8	100.2
April	2015	95.9	90.2	105.1
May	2015	90.7	86.3	100.3
June	2015	96.1	91.8	102.5
July	2015	93.1	88.3	100.9
August	2015	91.9	89.3	96.4
September	2015	87.2	84.3	92.4
October	2015	90.0	86.1	96.0
November	2015	91.3	89.1	95.3
December	2015	92.6	89.9	96.9
January	2016	92.0	89.1	96.7
February	2016	91.7	87.7	97.4
March	2016	91.0	86.2	98.5
April	2016	89.0	84.0	94.6
-	2016	94.7	90.2	101.3
May	2010	94.7	90.∠	101.3

**CHART 1: THE INDEX OF CONSUMER SENTIMENT** 



**CHART 1: THE INDEX OF CONSUMER SENTIMENT** 

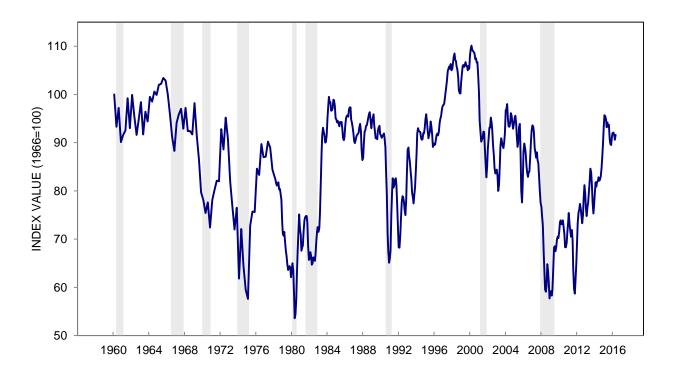


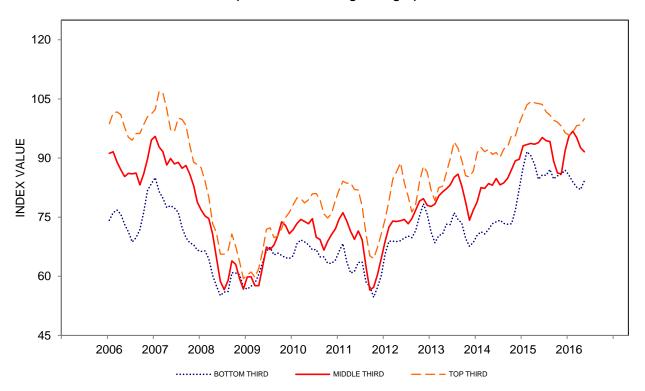
TABLE 2

THE INDEX OF CONSUMER SENTIMENT WITHIN INCOME TERCILES

#### THREE MONTH MOVING AVERAGES

		Н	ousehold Income Terciles	3
DATE OF SU	RVEY	Bottom Third	Middle Third	Top Third
May	2013	73.2	82.2	86.3
June	2013	73.1	83.2	89.9
July	2013	76.1	85.1	94.1
August	2013	74.4	85.9	92.5
September	2013	73.5	82.9	89.4
October	2013	69.6	78.8	85.5
November	2013	67.6	74.2	85.2
December	2013	68.6	76.8	86.7
January	2014	70.4	78.9	91.3
February	2014	71.3	82.5	92.7
March	2014	70.7	82.3	91.6
	2014	70.7 71.9	83.5	92.2
April May	2014	73.3	83.1	90.9
June	2014	73.8	84.8	91.4
	2014			90.2
July	2014	74.2	83.2	
August		73.4	83.7	92.3
September	2014	73.2	84.9	92.9
October	2014	73.3	87.1	95.8
November	2014	76.8	89.3	95.6
December	2014	82.2	89.7	98.8
January	2015	87.6	93.1	101.2
February	2015	91.6	93.4	103.5
March	2015	90.6	93.7	104.3
April	2015	88.4	93.5	104.0
May	2015	84.6	93.9	103.8
June	2015	85.7	95.2	103.6
July	2015	85.6	94.4	101.7
August	2015	87.1	94.2	100.9
September	2015	84.7	89.2	99.6
October	2015	85.5	86.2	99.1
November	2015	85.9	86.0	98.1
December	2015	86.9	91.9	96.4
lonuor.	2016	05.0	05.0	05.0
January	2016	85.6	95.6	95.8
February	2016	83.9	96.8	96.6
March	2016	82.6	95.2	98.2
April	2016	82.0	92.6	98.4
May	2016	84.2	91.6	100.0

CHART 2: INDEX OF CONSUMER SENTIMENT WITHIN INCOME TERCILES (Three Month Moving Averages)



**CHART 2: INDEX OF CONSUMER SENTIMENT WITHIN INCOME TERCILES** 

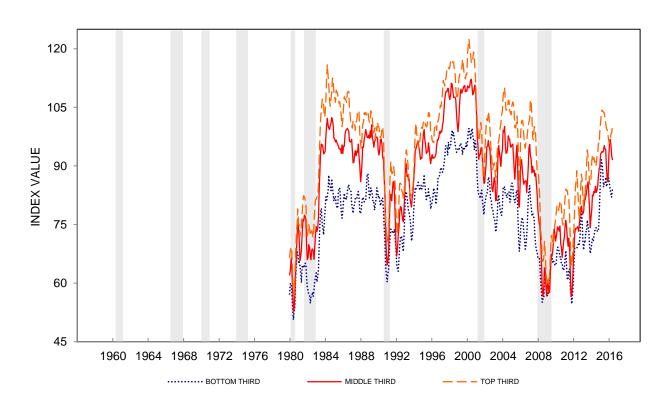


TABLE 3
THE INDEX OF CONSUMER SENTIMENT WITHIN AGE SUBGROUPS

#### THREE MONTH MOVING AVERAGES

			Age of Householder	
DATE OF SU	IRVEY	18-34	35-54	55+
Movi	2042	00.0	70.0	75.0
May	2013	96.0	78.8	75.6
June	2013	97.1	83.1	76.0
July	2013	99.9	86.8	78.1
August	2013	97.8	88.2	76.1
September	2013	98.4	83.9	73.8
October	2013	92.1	80.6	70.5
November	2013	88.9	76.4	69.8
December	2013	88.6	79.9	71.6
January	2014	92.4	81.2	74.6
February	2014	98.6	84.6	75.0
March	2014	98.0	83.7	73.4
April	2014	99.8	83.6	74.1
May	2014	97.3	81.9	75.7
June	2014	96.8	83.5	76.9
July	2014	94.2	85.5	75.5
August	2014	95.1	86.3	75.0
September	2014	97.1	85.6	75.4
October	2014	99.1	85.6	77.6
November	2014	101.8	87.9	78.9
December	2014	105.1	91.4	81.3
January	2015	109.1	95.7	84.1
February	2015	111.1	99.2	85.2
March	2015	109.9	97.2	86.1
April	2015	108.7	97.6	84.5
May	2015	106.1	95.6	83.6
June	2015	107.6	97.5	84.2
July	2015	107.5	97.5 95.5	83.8
August	2015	110.6	95.8	82.9
September	2015	107.8	92.9	79.1
October	2015	106.6	93.0	79.1 77.2
November	2015	105.1	93.0	77.2 77.2
December	2015	106.1	93.0 94.7	80.1
December	2015	100.1	94.7	60.1
January	2016	108.0	94.2	81.2
February	2016	106.7	95.0	81.8
March	2016	105.8	95.1	80.7
April	2016	102.9	95.3	79.8
May	2016	106.1	95.4	80.7

CHART 3: INDEX OF CONSUMER SENTIMENT WITHIN AGE SUBGROUPS (Three Month Moving Averages)

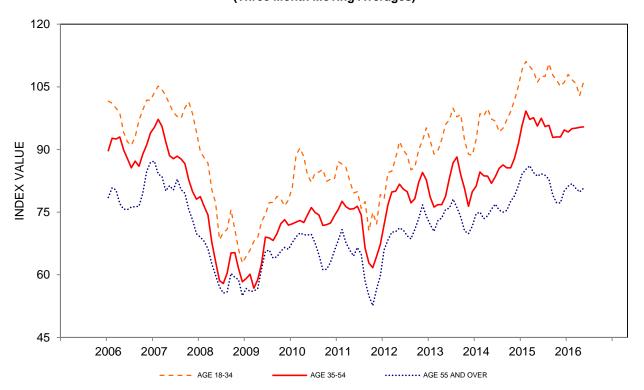


CHART 3: INDEX OF CONSUMER SENTIMENT WITHIN AGE SUBGROUPS (Three Month Moving Averages)

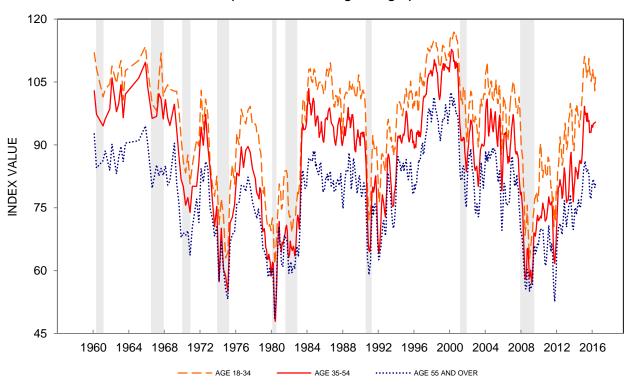


TABLE 4

THE INDEX OF CONSUMER SENTIMENT WITHIN REGIONS

#### THREE MONTH MOVING AVERAGES

Region of Residence DATE OF SURVEY North East Midwest West South 2013 82.8 82.3 76.3 80.2 May June 2013 84.0 82.8 79.4 81.7 July 2013 87.0 84.7 80.9 88.88 August 2013 83.6 82.7 81.5 89.2 September 2013 82.2 79.2 80.4 86.2 October 2013 76.1 76.7 79.6 76.4 November 2013 73.8 76.3 75.9 73.9 December 2013 74.5 78.5 77.3 76.3 January 2014 79.6 8.08 76.0 84.4 2014 82.7 79.5 84.9 **February** 81.5 March 2014 81.4 81.8 79.1 82.8 April 2014 80.3 82.8 82.3 81.4 May 2014 81.6 82.4 81.9 82.1 June 2014 83.2 83.0 81.4 84.3 July 2014 84.4 81.2 84.0 79.8 August 2014 84.0 79.5 80.5 86.8 September 2014 84.6 79.8 82.1 86.8 October 2014 85.5 82.8 83.1 89.1 November 2014 90.2 85.0 85.6 88.3 December 2014 91.9 88.7 88.6 91.4 2015 97.6 92.7 92.2 93.3 January **February** 2015 96.7 96.2 96.8 93.2 March 2015 99.8 92.2 95.4 95.9 April 2015 99.4 91.3 95.4 94.1 May 2015 92.3 92.5 90.4 99.6 June 2015 97.7 94.7 94.6 90.5 July 2015 96.5 94.8 93.6 88.88 August 2015 96.7 94.8 93.2 91.2 September 89.3 2015 94.4 91.5 89.7 October 2015 91.3 89.8 88.1 91.0 2015 November 90.7 89.2 88.1 91.1 December 2015 91.3 92.3 89.9 92.4 January 2016 92.9 94.3 90.3 91.3 **February** 2016 92.6 96.1 90.0 90.6 March 2016 92.8 94.5 89.4 90.9 April 2016 90.9 92.4 88.5 91.3

92.0

89.9

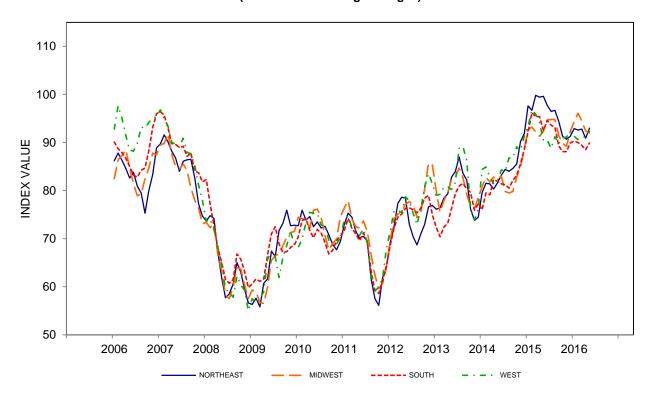
92.3

May

2016

93.0

CHART 4: INDEX OF CONSUMER SENTIMENT WITHIN REGIONS (Three Month Moving Averages)



**CHART 4: INDEX OF CONSUMER SENTIMENT WITHIN REGIONS** 

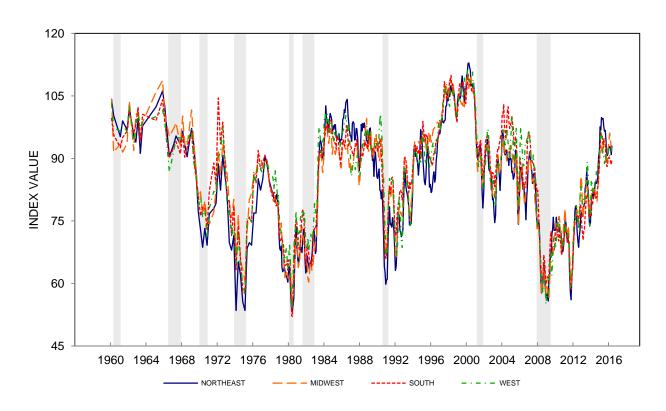


TABLE 5

COMPONENTS OF THE INDEX OF CONSUMER SENTIMENT

May

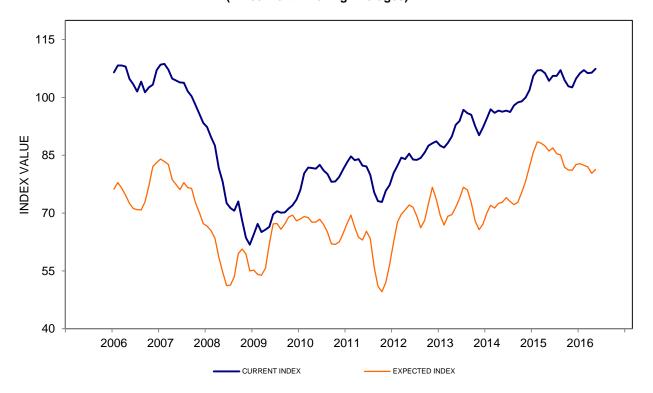
109.9

84.9

<sup>(1)</sup> See Table 6 (2) See Table 8 (3) See Table 28 (4) See Table 29 (5) See Table 35.

<sup>+:</sup> Percent saying "GOOD TIMES" (or "BETTER"), minus percent saying "BAD TIMES" (or "WORSE"), plus 100.

CHART 5: CURRENT AND EXPECTED COMPONENTS OF THE SENTIMENT INDEX (Three Month Moving Averages)



**CHART 5: CURRENT AND EXPECTED COMPONENTS OF THE SENTIMENT INDEX** 

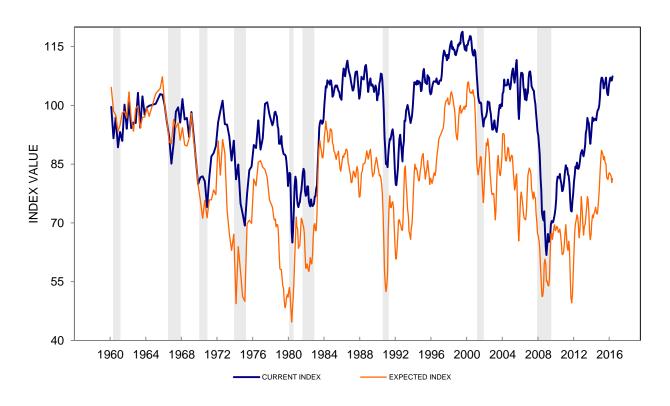


TABLE 6

CURRENT FINANCIAL SITUATION COMPARED WITH A YEAR AGO

	May 2015	Jun 2015	Jul 2015	_	•			Dec 2015		Feb 2016	Mar 2016	Apr 2016	May 2016
BETTER OFF	41%	44%	45%	45%	43%	42%	42%	44%	40%	47%	45%	45%	49%
SAME	29	31	26	30	25	27	27	25	30	24	29	27	25
WORSE OFF	30	25	29	25	32	31	31	31	30	29	26	27	26
DK, NA	*	*	*	*	*	*	*	*	*	*	*	1	*
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	111	119	116	120	111	111	111	113	110	118	119	118	123

## CURRENT FINANCIAL SITUATION COMPARED WITH A YEAR AGO - INDEX SCORE THREE MONTH MOVING AVERAGES

All	116	117	115	118	116	114	111	112	111	114	116	118	120
Age 18 to 44 Age 45 to 64	137 108	139 109	140 107	143 110	140 107	137 107	135 102	135 105	139 102	138 110	144 108	143 112	146 111
Age 65+	91	91	88	91	87	83	81	79	78	76	78	86	90
Income Bottom Third	95	96	96	101	99	104	100	97	91	90	91	93	100
Income Middle Third Income Top Third	116 141	120 138	118 135	124 132	116 134	107 134	100 134	106 131	112 130	119 134	120 139	122 141	122 140
income rop mila	171	100	100	102	107	107	107	101	100	107	100	171	170

The question was: "We are interested in how people are getting along financially these days.

Would you say that you (and your family living there) are better off or worse off  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

financially than you were a year ago?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 6: CURRENT FINANCIAL SITUATION COMPARED WITH A YEAR AGO** 

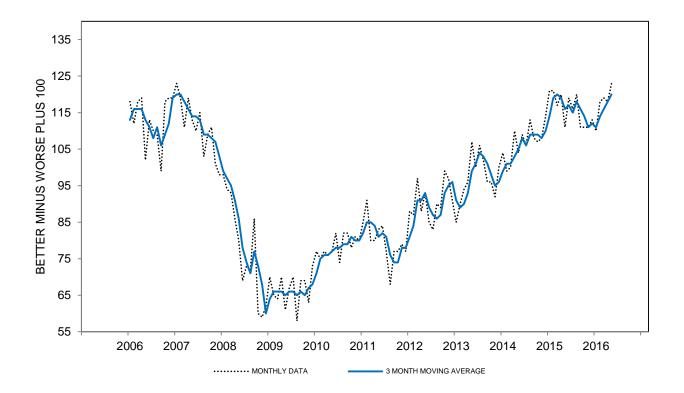


CHART 6: CURRENT FINANCIAL SITUATION COMPARED WITH A YEAR AGO

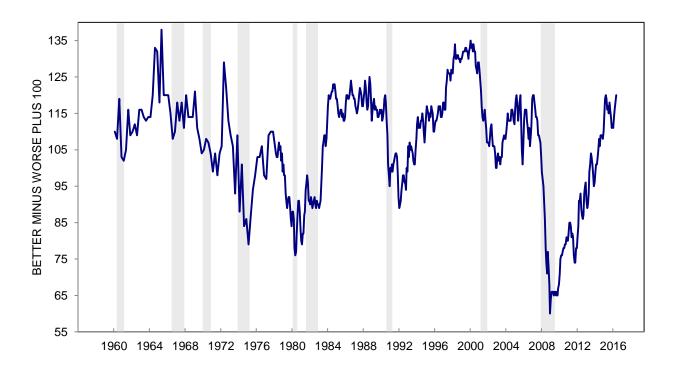


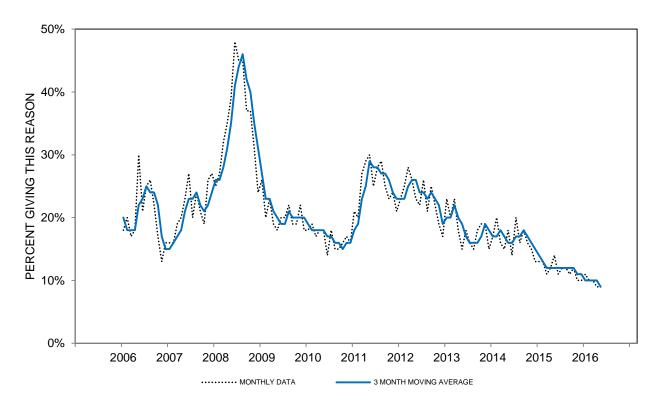
TABLE 7
SELECTED REASONS FOR OPINIONS ABOUT HOUSEHOLD FINANCIAL SITUATION

	May	Jun	Jul 2015	Aug	Sep	Oct	Nov	Dec	Jan 2016	Feb	Mar 2016	Apr	May
BETTER THAN YEAR AGO	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
Income higher	33%	32%	36%	37%	36%	34%	33%	34%	35%	37%	38%	37%	40%
Increased HH Contribution	2	5	4	4	3	5	4	3	4	2	3	3	3
Assets Higher	7	6	5	6	4	5	5	2	4	5	4	6	6
Debt Lower	5	5	6	7	7	6	5	6	5	8	8	7	8
Expense Lower	9	10	8	6	7	9	8	8	6	8	8	8	8
WORSE THAN YEAR AGO:	:												
Income lower	25	21	23	23	22	24	27	23	21	22	21	22	20
Decreased HH Contribution	5	5	6	5	6	6	8	5	8	7	8	8	8
Higher prices	14	11	12	12	11	12	10	10	11	10	10	9	9
Assets Lower	2	2	1	1	3	3	3	3	2	3	2	2	3
Debt Higher	3	4	3	2	3	6	5	4	5	4	2	3	1
Expense Higher	4	7	7	7	9	7	4	9	8	6	7	6	6
SELECTED REA		_	_					_			_	TION	
INCOME	HIGHE	R - INC	COME	LOWE	R (TH	REE M	ONTH	MOVII	NG AV	ERAG	ES)		
All	11	11	11	13	14	13	10	9	10	13	15	16	17
Age 18 to 44	33	31	33	33	35	31	29	26	32	34	41	38	40
Age 45 to 64	-1	0	-1	2	2	3	-2	0	-2	3	0	5	5
Age 65+	-7	-6	-9	-4	-2	-2	-7	-8	-9	-8	-6	-5	0
Income Bottom Third	0	-1	-3	-2	1	6	3	-1	-4	-5	-4	-3	3
Income Middle Third	5	9	11	17	13	7	1	5	10	15	19	17	20
Income Top Third	29	27	27	26	29	27	26	22	24	30	33	34	32
	HIGHE	R PRI	CES (	(THRE	E MON	тн мс	OVING	AVER	AGES)				
All	12	12	12	12	12	12	11	11	10	10	10	10	9
Age 18 to 44	6	7	7	6	6	6	5	5	4	4	4	5	5
Age 45 to 64	14	13	12	12	12	13	13	12	11	9	10	10	11
Age 65+	20	19	20	19	21	20	18	17	18	21	21	19	16
Income Bottom Third	16	16	16	13	15	14	14	12	13	15	16	15	13
Income Middle Third	14	14	14	13	13	15	13	12	10	9	10	10	10
Income Top Third	7	7	6	6	5	6	6	8	7	7	5	5	5
(ASSETS	HIGH	ER + D	EBTS	LOWE	R) - (A	SSETS	LOW	ER + D	EBTS	HIGHE	R)		
		(TH	IREE N	IONTH	MOVI	NG AV	ERAG	ES)					
All	9	8	6	7	7	6	3	2	2	3	5	7	9
Age 18 to 44	6	9	9	9	7	6	5	5	3	4	8	11	12
Age 45 to 64	11	10	9	10	10	6	2	2	3	5	6	8	8
Age 65+	8	4	1	3	4	2	-3	-7	-4	-4	-1	-1	3
Income Bottom Third	-4	-4	-2	-1	-2	-5	-6	-6	-3	-1	1	1	2
Income Middle Third	10	9	7	10	10	7	1	0	-1	3	4	7	8
Income Top Third	19	18	17	15	16	15	13	11	9	7	10	14	17

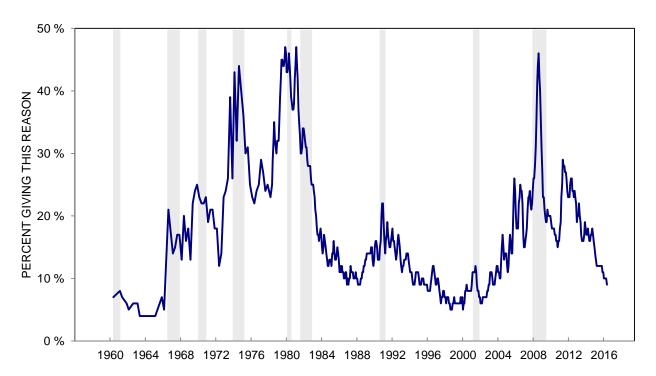
Responses to query: "Why do you say so?" following the question on Table 6.

May add to more than 100% due to multiple mentions.

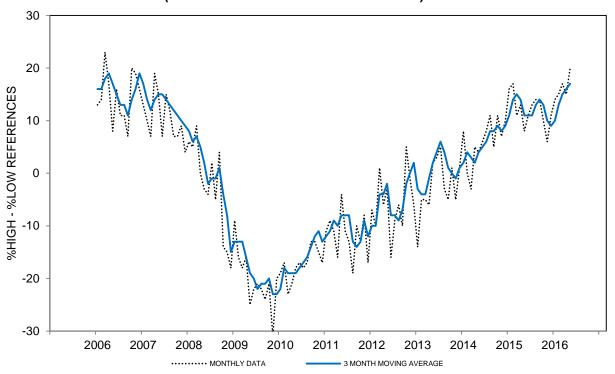
#### CHART 7A: HIGHER PRICES AS REASONS FOR WORSE PERSONAL FINANCES



#### CHART 7A: HIGHER PRICES AS REASONS FOR WORSE PERSONAL FINANCES



### CHART 7B: INCOME REASONS FOR CHANGES IN PERSONAL FINANCES (%HIGHER INCOME - %LOWER INCOME)

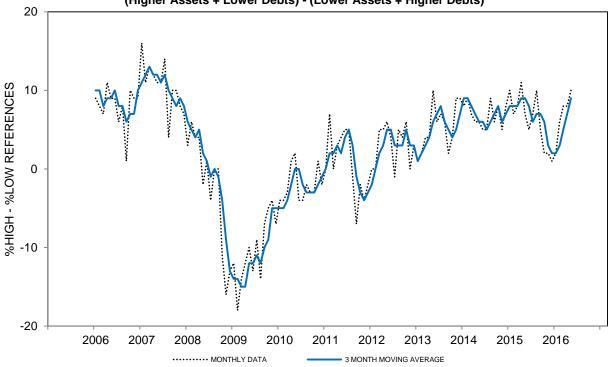


### CHART 7B: INCOME REASONS FOR CHANGES IN PERSONAL FINANCES: (%HIGHER INCOME - %LOWER INCOME)



### CHART 7C: WEALTH REASONS FOR CHANGES IN PERSONAL FINANCES: NET CHANGE IN ASSETS AND DEBTS

(Higher Assets + Lower Debts) - (Lower Assets + Higher Debts)



### CHART 7C: WEALTH REASONS FOR CHANGES IN PERSONAL FINANCES: NET CHANGE IN ASSETS AND DEBTS

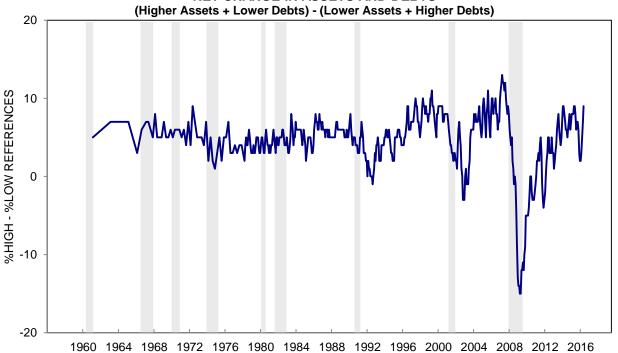


TABLE 8

EXPECTED CHANGE IN FINANCIAL SITUATION IN A YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015						Mar 2016	Apr 2016	May 2016
BETTER OFF	35%	35%	34%	34%	33%	36%	34%	33%	36%	37%	36%	32%	37%
SAME	51	53	52	53	51	51	52	57	49	50	50	55	51
WORSE OFF	12	10	12	10	12	9	12	9	12	9	9	11	9
DK, NA	2	2	2	3	4	4	2	1	3	4	5	2	3
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	123	125	122	124	121	127	122	124	124	128	127	121	128

# EXPECTED CHANGE IN FINANCIAL SITUATION IN A YEAR - INDEX SCORE THREE MONTH MOVING AVERAGES

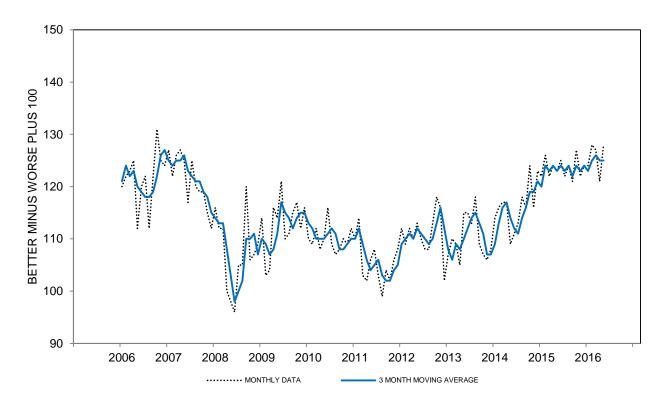
All	123	124	123	124	122	124	123	124	123	125	126	125	125
Age 18 to 44	141	142	142	143	140	142	143	144	145	145	145	142	143
Age 45 to 64	121	121	120	119	120	121	119	118	115	121	123	123	120
Age 65+	93	97	98	99	95	96	94	99	99	98	98	100	104
Income Bottom Third	117	120	119	123	122	127	126	125	121	118	118	118	121
Income Middle Third	126	126	126	124	119	118	121	127	130	132	131	128	124
Income Top Third	129	128	126	125	128	131	128	126	123	128	131	132	134

The question was:

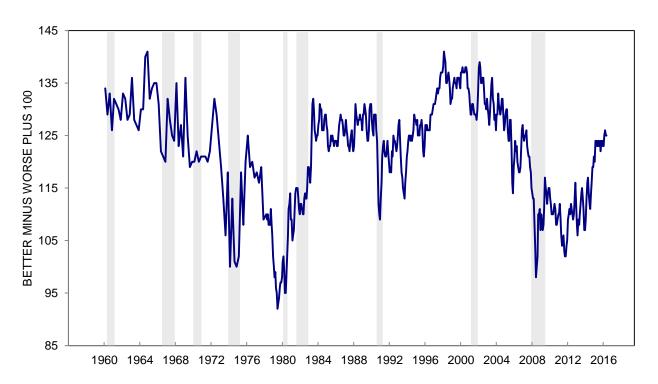
"Now looking ahead - do you think that a year from now you (and your family living there) will be better off financially, or worse off, or just about the same as now?"

Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 8: EXPECTED CHANGE IN FINANCIAL SITUATION IN A YEAR** 



**CHART 8: EXPECTED CHANGE IN FINANCIAL SITUATION IN A YEAR** 



ANNUAL TREND IN PAST AND EXPECTED HOUSEHOLD FINANCIAL SITUATION

**TABLE 9** 

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
Personal Financial Progress	;												
Continuous increase (a)	21%	19%	22%	20%	20%	20%	19%	22%	21%	23%	23%	21%	24%
Intermittent increase (b)	25	31	25	31	24	28	28	25	25	25	26	28	27
Remain unchanged (c)	19	19	18	18	18	16	15	18	17	16	18	18	17
Intermittent decline (d)	16	14	17	14	17	18	19	20	17	16	15	15	14
Continuous decline (e)	9	6	7	6	7	6	7	6	8	5	5	7	5
Mixed change (f)	8	9	8	8	10	8	9	8	9	11	8	8	10
DK, NA	2	2	3	3	4	4	3	1	3	4	5	3	3
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	121	130	123	131	120	124	121	121	121	127	129	127	132

## ANNUAL TREND IN PAST AND EXPECTED HOUSEHOLD FINANCIAL SITUATION - INDEX SCORE THREE MONTH MOVING AVERAGES

All	126	127	125	128	125	125	122	122	121	123	126	128	129
Age 18 to 44	152	153	153	155	151	150	149	149	152	151	156	154	157
Age 45 to 64	120	120	118	121	117	119	113	114	109	119	120	122	119
Age 65+	89	93	89	93	91	89	85	85	85	82	85	92	98
Income Bottom Third	108	111	108	115	112	120	115	111	104	101	103	105	111
Income Middle Third	127	131	129	132	123	116	112	119	126	132	132	131	129
Income Top Third	146	143	141	138	141	143	142	139	135	138	144	148	149

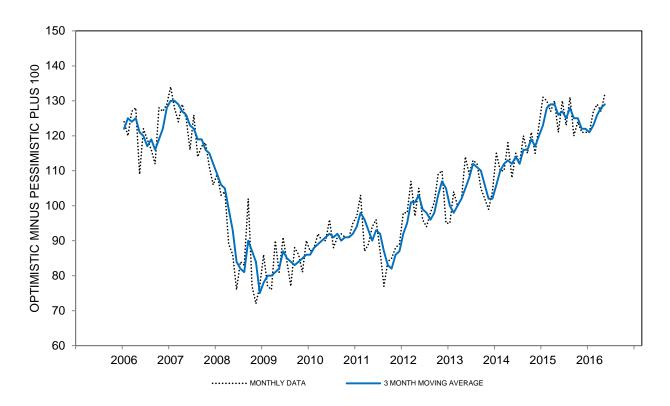
Combination of the responses to the questions on Tables 6 and 8.

Key: (a) Better off financially than a year ago/Better off a year from now

- (b) Better/Same or Same/Better
- (c) Same/Same
- (d) Worse/Same or Same/Worse
- (e) Worse/Worse
- (f) Worse/Better or Better/Worse

Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 9: ANNUAL TREND IN PAST AND EXPECTED HOUSEHOLD FINANCES** 



**CHART 9: ANNUAL TREND IN PAST AND EXPECTED HOUSEHOLD FINANCES** 

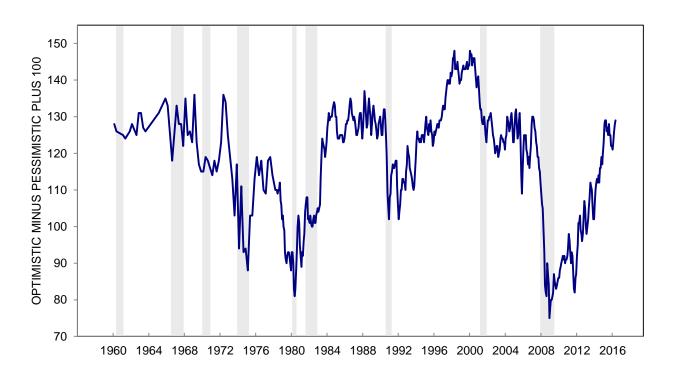


TABLE 10

CURRENT FINANCIAL SITUATION COMPARED WITH 5 YEARS AGO

	May 2015	Jun 2015	Jul 2015	Aug 2015	•				Jan 2016		Mar 2016	Apr 2016	May 2016
BETTER OFF	58%	59%	55%	58%	55%	60%	57%	55%	54%	59%	58%	59%	60%
SAME	10	11	10	11	8	8	9	11	12	11	10	10	11
WORSE OFF	32	30	34	30	36	31	33	33	33	29	30	31	28
DK, NA	*	*	1	1	1	1	1	1	1	1	2	*	1
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	126	129	121	128	119	129	124	122	121	130	128	128	132

# CURRENT FINANCIAL SITUATION COMPARED WITH 5 YEARS AGO - INDEX SCORE THREE MONTH MOVING AVERAGES

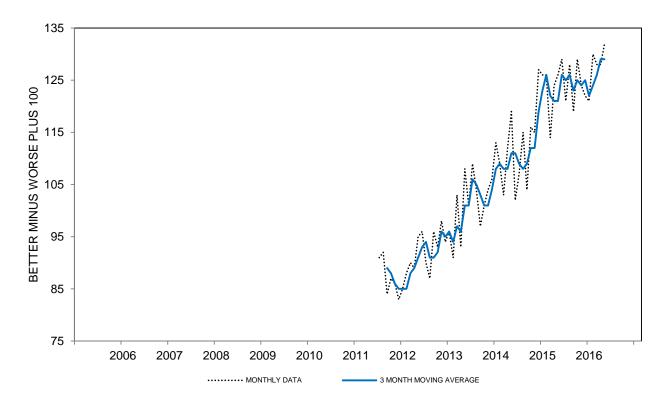
All	121	126	125	126	123	125	124	125	122	124	126	129	129
Age 18 to 44	144	152	151	150	147	149	149	149	148	150	152	154	155
Age 45 to 64	117	119	118	122	119	121	115	118	112	119	120	125	125
Age 65+	86	94	93	92	87	90	91	93	92	91	92	90	93
Income Bottom Third	96	99	98	102	99	108	105	104	97	95	100	100	104
Income Middle Third	117	129	131	130	123	121	117	120	119	127	128	131	131
Income Top Third	154	153	149	148	149	151	151	152	151	153	154	158	155

The question was:

"Now thinking back 5 years, would you say you (and your family living there)
are better off or worse off financially now than you were 5 years ago?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

#### **CHART 10: CURRENT FINANCIAL SITUATION COMPARED WITH 5 YEARS AGO**



**CHART 10: CURRENT FINANCIAL SITUATION COMPARED WITH 5 YEARS AGO** 

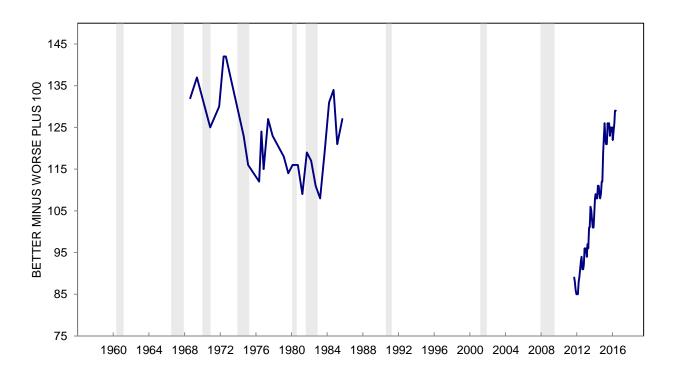


TABLE 11

EXPECTED CHANGE IN FINANCIAL SITUATION IN 5 YEARS

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015			Dec 2015		Feb 2016	Mar 2016	Apr 2016	May 2016
BETTER OFF	53%	51%	50%	53%	50%	52%	50%	51%	51%	55%	52%	50%	51%
SAME	31	33	31	31	32	29	28	33	33	30	32	34	31
WORSE OFF	14	13	15	14	14	14	17	13	14	11	12	12	13
DK, NA	2	3	4	2	4	5	5	3	2	4	4	4	5
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	139	138	135	139	136	138	133	138	137	144	140	138	138

# EXPECTED CHANGE IN FINANCIAL SITUATION IN 5 YEARS - INDEX SCORE THREE MONTH MOVING AVERAGES

All	138	138	137	137	137	138	136	136	136	140	140	141	139
Age 18 to 44	167	168	169	169	166	167	168	170	170	170	170	169	169
Age 45 to 64	133	132	130	131	132	131	126	125	123	133	132	133	127
Age 65+	96	96	94	94	94	94	90	93	96	98	101	104	105
Income Bottom Third	132	131	132	133	135	138	134	132	130	132	135	137	137
Income Middle Third	140	142	143	144	136	136	134	143	142	146	142	141	136
Income Top Third	146	144	141	138	140	141	142	138	140	144	148	146	146

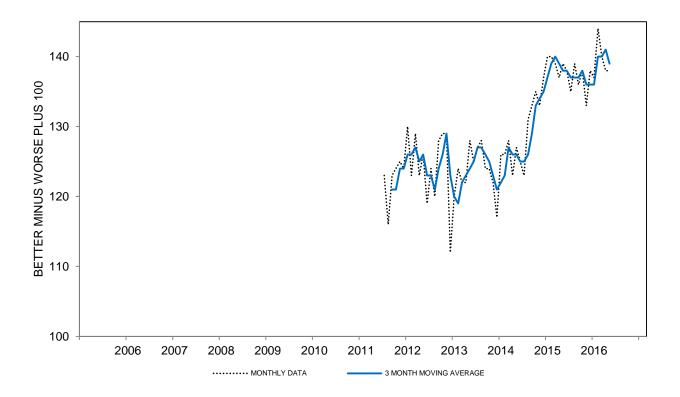
The question was: "And 5 years from now, do you expect that you (and your family living

there) will be better off financially, worse off, or just about the same

as now?"

Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 11: EXPECTED CHANGE IN FINANCIAL SITUATION IN 5 YEARS** 



**CHART 11: EXPECTED CHANGE IN FINANCIAL SITUATION IN 5 YEARS** 

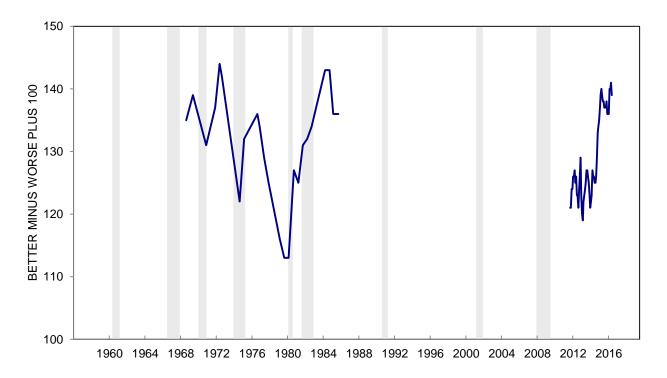


TABLE 12

#### FIVE YEAR TREND IN PAST AND EXPECTED HOUSEHOLD FINANCIAL SITUATION

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Personal Financial Progress	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
reisonai rinanciai riogiess	•												
Continuous increase (a)	35%	36%	34%	34%	32%	36%	34%	34%	33%	39%	37%	36%	37%
Intermittent increase (b)	22	20	17	23	19	20	18	18	20	18	18	20	19
Remain unchanged (c)	4	6	6	5	5	3	4	6	6	5	6	5	5
Intermittent decline (d)	10	11	12	10	11	9	11	13	12	12	11	13	12
Continuous decline (e)	9	8	9	8	9	8	9	7	7	5	7	6	6
Mixed change (f)	18	15	17	17	19	18	18	20	18	16	17	16	16
DK, NA	2	4	5	3	5	6	6	2	4	5	4	4	5
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	138	137	130	139	131	139	132	132	134	140	137	137	138

## FIVE YEAR TREND IN PAST AND EXPECTED HOUSEHOLD FINANCIAL SITUATION - INDEX SCORE THREE MONTH MOVING AVERAGES

All	134	137	135	135	133	136	134	134	133	135	137	138	137
Age 18 to 44	162	167	166	165	161	165	164	165	164	166	166	167	166
Age 45 to 64	129	130	128	130	129	130	123	124	119	128	129	134	131
Age 65+	89	94	95	94	93	96	96	96	97	96	99	96	99
Income Bottom Third	113	114	115	118	118	125	121	118	112	112	118	120	121
Income Middle Third	133	141	141	142	135	135	130	135	135	141	138	136	135
Income Top Third	157	156	151	148	150	153	154	152	152	156	159	161	159

Combination of the responses to the questions on Tables 10 and 11.

Key: (a) Better off financially than 5 years ago/Better off 5 years from now

- (b) Better/Same or Same/Better
- (c) Same/Same
- (d) Worse/Same or Same/Worse
- (e) Worse/Worse
- (f) Worse/Better or Better/Worse

Index Score is the percent favorable minus the percent unfavorable plus 100

#### CHART 12: FIVE YEAR TREND IN PAST AND EXPECTED HOUSEHOLD FINANCES

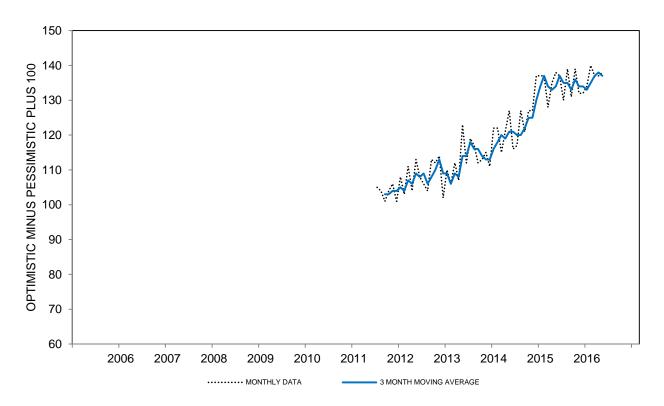


CHART 12: FIVE YEAR TREND IN PAST AND EXPECTED HOUSEHOLD FINANCES

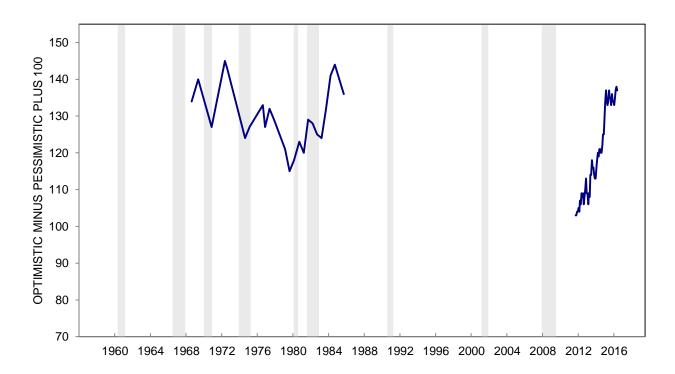


TABLE 13

EXPECTED CHANGE IN HOUSEHOLD INCOME DURING THE NEXT YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
EXPECT INCREASE:													
1-2%	15%	14%	12%	14%	12%	15%	15%	16%	8%	13%	12%	14%	13%
3-4%	10	12	13	9	11	8	12	11	10	10	11	12	12
5%	6	10	8	8	7	8	8	7	8	12	7	9	8
6-9%	3	3	2	3	3	3	3	3	3	2	4	3	3
10-24%	15	11	13	14	10	14	12	13	12	12	15	9	12
25% or more	7	7	8	6	7	8	7	7	10	9	5	7	7
DK how much up	1	1	2	2	3	1	2	2	1	1	2	1	2
EXPECT SAME	26	25	26	30	31	23	26	26	29	26	31	28	27
EXPECT DOWN	17	16	16	13	15	19	15	14	19	15	13	16	16
DK, NA	*	1	*	1	1	1	*	1	*	*	*	1	*
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Cases	503	506	501	564	500	503	508	508	503	505	545	528	547
MEDIAN	1.3	1.7	1.8	1.4	1.0	1.5	1.8	1.6	8.0	1.9	1.4	1.2	1.6

# EXPECTED CHANGE IN HOUSEHOLD INCOME DURING THE NEXT YEAR - MEDIAN THREE MONTH MOVING AVERAGES

All	1.4	1.5	1.6	1.6	1.4	1.3	1.4	1.6	1.4	1.4	1.4	1.5	1.4
Age 18 to 44	3.3	3.6	3.4	3.8	3.6 1.6	3.8	3.4	3.4	3.8	4.1 1.2	4.2 1.2	3.8 1.3	3.8 1.0
Age 45 to 64 Age 65+	1.1 0.1	0.8 0.2	1.3 0.3	1.5 0.2	0.1	1.0 0.1	0.9 0.1	0.9 0.1	0.7 0.1	0.0	0.0	0.1	0.0
Income Bottom Third	0.7	0.7	0.6	0.9	8.0	1.2	1.1	1.2	8.0	0.6	0.5	0.7	0.5
Income Middle Third	1.5	1.9	2.1	1.9	1.6	1.2	1.5	1.5	1.9	1.9	2.0	1.6	1.4
Income Top Third	2.5	2.3	2.4	2.1	2.3	2.1	2.1	2.2	2.3	2.5	2.6	2.6	2.7

The questions were: "During the next 12 months, do you expect your (family) income to be higher or

lower than during the past year?" and "By about what percent do you expect your (family) income to increase/decrease during the next 12 months?"

<sup>\*:</sup> Less than half of one percent.

CHART 13: EXPECTED CHANGE IN HOUSEHOLD INCOME DURING THE NEXT YEAR

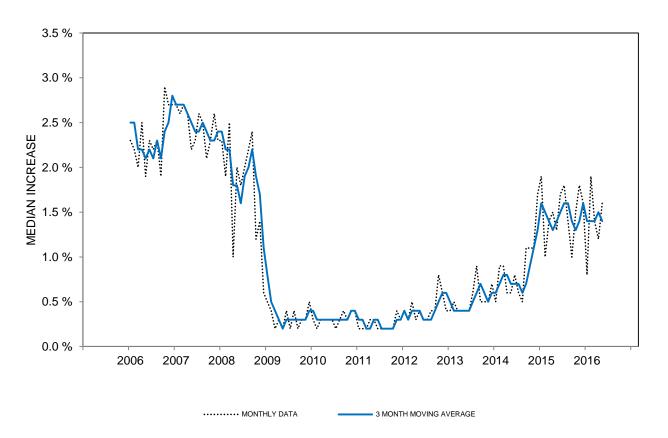


CHART 13: EXPECTED CHANGE IN HOUSEHOLD INCOME DURING THE NEXT YEAR

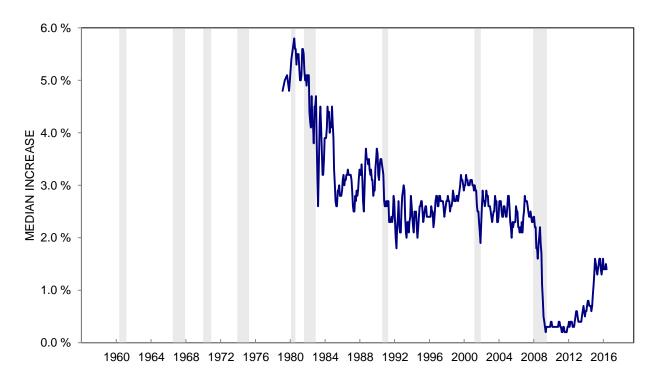


TABLE 14

EXPECTED CHANGE IN REAL HOUSEHOLD INCOME DURING THE NEXT YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015	•	Oct 2015				Feb 2016	Mar 2016	Apr 2016	May 2016
INCOME UP MORE	21%	20%	22%	21%	19%	23%	21%	23%	23%	23%	22%	21%	24%
INCOME UP SAME	34	35	34	36	34	29	36	35	35	34	36	32	32
PRICES UP MORE	44	44	43	42	46	46	42	41	41	42	40	46	42
DK, NA	1	1	1	1	1	2	1	1	1	1	2	1	2
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	77	76	79	79	73	77	79	82	82	81	82	75	82

# EXPECTED CHANGE IN REAL HOUSEHOLD INCOME DURING THE NEXT YEAR - INDEX SCORE THREE MONTH MOVING AVERAGES

All	77	78	77	78	77	76	76	79	81	82	82	79	80
Age 18 to 44	102	100	97	98	99	98	100	102	108	107	107	101	104
Age 45 to 64	68	69	72	74	72	68	66	68	68	74	75	72	72
Age 65+	47	51	50	51	47	51	50	57	52	50	48	53	50
Income Bottom Third	64	65	64	69	67	68	67	70	68	64	64	65	67
Income Middle Third	68	69	71	71	73	70	70	73	80	84	84	79	77
Income Top Third	102	101	99	95	93	93	94	96	96	96	96	95	97

The question was: "During the next year or two -- do you expect that your (family) income

will go up more than prices will go up, about the same, or less than

prices will go up?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

CHART 14: EXPECTED CHANGE IN REAL INCOME DURING THE NEXT YEAR

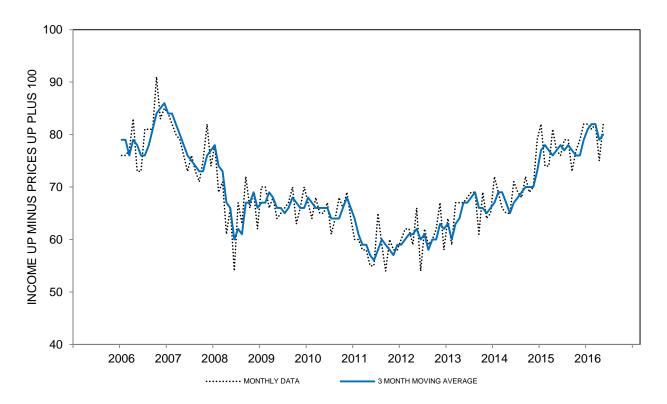


CHART 14: EXPECTED CHANGE IN REAL INCOME DURING THE NEXT YEAR

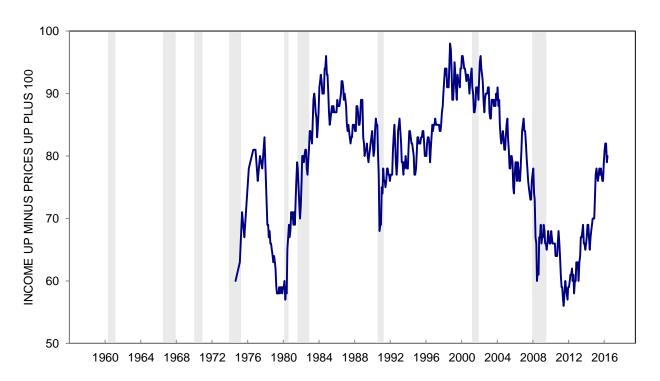


TABLE 15

PROBABILITY THAT PERSONAL INCOME WILL INCREASE DURING THE NEXT YEAR

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
0%	19%	17%	15%	17%	20%	18%	18%	16%	23%	22%	20%	21%	20%
1 - 24%	17	17	17	14	15	17	16	18	17	12	16	16	17
25 - 49%	9	6	8	6	5	6	8	6	4	9	6	6	5
50%	14	14	14	15	16	10	14	8	10	13	12	13	12
51 - 74%	7	9	8	9	6	7	9	9	10	7	9	7	7
75 - 99%	16	20	22	22	21	24	22	24	20	20	20	22	22
100%	17	16	15	17	16	17	13	18	16	17	16	14	17
DK, NA	1	1	1	*	1	1	*	1	*	*	1	1	*
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
MEAN	48	50	51	52	49	51	49	52	47	49	49	47	50

# PROBABILITY THAT PERSONAL INCOME WILL INCREASE DURING THE NEXT YEAR - MEAN THREE MONTH MOVING AVERAGES

All	50	49	50	51	50	50	49	51	50	50	48	48	49
Age 18 to 44	63	61	61	63	64	65	64	66	65	65	64	65	65
Age 45 to 64	47	46	46	47	47	45	44	45	46	48	46	45	44
Age 65+	31	33	36	35	33	32	31	31	28	26	24	25	27
Income Bottom Third	42	41	41	44	46	47	45	44	40	38	35	38	41
Income Middle Third	51	53	53	53	50	49	49	52	54	53	52	49	48
Income Top Third	58	56	56	57	57	57	56	57	57	58	59	59	58

The question was:

"What do you think is the percent chance that your income in

the next twelve months will be higher than your income in the past twelve months?"

#### CHART 15: PROBABILITY THAT PERSONAL INCOME WILL INCREASE DURING THE YEAR AHEAD

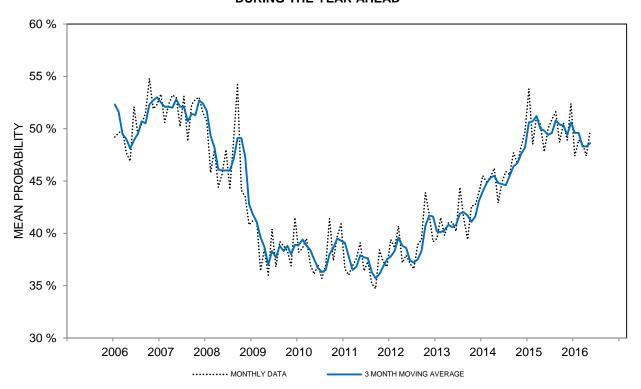


CHART 15: PROBABILITY THAT PERSONAL INCOME WILL INCREASE DURING THE YEAR AHEAD

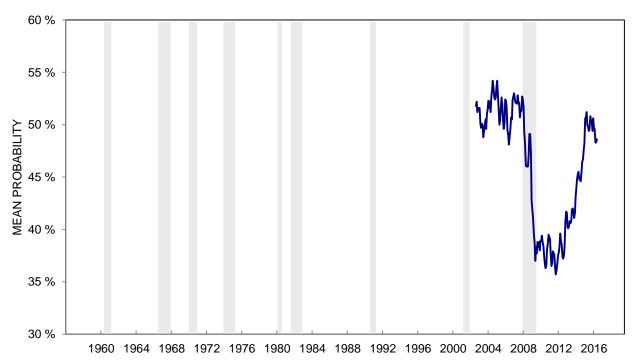


TABLE 16

PROBABILITY OF REAL INCOME GAINS DURING THE NEXT 5 YEARS

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
0%	18%	13%	15%	15%	14%	16%	14%	13%	17%	17%	17%	17%	17%
1 - 24%	26	28	26	26	28	28	25	26	24	25	27	28	27
25 - 49%	9	11	12	15	14	9	14	16	12	11	11	11	9
50%	19	17	16	15	17	16	17	14	16	17	16	17	18
51 - 74%	8	9	8	8	6	7	10	10	6	11	8	8	8
75 - 99%	12	15	17	15	15	17	15	15	17	13	15	15	14
100%	7	6	5	6	5	7	5	5	7	6	5	4	6
DK, NA	1	1	1	*	1	*	*	1	1	*	1	*	1
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
MEAN	39	40	40	40	39	40	40	40	41	39	38	38	39

# PROBABILITY OF REAL INCOME GAINS DURING THE NEXT 5 YEARS - MEAN THREE MONTH MOVING AVERAGES

All	39	40	40	40	40	40	40	40	40	40	39	38	38
Age 18 to 44	52	52	53	53	53	52	52	51	53	52	53	50	51
Age 45 to 64	35	35	36	37	35	35	35	36	36	38	37	35	34
Age 65+	23	24	23	24	23	24	25	26	25	21	19	21	22
Income Bottom Third	33	33	32	33	35	37	36	35	33	32	30	31	31
Income Middle Third	38	39	39	40	39	37	37	39	41	42	41	38	37
Income Top Third	48	49	49	48	47	48	48	48	47	46	47	47	48

The question was:

"What do you think the chances are that your (family) income will increase by more than the rate of inflation during the next five years or so?"

CHART 16: PROBABILITY OF REAL INCOME GAINS DURING THE NEXT 5 YEARS

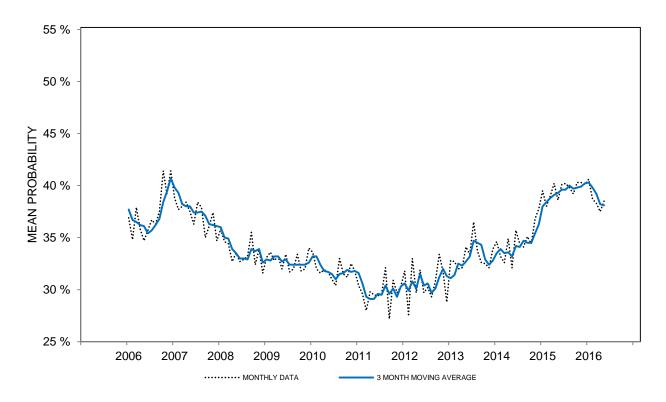


CHART 16: PROBABILITY OF REAL INCOME GAINS DURING THE NEXT 5 YEARS

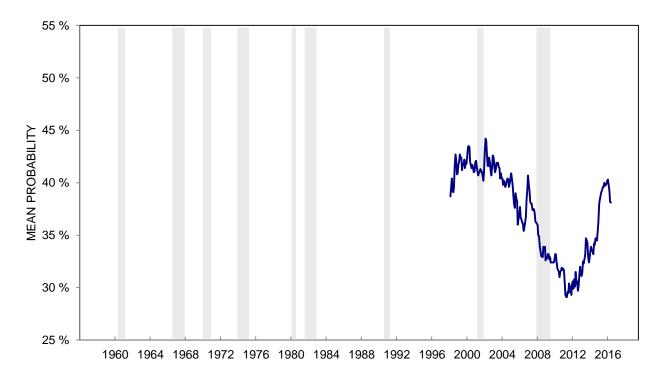


TABLE 17

PROBABILITY OF LOSING A JOB DURING THE NEXT 5 YEARS

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
0%	39%	40%	42%	43%	38%	38%	39%	39%	42%	44%	41%	40%	43%
1 - 24%	27	28	29	28	29	32	32	27	26	30	32	33	30
25 - 49%	11	10	11	12	10	8	10	13	12	8	10	7	10
50%	12	11	10	9	11	13	11	12	10	11	9	11	9
51 - 74%	3	2	2	3	2	3	3	2	1	1	1	3	2
75 - 99%	4	4	4	3	5	4	3	4	4	4	5	4	4
100%	3	4	2	2	4	1	1	3	4	2	2	2	2
DK, NA	1	1	*	*	1	1	1	*	1	*	*	*	*
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
MEAN	22	21	19	18	22	20	19	21	20	18	19	19	18

# PROBABILITY OF LOSING A JOB DURING THE NEXT 5 YEARS - MEAN THREE MONTH MOVING AVERAGES

All	21	21	21	20	20	20	20	20	20	20	19	19	19
Age 18 to 44	27	27	26	24	25	24	23	23	24	25	25	24	23
Age 45 to 64 Age 65+	21 8	23 8	23 8	22 7	22 9	23 9	24 9	24 7	24 7	23 6	21 5	22 5	22 5
Income Bottom Third	23	23	22	20	21	21	22	22	22	20	19	19	20
Income Middle Third	22	22	20	20	20	21	20	20	19	19	18	18	19
Income Top Third	18	20	20	20	19	19	19	19	20	20	20	18	18

The question was:

"During the next 5 years, what do you think the chances are that you (or your husband/wife) will lose a job you wanted to keep?"

CHART 17: PROBABILITY OF LOSING A JOB DURING THE NEXT 5 YEARS

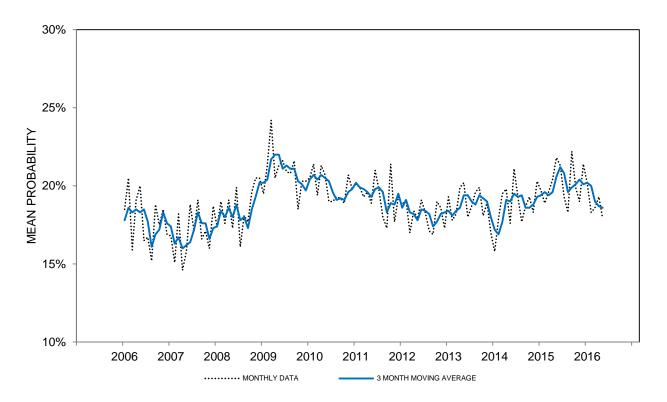


CHART 17: PROBABILITY OF LOSING A JOB DURING THE NEXT 5 YEARS

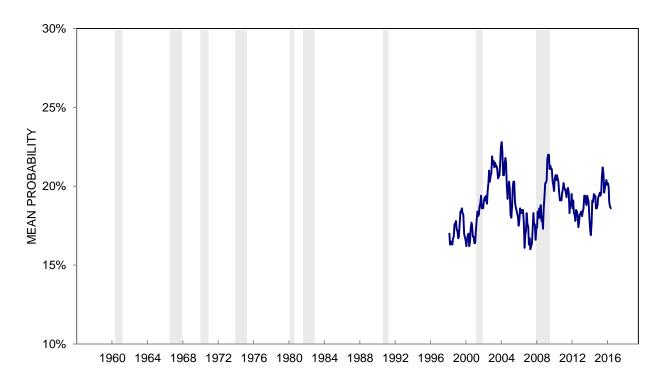


TABLE 18

# PROBABILITY THAT SOCIAL SECURITY AND PENSIONS WILL PROVIDE ADEQUATE RETIREMENT INCOME

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
0%	21%	21%	20%	20%	23%	23%	24%	21%	22%	20%	22%	23%	21%
1 - 24%	24	28	26	22	27	22	23	27	27	30	25	24	26
25 - 49%	12	10	13	15	12	12	12	14	11	13	11	11	14
50%	15	13	17	14	13	15	16	12	14	12	15	14	13
51 - 74%	6	8	7	8	7	8	6	7	7	5	8	6	8
75 - 99%	16	13	11	15	12	14	14	13	12	15	12	16	13
100%	5	6	5	5	5	5	5	5	5	4	6	5	5
DK, NA	1	1	1	1	1	1	*	1	2	1	1	1	*
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
MEAN	37	35	36	37	34	37	36	34	34	34	35	36	35

# PROBABILITY THAT SOCIAL SECURITY AND PENSIONS WILL PROVIDE ADEQUATE RETIREMENT INCOME - MEAN THREE MONTH MOVING AVERAGES

All	37	37	36	36	36	36	35	36	35	34	35	35	35
Age 18 to 44	34	34	32	33	32	33	32	33	34	33	33	33	33
Age 45 to 64	38	38	37	36	36	36	36	36	35	35	35	34	35
Age 65+	38	39	40	41	42	42	40	39	36	36	37	40	41
Income Bottom Third	33	34	32	31	31	32	30	30	30	31	32	31	30
Income Middle Third	35	34	35	37	36	34	33	34	35	34	35	35	36
Income Top Third	42	42	41	40	40	42	43	42	39	38	38	41	41

The question was:

"What do you think the chances are that when you retire, your income from Social Security and job pensions will be adequate to maintain your living standards?"

### CHART 18: PROBABILITY THAT SOCIAL SECURITY AND PENSIONS WILL PROVIDE ADEQUATE RETIREMENT INCOME

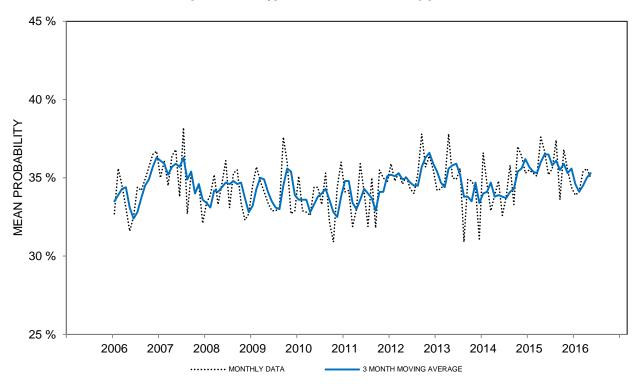
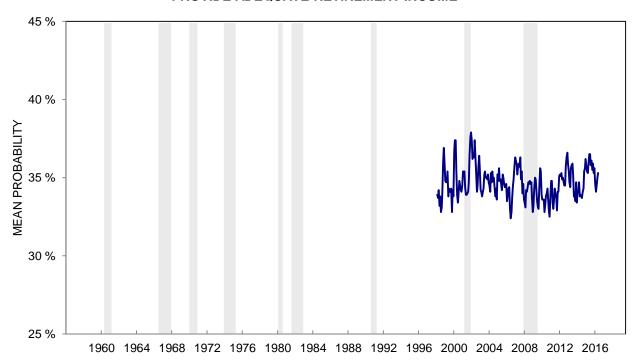


CHART 18: PROBABILITY THAT SOCIAL SECURITY AND PENSIONS WILL PROVIDE ADEQUATE RETIREMENT INCOME



CHANGE IN LIKELIHOOD OF A COMFORTABLE RETIREMENT COMPARED WITH 5 YEARS AGO

**TABLE 19** 

	May 2015	Jun 2015	Jul 2015	Aug 2015	•		Nov 2015		Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016	
GONE UP	21%	27%	23%	26%	18%	25%	23%	24%	23%	24%	25%	24%	25%	
STAY THE SAME	44	42	46	44	42	41	46	45	43	45	43	45	46	
GONE DOWN	35	31	30	30	39	33	31	31	34	30	31	31	29	
DK, NA	*	*	1	*	1	1	*	*	*	1	1	*	*	
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547	
INDEX SCORE	86	96	93	96	79	92	92	93	89	94	94	93	96	

# CHANGE IN LIKELIHOOD OF A COMFORTABLE RETIREMENT COMPARED WITH 5 YEARS AGO - INDEX SCORE THREE MONTH MOVING AVERAGES

All	86	90	92	95	89	89	88	92	91	92	92	94	94
Age 18 to 44	91	93	94	97	93	94	93	97	99	99	101	103	103
Age 45 to 64	85	87	92	97	90	87	84	88	87	90	91	90	90
Age 65+	83	93	89	89	82	84	85	91	86	83	80	81	84
Income Bottom Third	74	81	77	77	70	73	74	77	75	76	76	77	78
Income Middle Third	79	80	85	94	88	86	82	90	89	89	89	92	92
Income Top Third	110	112	114	114	111	110	110	111	110	111	113	114	113

The question was: "Compared with 5 years ago, do you think the chances that you (and your

husband/wife) will have a comfortable retirement have gone up, gone down, or

remained about the same?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

### CHART 19: CHANGE IN LIKELIHOOD OF A COMFORTABLE RETIREMENT COMPARED WITH 5 YEARS AGO



CHART 19: CHANGE IN LIKELIHOOD OF A COMFORTABLE RETIREMENT COMPARED WITH 5 YEARS AGO

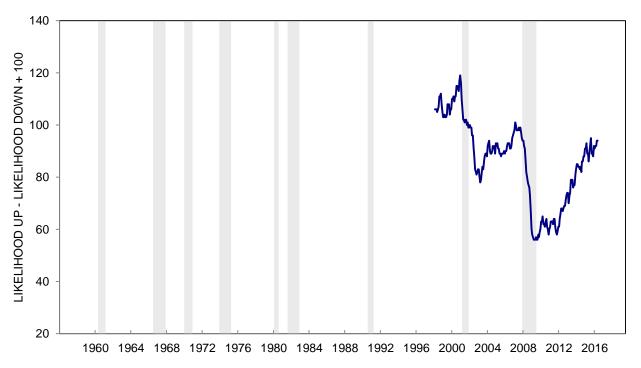


TABLE 20
PROBABILITY OF INCREASE IN STOCK MARKET PRICES IN THE NEXT YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
0%	3%	1%	3%	3%	5%	3%	4%	2%	6%	3%	2%	2%	3%
1 - 24%	16	8	13	15	17	17	18	15	20	21	20	21	14
25 - 49%	8	7	8	6	12	9	11	10	10	11	7	9	13
50%	16	20	20	19	19	18	18	18	21	17	19	18	22
51 - 74%	15	21	15	16	16	16	19	20	15	16	14	14	14
75 - 99%	33	32	32	33	25	30	24	28	21	22	29	29	27
100%	9	11	6	7	5	6	4	6	6	8	7	5	7
DK, NA	*	*	3	1	1	1	2	1	1	2	2	2	*
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	306	313	333	369	321	344	327	315	322	320	336	344	367
MEAN	58	63	59	58	52	56	52	56	50	51	55	53	55

# PROBABILITY OF INCREASE IN STOCK MARKET PRICES IN THE NEXT YEAR - MEAN THREE MONTH MOVING AVERAGES

All	59	61	60	60	56	55	53	55	53	52	52	53	54
Age 18 to 44	63	64	63	63	60	60	58	59	58	58	57	58	59
Age 45 to 64	59	61	61	61	56	53	50	52	50	49	49	50	52
Age 65+	54	54	53	52	49	50	49	52	49	48	48	49	49
Income Bottom Third	52	55	55	55	50	54	52	53	46	44	42	46	51
Income Middle Third	58	59	59	60	55	52	48	51	52	54	53	51	51
Income Top Third	64	64	63	62	59	59	58	59	57	56	55	56	58

The question was: "Suppose that tomorrov

"Suppose that tomorrow someone were to invest one thousand dollars in a type of mutual fund known as a diversified stock fund.

What do you think is the percent chance that this one thousand dollar

investment will increase in value in the year ahead, so that it is worth more than

one thousand dollars one year from now?"

CASES is the number of respondents who owned stock

## CHART 20: PROBABILITY OF AN INCREASE IN STOCK MARKET PRICE IN THE NEXT YEAR

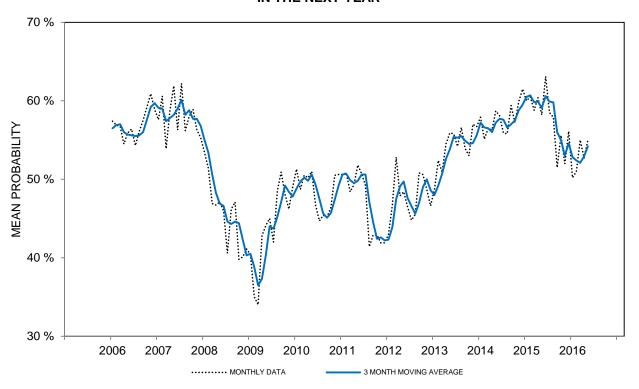
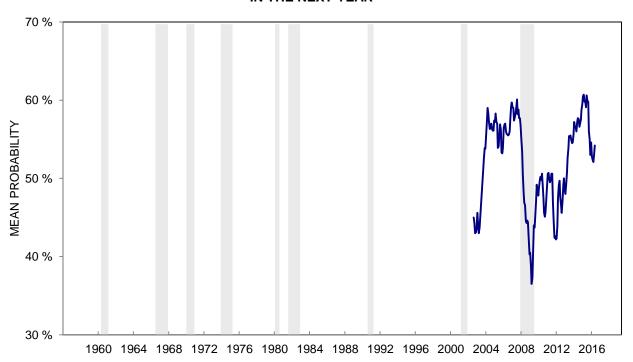


CHART 20: PROBABILITY OF AN INCREASE IN STOCK MARKET PRICE IN THE NEXT YEAR



**TABLE 21** 

#### **CURRENT VALUE OF STOCK MARKET INVESTMENTS**

#### THREE MONTH MOVING AVERAGES

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
UNDER \$10,000	9%	9%	9%	9%	9%	10%	10%	10%	9%	11%	11%	12%	11%
\$10,000-24,999	9	10	9	9	9	9	10	10	11	9	8	8	8
\$25,000-49,999	8	8	10	10	9	7	8	9	10	12	11	10	9
\$50,000-99,999	13	12	14	12	14	12	11	9	11	12	13	12	12
\$100,000-199,999	15	15	14	14	13	12	13	13	14	13	12	13	13
\$200.000-499,999	17	19	16	17	16	20	19	19	17	17	17	18	19
\$500,000 AND UP	15	14	15	17	16	16	15	16	15	14	14	14	14
DK/NA	14	13	13	12	14	14	14	14	13	12	14	13	14
TOTAL	100	100	100	100	100	100	100	100	100	100	100	100	100
CASES	948	941	952	1015	1023	1034	992	986	964	957	978	1000	1047
MEDIAN (1,000's)	114	116	99	115	114	132	117	118	100	89	86	99	112
25th PERCENTILE (1,000's)	31	31	31	32	32	31	29	26	27	27	28	28	30
75th PERCENTILE (1,000's) INTERQUARTILE	308	295	291	331	330	352	326	329	293	275	273	285	305
RANGE (75th-25th) (1,000's)	277	263	259	300	297	321	297	303	266	248	246	257	276

# CURRENT VALUE OF STOCK MARKET INVESTMENTS - MEDIAN THREE MONTH MOVING AVERAGES

All	114	116	99	115	114	132	117	118	100	89	86	99	112
Age 18 to 44	40	34	35	36	42	43	40	37	37	37	38	41	47
Age 45 to 64	164	177	162	178	161	182	179	210	178	170	144	164	178
Age 65+	210	222	209	227	226	245	250	230	231	224	231	228	260
Income Bottom Third	38	45	42	36	28	23	19	19	25	25	27	25	28
Income Middle Third	61	59	59	63	62	63	58	51	50	48	48	54	66
Income Top Third	210	208	205	224	214	236	235	247	226	212	194	209	212

The questions were:

"Do you (or any member of your family living there) have any investments in the stock market, including any publicly traded stock that is directly owned, stocks in mutual funds, stocks in any of your retirement accounts, including 401(K)s, IRAs, or Keogh accounts?"

"Considering all of your (family's) investments in the stock market, overall about how much would your investments be worth today?"

CASES is the number of respondents who owned stock

CHART 21: CURRENT VALUE OF STOCK MARKET INVESTMENTS (NOMINAL THOUSANDS)

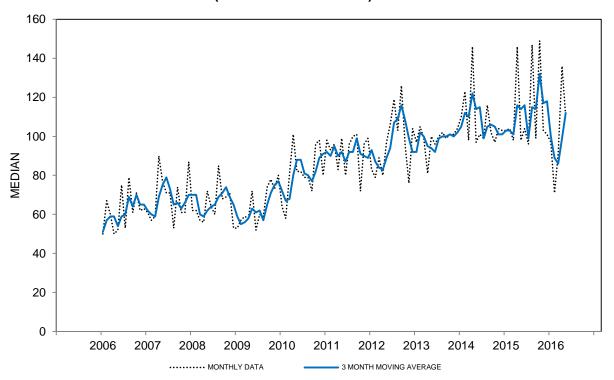
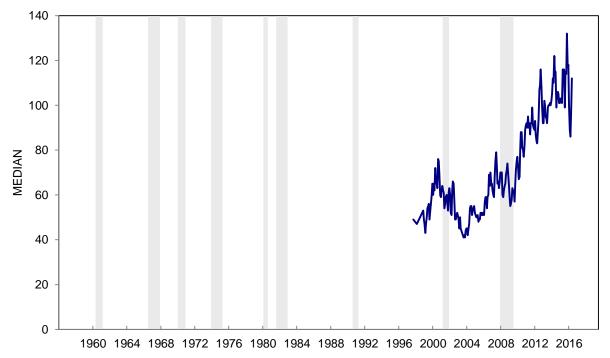


CHART 21: CURRENT VALUE OF STOCK MARKET INVESTMENTS (NOMINAL THOUSANDS)



**TABLE 22** 

#### **CURRENT MARKET VALUE OF PRIMARY RESIDENCE**

#### **THREE MONTH MOVING AVERAGES**

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
UNDER \$100,000	17%	18%	17%	16%	15%	15%	15%	14%	13%	13%	14%	15%	15%
\$100,000-199,999	28	26	25	25	27	28	28	27	26	28	27	28	27
200,000-299,999	22	21	22	21	21	19	20	21	22	21	20	19	21
300,000-399,999	8	9	9	10	11	11	11	11	12	13	14	13	13
400,00-499,999	7	8	8	7	6	6	7	7	6	7	7	8	8
500,000+	12	14	14	16	14	14	15	15	15	13	13	12	13
DK/NA	6	4	5	5	6	7	4	5	6	5	5	5	3
TOTAL	100	100	100	100	100	100	100	100	100	100	100	100	100
CASES	1044	1035	1027	1080	1085	1088	1045	1045	1038	1059	1105	1125	1144
MEDIAN (1,000's)	200	207	215	221	214	208	210	213	222	214	219	217	224
25th PERCENTILE (1,000's)	121	121	127	135	136	134	135	139	143	137	134	128	132
75th PERCENTILE (1,000's)	331	348	360	371	354	364	377	368	364	344	351	351	355
INTERQUARTILE RANGE (75th-25th) (1,000's)	210	227	233	235	218	230	242	229	221	207	217	223	223

# CURRENT MARKET VALUE OF PRIMARY RESIDENCE - MEDIAN THREE MONTH MOVING AVERAGES

All	200	207	215	221	214	208	210	213	222	214	219	217	224
Age 18 to 44	192	188	197	203	192	189	188	199	206	203	202	208	208
Age 45 to 64	201	216	231	236	223	212	217	222	232	224	230	239	253
Age 65+	214	213	211	218	219	229	233	232	237	221	227	206	207
Income Bottom Third	102	100	114	124	120	112	105	117	130	135	123	107	109
Income Middle Third	175	182	182	185	178	178	183	185	194	183	182	174	179
Income Top Third	285	310	327	327	313	308	315	312	306	303	315	325	330

The question was: "What is the current market value of your home? (If you sold it today,

how much would it bring in?) "

CASES is the number of respondents who owned homes

### CHART 22: CURRENT MARKET VALUE OF PRIMARY RESIDENCE (NOMINAL THOUSANDS)

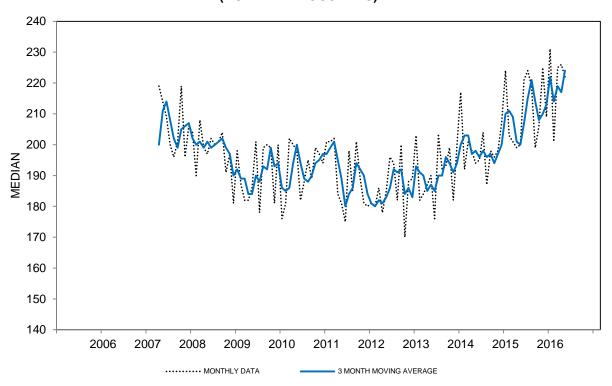


CHART 22: CURRENT MARKET VALUE OF PRIMARY RESIDENCE (NOMINAL THOUSANDS)

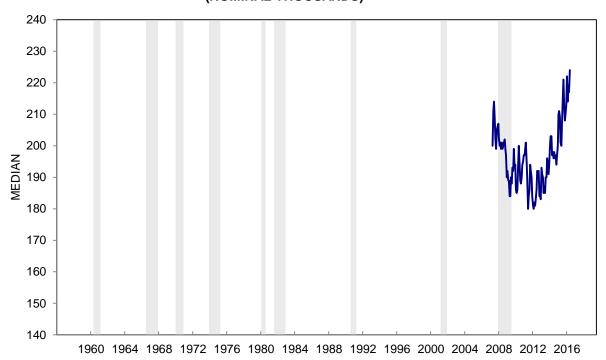


TABLE 23

NEWS HEARD OF RECENT CHANGES IN BUSINESS CONDITIONS

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
FAVORABLE NEWS	44%	41%	41%	43%	33%	34%	39%	41%	35%	36%	31%	32%	37%
UNFAVORABLE NEWS	54	50	53	57	68	66	60	61	71	74	59	69	58
NO MENTIONS	40	46	40	38	37	41	41	40	34	35	46	41	40
INDEX SCORE	90	91	88	86	65	68	79	80	64	62	72	63	79

# NEWS HEARD OF RECENT CHANGES IN BUSINESS CONDITIONS - INDEX SCORE THREE MONTH MOVING AVERAGES

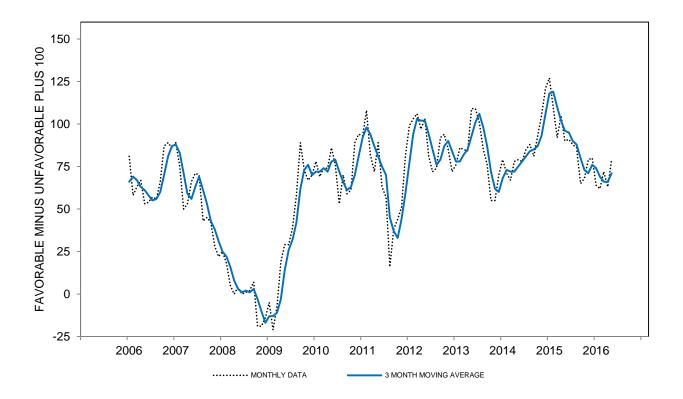
All	96	95	90	88	80	73	71	76	74	69	66	66	71
Age 18 to 44	108	104	101	99	91	85	82	86	83	78	78	76	82
Age 45 to 64	91	90	82	79	70	65	61	65	65	60	60	58	67
Age 65+	84	91	84	87	75	66	66	74	75	67	57	58	59
Income Bottom Third	93	99	92	91	80	78	76	77	71	66	67	66	76
Income Middle Third	89	84	84	83	76	63	63	76	83	75	70	65	71
Income Top Third	111	104	94	92	85	81	76	78	72	65	61	64	68

The questions were: "During the last few months, have you heard of any favorable or unfavorable changes in business conditions?" and "What did you hear?"

May add to more than 100% due to multiple mentions.

Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 23: NEWS HEARD OF RECENT CHANGES IN BUSINESS CONDITIONS** 



**CHART 23: NEWS HEARD OF RECENT CHANGES IN BUSINESS CONDITIONS** 

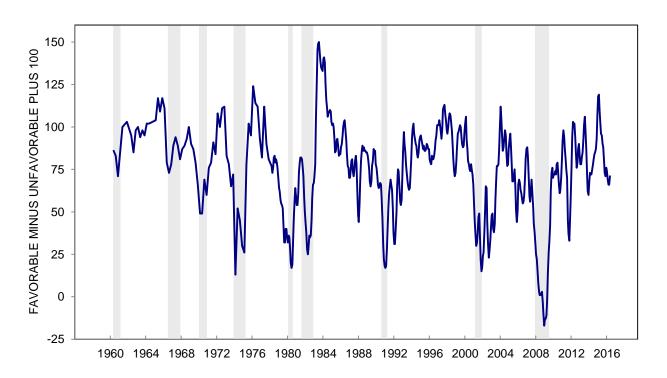


TABLE 24
SELECTED ITEMS OF NEWS HEARD OF RECENT CHANGES IN BUSINESS CONDITIONS

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
FAVORABLE NEWS:													
Government; elections	2%	3%	6%	4%	2%	3%	2%	3%	2%	3%	2%	3%	3%
Employment	23	21	22	21	18	17	19	18	15	17	16	16	18
Higher consumer demand	3	5	2	4	2	2	3	3	3	3	3	2	3
Lower prices	6	2	3	3	3	4	3	5	8	8	3	4	4
Easier credit	2	2	2	2	1	1	4	2	1	*	1	1	1
Stock market	3	3	2	3	3	2	3	2	1	1	2	2	3
Trade: global economy	*	*	1	2	*	1	*	1	1	*	*	*	*
UNFAVORABLE NEWS:													
Government; elections	15	14	14	15	11	14	13	15	12	11	10	18	16
Unemployment	23	14	16	19	20	21	22	22	19	21	21	28	23
Lower consumer demand	3	4	3	4	3	3	4	4	3	4	4	4	2
Higher prices	3	2	4	2	3	2	2	3	1	1	2	2	2
Tighter credit	1	1	1	1	2	3	2	4	3	3	1	1	2
Energy crisis	*	1	*	*	*	*	*	1	*	*	*	*	*
Stock market	2	1	5	4	16	8	4	3	14	10	8	4	4
Trade: global economy	2	3	7	5	8	8	4	1	8	6	3	2	2

# SELECTED ITEMS OF NEWS HEARD OF RECENT CHANGES IN BUSINESS CONDITIONS EMPLOYMENT - UNEMPLOYMENT (THREE MONTH MOVING AVERAGES)

All	3	5	4	5	2	-1	-3	-4	-4	-4	-4	-7	-7
Age 18 to 44	4	5	4	8	6	3	1	-2	-5	-7	-4	-5	-3
Age 45 to 64	4	6	5	3	-1	-6	-8	-8	-5	-3	-4	-7	-9
Age 65+	0	4	3	3	0	-3	-2	1	1	-1	-8	-12	-15
Income Bottom Third	1	3	0	0	-4	-6	-6	-7	-10	-9	-7	-8	-7
Income Middle Third	1	1	2	2	0	-4	-5	-6	-2	-2	-3	-8	-10
Income Top Third	11	11	10	13	11	7	3	2	1	-2	-4	-6	-5

#### GOVERNMENT FAVORABLE - UNFAVORABLE (THREE MONTH MOVING AVERAGES)

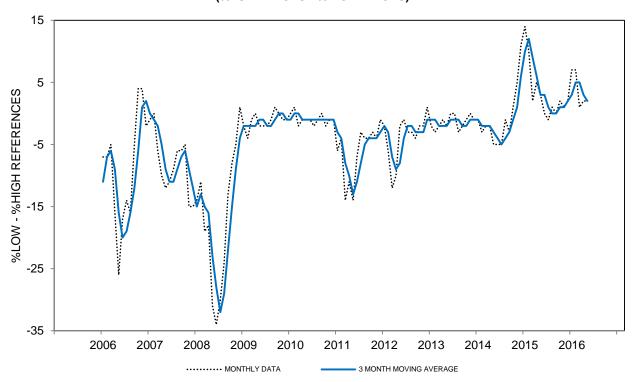
All	-11	-10	-11	-10	-9	-10	-10	-11	-11	-10	-9	-10	-12
Age 18 to 44	-4	-4	-5	-7	-5	-6	-6	-6	-6	-5	-5	-6	-8
Age 45 to 64	-15	-15	-14	-12	-11	-12	-14	-17	-16	-14	-10	-12	-13
Age 65+	-17	-15	-16	-14	-14	-16	-15	-15	-14	-11	-13	-14	-17
Income Bottom Third	-9	-7	-8	-6	-6	-7	-8	-10	-11	-10	-9	-9	-8
Income Middle Third	-11	-12	-12	-14	-12	-14	-12	-11	-9	-10	-9	-10	-11
Income Top Third	-13	-12	-13	-10	-11	-10	-13	-14	-14	-9	-6	-10	-16

The questions were: "During the last few months, have you heard of any favorable or unfavorable changes in business conditions?" and "What did you hear?"

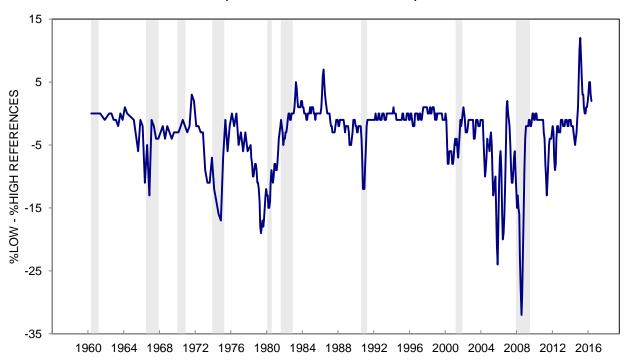
May add to more than 100% due to multiple mentions.

<sup>\*:</sup> Less than half of one percent.

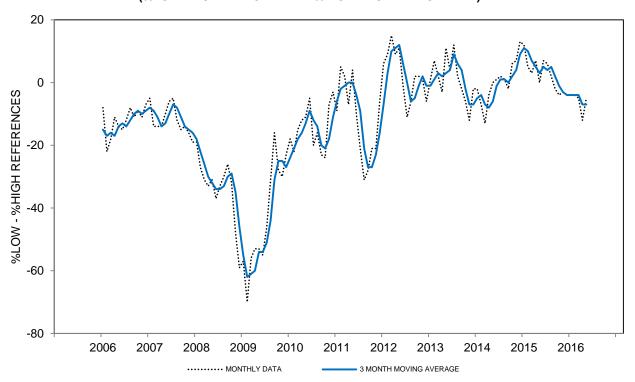
### CHART 24A: NEWS HEARD ABOUT PRICE CHANGES (%LOW PRICES - %HIGH PRICES)



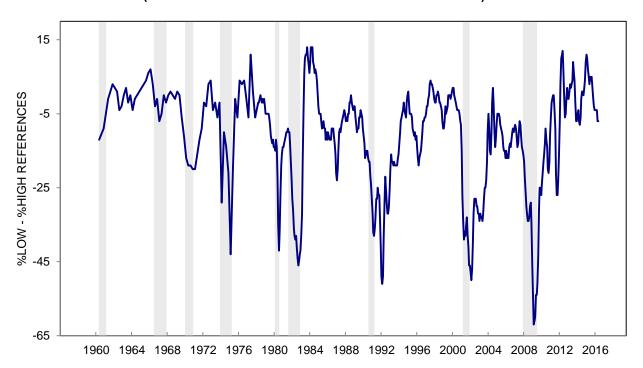
### CHART 24A: NEWS HEARD ABOUT PRICE CHANGES (%LOW PRICES - %HIGH PRICES)



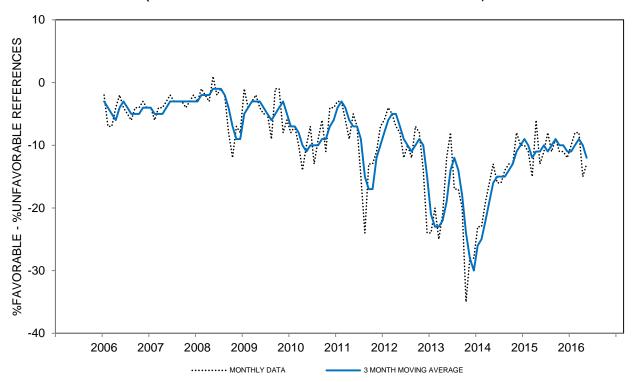
### CHART 24B: NEWS HEARD ABOUT CHANGE IN EMPLOYMENT CONDITIONS (%LOWER UNEMPLOYMENT - %HIGHER UNEMPLOYMENT)



### CHART 24B: NEWS HEARD ABOUT CHANGE IN EMPLOYMENT CONDITIONS (%LOWER UNEMPLOYMENT - %HIGHER UNEMPLOYMENT)



### CHART 24C: NEWS HEARD ABOUT GOVERNMENT ECONOMIC POLICIES (%FAVORABLE MENTIONS - %UNFAVORABLE MENTIONS)



### CHART 24C: NEWS HEARD ABOUT GOVERNMENT ECONOMIC POLICIES (%FAVORABLE MENTIONS - %UNFAVORABLE MENTIONS)

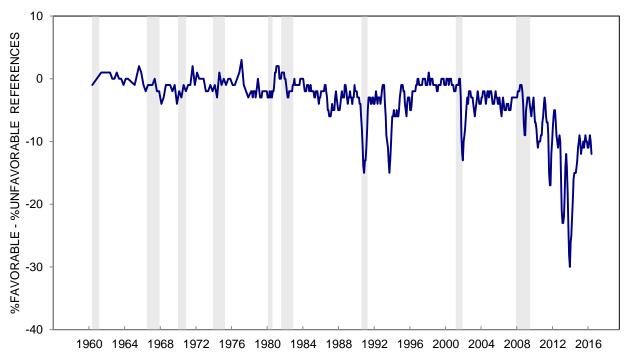


TABLE 25

CURRENT BUSINESS CONDITIONS COMPARED WITH A YEAR AGO

	May 2015	Jun 2015	Jul 2015	•	Sep 2015						Mar 2016	Apr 2016	May 2016
BETTER NOW	56%	63%	60%	55%	50%	53%	51%	50%	49%	50%	47%	50%	53%
SAME	11	13	11	11	13	9	11	13	11	11	13	11	14
WORSE NOW	33	23	27	33	36	37	36	36	39	37	36	38	31
DK, NA	*	1	2	1	1	1	2	1	1	2	4	1	2
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	123	140	133	122	114	116	115	114	110	113	111	112	122

# CURRENT BUSINESS CONDITIONS COMPARED WITH A YEAR AGO - INDEX SCORE THREE MONTH MOVING AVERAGES

All	130	132	132	132	123	117	115	115	113	112	111	112	115
Age 18 to 44	149	149	149	149	142	140	137	134	130	130	132	130	132
Age 45 to 64	121	122	125	123	113	106	104	105	104	104	104	103	106
Age 65+	109	119	117	118	106	96	92	96	97	95	87	95	97
Income Bottom Third	123	124	125	120	114	112	115	109	102	100	106	110	116
Income Middle Third	128	130	132	134	124	113	109	116	122	123	117	110	111
Income Top Third	144	145	142	143	135	130	126	122	118	116	115	117	119

The question was: "Would you say that at the present time business conditions are better or

worse than they were a year ago?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

CHART 25: CURRENT BUSINESS CONDITIONS COMPARED WITH A YEAR AGO

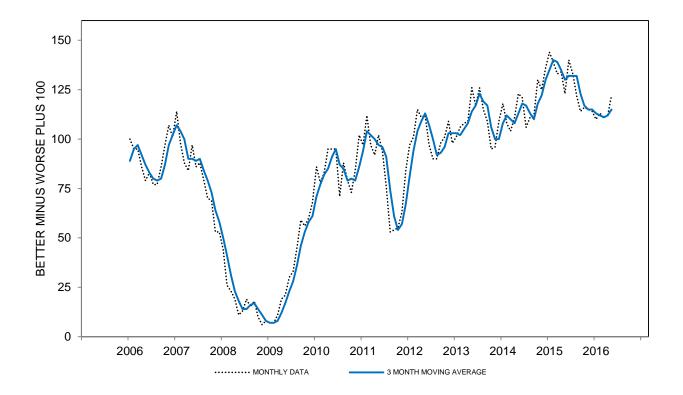


CHART 25: CURRENT BUSINESS CONDITIONS COMPARED WITH A YEAR AGO

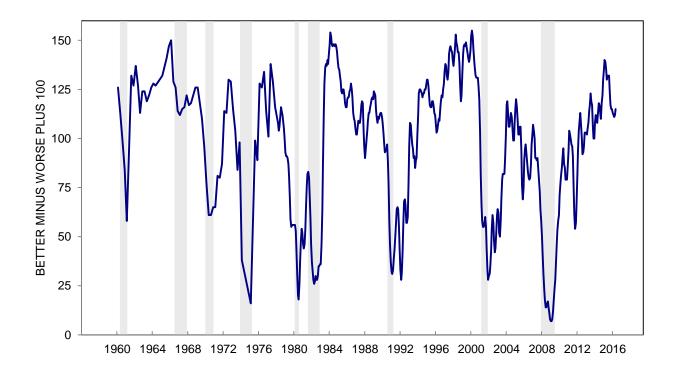


TABLE 26
EXPECTED CHANGE IN BUSINESS CONDITIONS IN A YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015	•				Jan 2016		Mar 2016	Apr 2016	May 2016
BETTER	30%	27%	26%	24%	21%	21%	20%	21%	24%	23%	23%	20%	24%
SAME	51	58	52	53	53	55	59	58	51	55	54	55	55
WORSE	18	14	20	21	25	21	18	18	20	19	19	22	18
DK, NA	1	1	2	2	1	3	3	3	5	3	4	3	3
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	112	113	106	103	96	100	102	103	104	104	104	98	106

# EXPECTED CHANGE IN BUSINESS CONDITIONS IN A YEAR - INDEX SCORE THREE MONTH MOVING AVERAGES

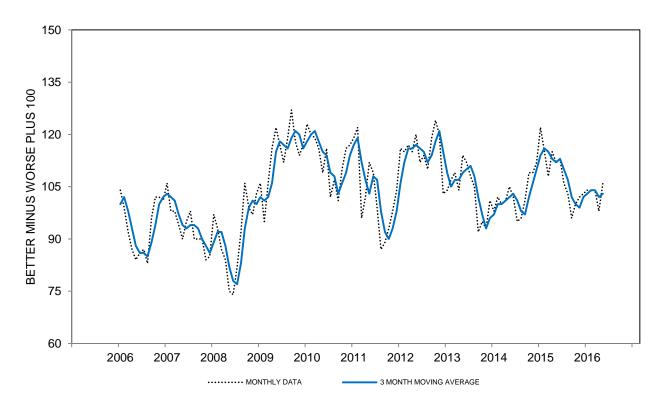
All	112	113	110	107	102	100	99	102	103	104	104	102	103
Age 18 to 44	122	123	120	116	109	106	107	112	113	111	107	104	105
Age 45 to 64	105	105	105	101	96	91	93	95	97	98	100	100	101
Age 65+	103	111	103	103	99	101	94	94	94	101	104	103	100
Income Bottom Third	111	112	111	107	104	100	100	101	101	101	101	100	103
Income Middle Third	109	114	112	107	99	99	99	105	106	108	107	103	101
Income Top Third	117	115	111	110	105	103	100	101	102	103	103	102	103

The question was:

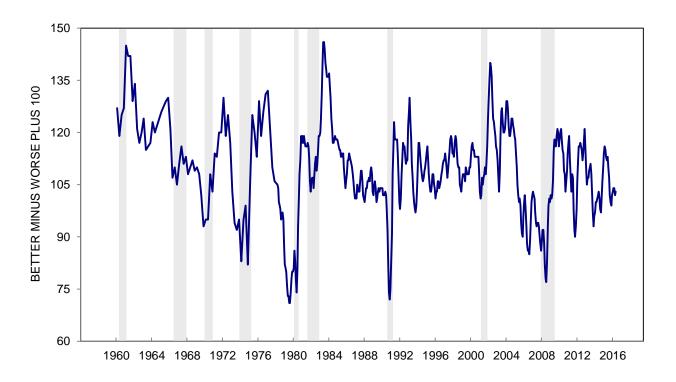
"And how about a year from now, do you expect that in the country as a whole business conditions will be better or worse than they are at present, or just about the same?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

CHART 26: EXPECTED CHANGE IN BUSINESS CONDITIONS IN A YEAR



**CHART 26: EXPECTED CHANGE IN BUSINESS CONDITIONS IN A YEAR** 



**TABLE 27** 

#### TREND IN PAST AND EXPECTED CHANGES IN BUSINESS CONDITIONS

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
TREND:													
Continuous increase (a)	27%	22%	22%	19%	15%	15%	15%	17%	17%	15%	14%	14%	18%
Intermittent increase (b)	27	40	35	32	31	31	33	30	27	31	29	30	32
Remain unchanged (c)	7	9	8	7	9	7	7	9	7	7	7	8	8
Intermittent decline (d)	21	11	13	18	18	19	22	22	21	19	20	20	20
Continuous decline (e)	12	10	13	14	17	13	12	12	13	13	11	14	10
Mixed change (f)	5	6	6	8	8	11	6	6	9	10	11	10	8
DK, NA	1	2	3	2	2	4	5	4	6	5	8	4	4
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	121	141	131	119	111	114	114	113	110	114	112	110	120

# TREND IN PAST AND EXPECTED CHANGES IN BUSINESS CONDITIONS - INDEX SCORE THREE MONTH MOVING AVERAGES

All	128	132	131	130	120	115	113	114	112	112	112	112	114
Age 18 to 44	148	149	147	148	139	135	133	133	130	130	131	128	131
Age 45 to 64	117	121	123	120	109	103	103	104	104	104	104	102	105
Age 65+	108	120	117	118	107	98	95	97	97	96	92	99	100
Income Bottom Third	122	126	126	121	113	110	113	109	102	100	105	109	116
Income Middle Third	125	129	130	131	121	112	108	115	121	123	119	111	111
Income Top Third	141	142	139	140	130	125	122	119	116	115	114	116	118

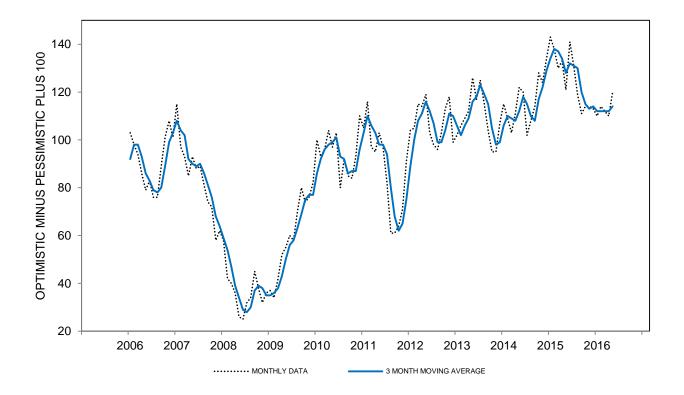
Combination of the responses to the questions on Tables 25 and 26.

Key: (a) Better than a year ago/Better a year from now

- (b) Better/Same or Same/Better
- (c) Same/Same
- (d) Worse/Same or Same/Worse
- (e) Worse/Worse
- (f) Worse/Better or Better/Worse

Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 27: TREND IN PAST AND EXPECTED BUSINESS CONDITIONS** 



**CHART 27: TREND IN PAST AND EXPECTED BUSINESS CONDITIONS** 

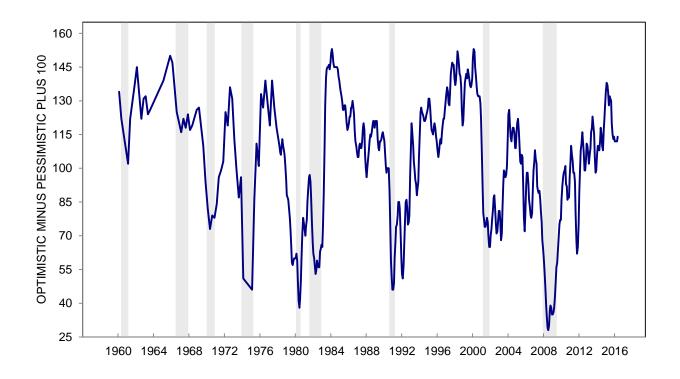


TABLE 28

BUSINESS CONDITIONS EXPECTED DURING THE NEXT YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015		Oct 2015	Nov 2015			Feb 2016	Mar 2016	Apr 2016	May 2016
GOOD TIMES	49%	55%	51%	48%	43%	44%	45%	44%	46%	41%	41%	39%	44%
UNCERTAIN	5	4	2	5	4	4	5	3	6	6	8	9	8
BAD TIME	36	30	36	37	43	43	39	41	39	44	41	44	37
DON'T KNOW	3	2	3	3	4	3	4	4	3	2	4	2	2
NA	7	9	8	7	6	6	7	8	6	7	6	6	9
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	113	125	115	111	100	101	106	103	107	97	100	95	107

# BUSINESS CONDITIONS EXPECTED DURING THE NEXT YEAR - INDEX SCORE THREE MONTH MOVING AVERAGES

All	118	121	118	117	109	104	102	103	105	102	101	97	101
Age 18 to 44	137	140	135	136	129	125	123	124	129	127	122	116	118
Age 45 to 64	108	109	110	107	98	92	89	90	91	89	92	89	94
Age 65+	97	104	102	101	90	86	85	88	88	84	80	78	80
Income Bottom Third	109	112	112	110	104	100	100	100	99	96	92	88	92
Income Middle Third	115	121	117	115	104	97	95	102	112	112	110	100	98
Income Top Third	133	132	127	127	119	117	113	107	105	101	105	106	112

The question was: "Now

"Now turning to business conditions in the country as a whole -- do you think that during the next 12 months we'll have good times financially, or bad times or what?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

#### **CHART 28: BUSINESS CONDITIONS EXPECTED DURING THE NEXT YEAR**

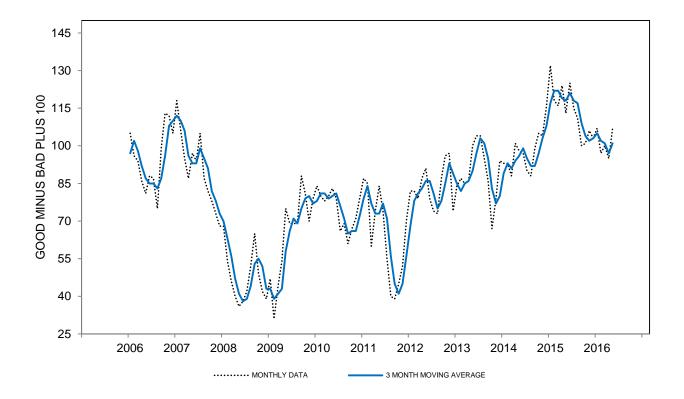


CHART 28: BUSINESS CONDITIONS EXPECTED DURING THE NEXT YEAR

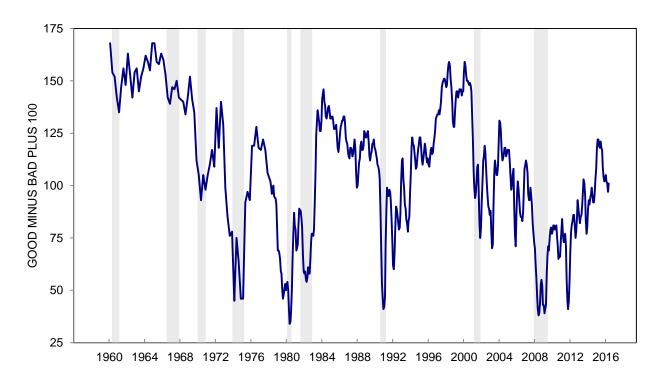


TABLE 29

BUSINESS CONDITIONS EXPECTED DURING THE NEXT 5 YEARS

	May 2015	Jun 2015	Jul 2015	_				Dec 2015			Mar 2016	Apr 2016	May 2016
GOOD TIMES	45%	47%	46%	43%	41%	46%	47%	47%	45%	46%	45%	42%	47%
UNCERTAIN	10	9	8	11	9	7	10	9	11	11	8	10	11
BAD TIME	43	43	45	43	48	45	42	42	43	42	45	47	41
NA	2	1	1	3	2	2	1	2	1	1	2	1	1
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	102	104	101	100	93	101	105	105	102	104	100	95	106

### BUSINESS CONDITIONS EXPECTED DURING THE NEXT 5 YEARS - INDEX SCORE THREE MONTH MOVING AVERAGES

All	105	105	102	102	98	98	100	104	104	104	102	100	100
Age 18 to 44	118	119	114	118	113	115	119	123	122	115	110	107	111
Age 45 to 64	99	99	98	92	86	84	87	90	91	95	94	93	93
Age 65+	94	91	90	90	91	91	86	90	92	97	100	97	94
Income Bottom Third Income Middle Third	93	91	88	91	85	89	91	95	93	91	92	95	95
	110	104	103	99	97	93	96	110	116	116	109	103	99
Income Top Third	119	124	119	116	113	114	114	109	105	103	105	103	110

The question was: "Looking ahead, which would you say is more likely -- that in the country

as a whole we'll have continuous good times during the next 5 years or so, or that we will have periods of widespread unemployment or depression, or what?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

CHART 29: BUSINESS CONDITIONS EXPECTED DURING THE NEXT FIVE YEARS

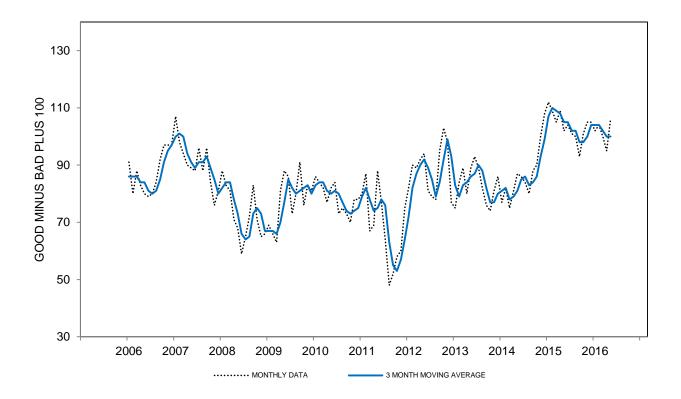


CHART 29: BUSINESS CONDITIONS EXPECTED DURING THE NEXT FIVE YEARS

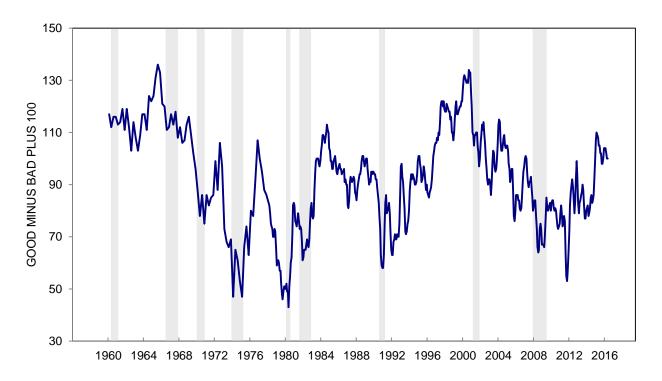


TABLE 30

EXPECTED CHANGE IN UNEMPLOYMENT DURING THE NEXT YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015	•			Dec 2015		Feb 2016	Mar 2016	Apr 2016	May 2016
LESS	24%	25%	21%	24%	19%	20%	22%	21%	18%	19%	20%	16%	21%
SAME	53	54	53	51	52	52	55	53	52	54	54	52	54
MORE	22	20	25	25	27	27	21	25	29	26	26	31	24
DK, NA	1	1	1	*	2	1	2	1	1	1	*	1	1
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	102	105	96	99	92	93	101	96	89	93	94	85	97

# EXPECTED CHANGE IN UNEMPLOYMENT DURING THE NEXT YEAR - INDEX SCORE THREE MONTH MOVING AVERAGES

All	105	105	101	100	96	95	95	97	95	93	92	91	92
Age 18 to 44 Age 45 to 64 Age 65+	114 100 99	111 100 103	105 99 98	105 97 97	104 90 89	107 88 84	107 88 87	105 90 92	101 88 97	97 87 93	99 85 90	99 84 86	99 87 85
Income Bottom Third	98	96	98	92	88	90	92	94	92	90	89	87	88
Income Middle Third	104	106	104	102	98	97	96	98	96	94	92	89	89
Income Top Third	116	114	107	107	100	98	97	98	97	94	94	95	99

The question was:

"How about people out of work during the coming 12 months -- do you think that there will be more unemployment than now, about the same, or less?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

CHART 30: EXPECTED CHANGE IN UNEMPLOYMENT DURING THE NEXT YEAR

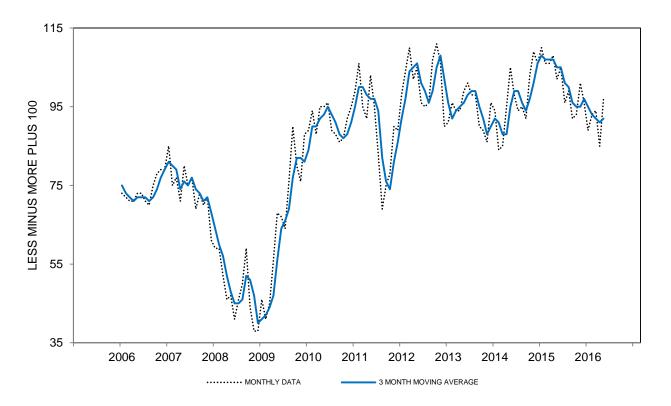


CHART 30: EXPECTED CHANGE IN UNEMPLOYMENT DURING THE NEXT YEAR

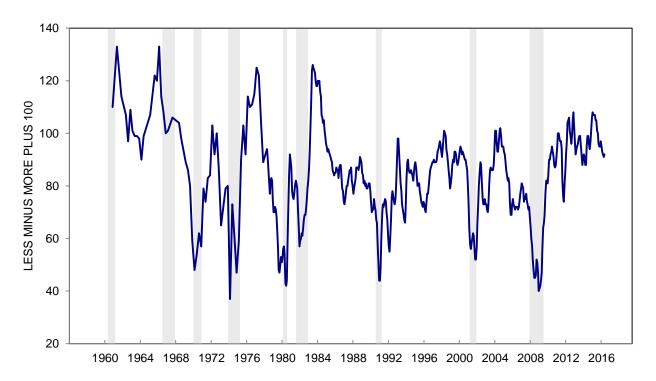


TABLE 31

EXPECTED CHANGE IN INTEREST RATES DURING THE NEXT YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015	•	Oct 2015	Nov 2015			Feb 2016	Mar 2016	Apr 2016	May 2016
GO UP	58%	63%	57%	63%	63%	61%	60%	69%	68%	55%	63%	63%	56%
STAY THE SAME	36	31	34	31	30	32	34	26	24	36	29	31	37
GO DOWN	6	5	8	5	6	6	5	4	7	8	7	6	6
DK, NA	*	1	1	1	1	1	1	1	1	1	1	*	1
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	48	42	51	42	43	45	45	35	39	53	44	43	50

# EXPECTED CHANGE IN INTEREST RATES DURING THE NEXT YEAR - INDEX SCORE THREE MONTH MOVING AVERAGES

All	44	44	47	45	45	43	44	42	40	42	45	47	46
Age 18 to 44	43	44	49	48	51	50	49	45	41	45	47	50	48
Age 45 to 64	48	46	47	45	44	41	42	40	41	43	46	44	43
Age 65+	39	42	46	41	39	36	40	36	34	36	42	46	46
Income Bottom Third	46	44	50	51	54	48	46	43	44	48	51	50	50
Income Middle Third	43	45	43	42	43	47	48	44	39	42	42	48	46
Income Top Third	42	40	44	39	39	35	38	37	34	37	41	42	41

The question was: "No one can say for sure, but what do you think will happen to interest rates

for borrowing money during the next 12 months -- will they go up, stay the

same, or go down?"

Index Score is the percent favorable minus the percent unfavorable plus 100

CHART 31: EXPECTED CHANGE IN INTEREST RATES DURING THE NEXT YEAR

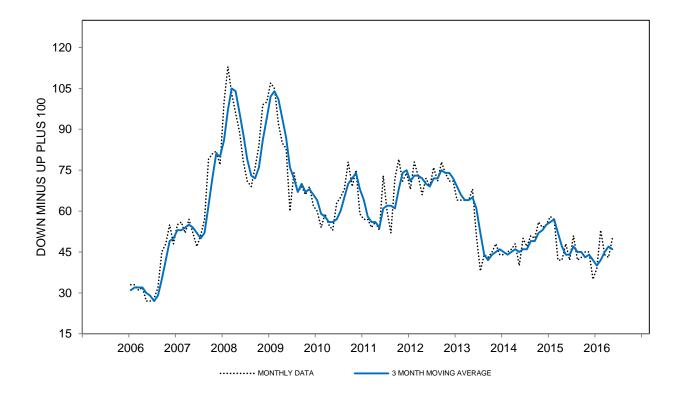


CHART 31: EXPECTED CHANGE IN INTEREST RATES DURING THE NEXT YEAR

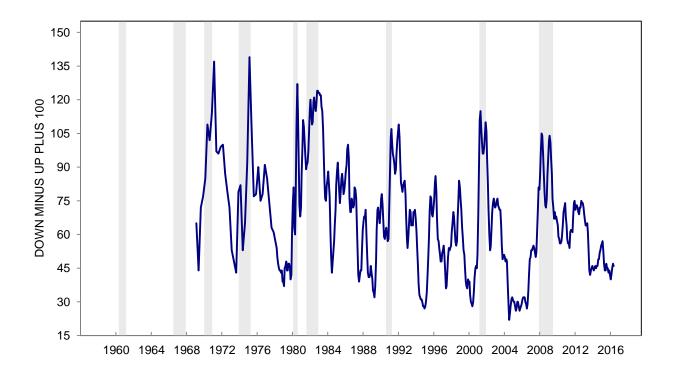


TABLE 32

EXPECTED CHANGE IN PRICES DURING THE NEXT YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
DOWN	2%	2%	1%	3%	3%	2%	2%	3%	5%	4%	2%	2%	1%
SAME WILL GO UP BY:	12	10	11	11	11	13	14	15	15	19	14	13	15
1-2%	27	31	28	26	26	28	27	27	28	25	25	27	33
3-4%	24	26	24	25	26	20	24	23	18	20	23	25	23
5%	13	11	14	15	15	12	14	12	13	16	14	14	12
6-9%	5	4	3	3	5	5	3	3	5	3	4	3	3
10-14%	7	6	8	5	4	9	6	6	7	6	7	7	5
15% or more	2	2	2	3	2	2	2	2	1	2	1	2	2
DK how much up	7	7	9	8	8	8	8	8	8	5	9	7	5
DK, NA	1	1	*	1	*	1	*	1	*	*	1	*	1
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
MEDIAN INCREASE	2.8	2.7	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.7	2.8	2.4
25th PERCENTILE	1.2	1.3	1.4	1.3	1.1	1.1	1.2	0.9	0.9	0.6	1.1	1.1	0.9
75th PERCENTILE INTERQUARTILE	4.8	4.6	4.9	4.8	4.7	5.0	4.7	4.6	4.8	4.7	4.8	4.7	4.3
RANGE (75th-25th)	3.6	3.3	3.4	3.5	3.6	3.8	3.5	3.7	3.9	4.1	3.7	3.6	3.4
MEAN INCREASE	3.4	3.5	3.7	3.5	3.1	3.5	3.2	3.0	3.1	2.9	3.3	3.3	3.0
VARIANCE	10	12	13	15	11	12	10	12	14	14	11	13	11
EXPECTED	CHAN								EDIAN	INCRI	EASE		
		TH	REE N	MONTH	MOVI	NG AV	ERAG	ES					
All	2.8	2.7	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.6	2.7	2.6
Age 18 to 44	2.6	2.6	2.7	2.6	2.6	2.7	2.6	2.3	2.1	2.0	2.3	2.5	2.4
Age 45 to 64	2.8	2.7	2.8	2.9	3.0	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.7
Age 65+	3.2	3.0	2.9	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Income Bottom Third	3.4	3.1	3.3	3.3	3.2	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.0
Income Middle Third	2.8	2.6	2.6	2.7	2.8	2.9	2.9	2.7	2.6	2.5	2.7	2.8	2.8
Income Top Third	2.5	2.5	2.6	2.6	2.6	2.5	2.4	2.2	2.2	2.0	2.1	2.2	2.1

The questions were:

"During the next 12 months, do you think that prices in general will go up, or go down, or stay where they are now?" and "By about what percent do you expect prices to go up, on the average, during the next 12 months?"

<sup>\*:</sup> Less than half of one percent.

CHART 32: EXPECTED CHANGE IN PRICES DURING THE NEXT YEAR

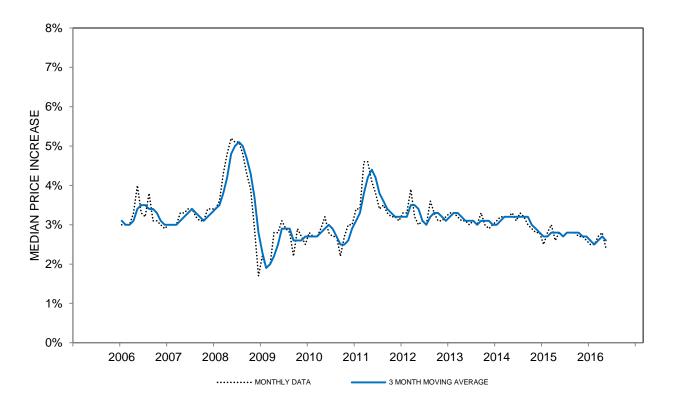


CHART 32: EXPECTED CHANGE IN PRICES DURING THE NEXT YEAR



TABLE 33
EXPECTED CHANGE IN PRICES DURING THE NEXT 5 YEARS

May Jun Jul Aug Sep Oct Nov Dec		Feb	Mar	Apr	May
2015 2015 2015 2015 2015 2015 2015	2016	2016	2016	2016	2016
DOWN 4% 2% 2% 4% 3% 3% 2% 3%	3%	4%	2%	4%	2%
SAME 1 1 2 2 2 3 3 1	3	3	2	2	1
WILL GO UP BY:					
1-2% 34 39 34 36 35 40 38 40	35	39	37	42	43
3-4% 29 29 30 30 30 29 29 27	27	27	29	27	29
5% 12 10 11 12 14 10 11 12	11	11	12	10	12
6-9% 7 3 4 3 2 4 2 4	4	4	2	3	2
10-14% 5 5 5 4 4 3 4 4	5	4	4	4	3
15% or more 1 1 1 1 1 2 1 1	1	1	1	1	1
DK how much up 6 8 10 7 8 5 9 7	10	5	9	6	6
DK, NA 1 2 1 1 1 1 1 1	1	2	2	1	1
TOTAL 100% 100% 100% 100% 100% 100% 100% 100	100%	5 100%	5 100%	100%	100%
CASES 503 506 501 564 500 503 508 508	503	505	545	528	547
MEDIAN INCREASE 2.8 2.6 2.8 2.7 2.7 2.5 2.6 2.6	2.7	2.5	2.7	2.5	2.5
25th PERCENTILE 1.3 1.5 1.6 1.5 1.4 1.2 1.5 1.4	1.5	1.3	1.3	1.3	1.3
75th PERCENTILE 4.6 3.9 4.3 4.1 4.1 3.8 3.5 4.1	4.3	3.9	4.1	3.6	3.5
INTERQUARTILE					
RANGE (75th-25th) 3.2 2.4 2.7 2.6 2.7 2.6 2.1 2.7	2.9	2.6	2.7	2.4	2.3
MEAN INCREASE 3.2 3.2 3.3 3.1 3.0 3.0 2.9 3.0	3.2	2.9	3.1	2.9	2.8
VARIANCE 9 8 8 8 7 9 6 7	8	8	8	8	5

# EXPECTED CHANGE IN PRICES DURING THE NEXT 5 YEARS - MEDIAN INCREASE THREE MONTH MOVING AVERAGES

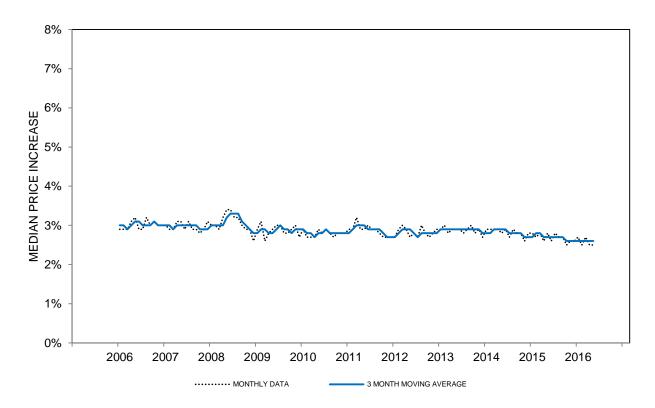
All	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Age 18 to 44 Age 45 to 64	2.6 2.8	2.6 2.7	2.7 2.8	2.7 2.8	2.7 2.9	2.5 2.8	2.4 2.8	2.3 2.8	2.4 2.8	2.4 2.8	2.5 2.8	2.3 2.7	2.4 2.7
Age 65+	2.9	2.8	2.8	2.7	2.7	2.6	2.7	2.6	2.7	2.6	2.6	2.6	2.7
Income Bottom Third	3.0	2.9	3.0	2.8	2.8	2.6	2.7	2.7	2.9	2.7	2.7	2.6	2.7
Income Middle Third	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.5	2.5	2.5	2.7	2.6	2.6
Income Top Third	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.6	2.5	2.4	2.3

The questions were:

"What about the outlook for prices over the next 5 to 10 years? Do you think prices will be higher, about the same, or lower, 5 to 10 years from now?" and "By about what percent per year do you expect prices to go (up/down) on the average, during the next 5 to 10 years?"

<sup>\*:</sup> Less than half of one percent.

**CHART 33: EXPECTED CHANGE IN PRICES DURING THE NEXT 5 YEARS** 



**CHART 33: EXPECTED CHANGE IN PRICES DURING THE NEXT 5 YEARS** 

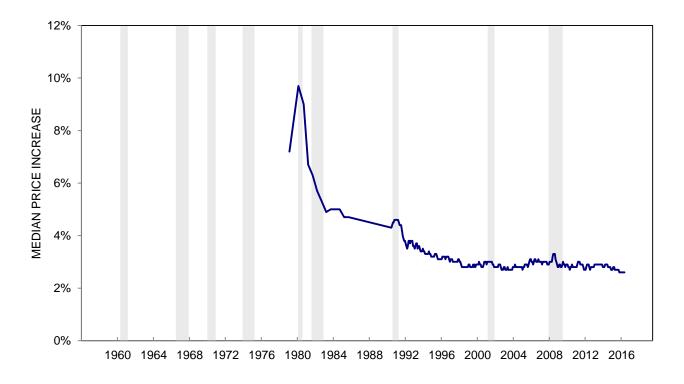


TABLE 34
OPINIONS ABOUT THE GOVERNMENT'S ECONOMIC POLICY

	May 2015	Jun 2015	Jul 2015	Aug 2015	•	Oct 2015		Dec 2015		Feb 2016	Mar 2016	Apr 2016	May 2016
A GOOD JOB	16%	22%	23%	21%	20%	16%	16%	18%	17%	22%	20%	20%	23%
ONLY FAIR	42	41	37	41	35	44	44	40	40	41	39	39	40
A POOR JOB	40	35	38	37	44	39	39	41	42	36	39	41	36
DK, NA	2	2	2	1	1	1	1	1	1	1	2	*	1
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
INDEX SCORE	76	87	85	84	76	77	77	77	75	86	81	79	87

# OPINIONS ABOUT THE GOVERNMENT'S ECONOMIC POLICY - INDEX SCORE THREE MONTH MOVING AVERAGES

All	80	83	83	85	82	79	77	77	76	79	81	82	82
Age 18 to 44	89	94	93	94	93	92	92	88	86	88	88	89	91
Age 45 to 64	76	76	75	78	73	71	68	71	71	73	77	80	81
Age 65+	70	76	77	81	75	69	62	66	68	74	73	73	70
Income Bottom Third	85	82	81	82	77	75	75	73	71	71	75	77	77
Income Middle Third	71	73	73	77	80	78	74	73	72	75	76	79	80
Income Top Third	87	93	92	94	87	85	82	86	86	92	92	93	93

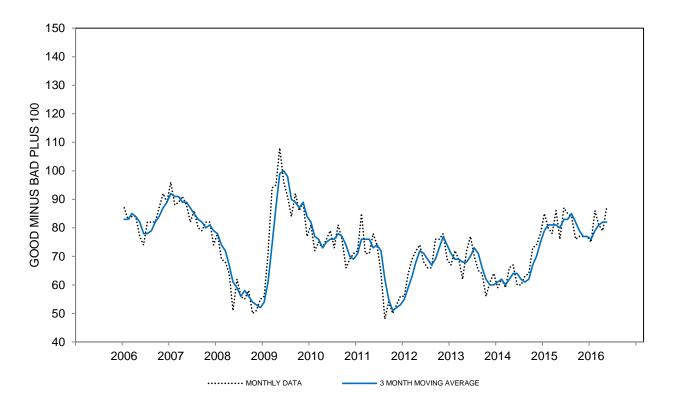
The question was: "As to the economic policy of the government -- I mean steps taken to fight

inflation or unemployment -- would you say the government is doing a good

job, only fair, or a poor job?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

CHART 34: OPINIONS ABOUT THE GOVERNMENT'S ECONOMIC POLICY



**CHART 34: OPINIONS ABOUT THE GOVERNMENT'S ECONOMIC POLICY** 

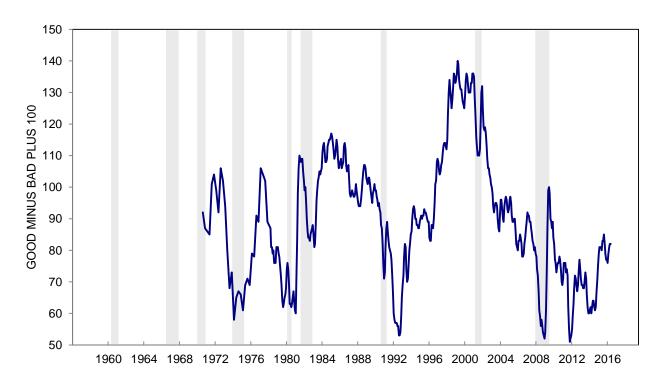


TABLE 35
BUYING CONDITIONS FOR LARGE HOUSEHOLD DURABLES

	May 2015	Jun 2015	Jul 2015	0	'				Jan 2016		Mar 2016	Apr 2016	May 2016	
GOOD TIME TO BUY	72%	78%	77%	72%	72%	74%	76%	81%	81%	77%	73%	75%	78%	
UNCERTAIN, DEPENDS	6	7	7	8	7	6	8	5	4	5	9	8	6	
BAD TIME TO BUY	22	15	16	20	21	20	16	14	15	18	18	17	16	
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547	
INDEX SCORE	150	163	161	152	151	154	160	167	166	159	155	158	162	

# BUYING CONDITIONS FOR LARGE HOUSEHOLD DURABLES - INDEX SCORE THREE MONTH MOVING AVERAGES

All	154	157	158	159	155	152	155	160	164	164	160	157	158
Age 18 to 44	151	155	158	160	157	156	160	163	166	162	159	158	164
Age 45 to 64	156	156	156	157	151	148	150	156	164	169	164	160	155
Age 65+	157	163	164	161	157	156	156	165	164	163	159	155	155
Income Bottom Third	145	147	149	149	148	145	151	157	161	159	151	147	148
Income Middle Third	154	160	161	161	153	154	156	163	163	162	161	159	161
Income Top Third	165	165	166	168	164	160	160	165	172	173	170	169	168

The question was: "About the big things people buy for their homes -- such as furniture, a

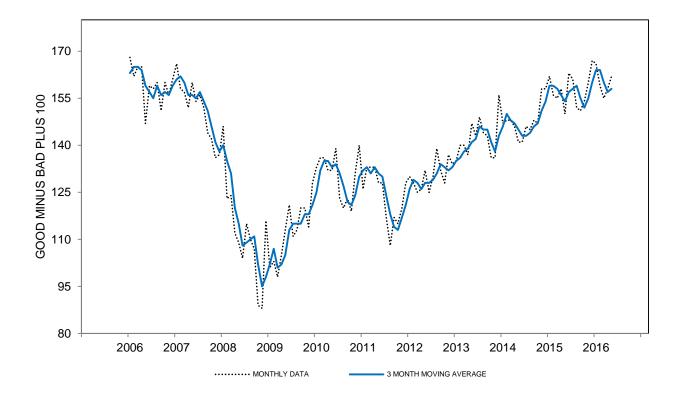
refrigerator, stove, television, and things like that. Generally speaking, do

you think now is a good time or a bad time for people to buy major

household items?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 35: BUYING CONDITIONS FOR LARGE HOUSEHOLD DURABLES** 



**CHART 35: BUYING CONDITIONS FOR LARGE HOUSEHOLD DURABLES** 

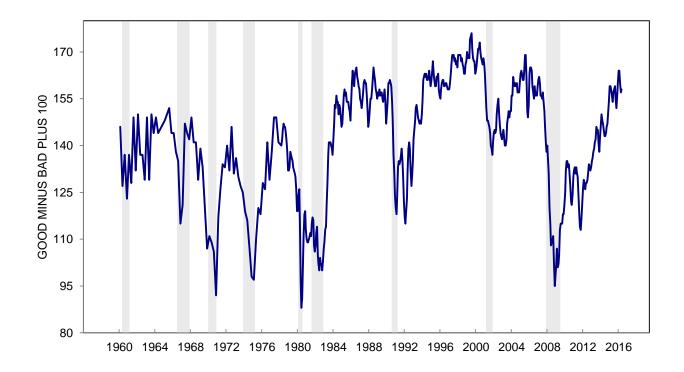


TABLE 36

# SELECTED REASONS FOR OPINIONS ABOUT BUYING CONDITIONS FOR LARGE HOUSEHOLD DURABLES

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
GOOD TIME TO BUY													
Prices are low; good buys available	33%	34%	35%	32%	33%	36%	45%	50%	42%	43%	32%	32%	37%
Prices won't come down; are going higher	9	10	9	10	8	10	8	6	8	7	11	11	9
Interest rates are low	11	14	13	14	13	16	15	15	13	15	14	14	16
Borrow-in-advance of rising interest rates	1	1	1	2	2	1	2	2	2	1	1	1	1
Times are good; prosperity BAD TIME TO BUY	15	15	14	13	11	11	12	12	14	13	11	14	12
Prices are high	9	5	4	7	10	8	6	4	3	10	7	6	7
Interest rates are high; credit is tight	3	2	2	2	3	2	2	2	3	4	2	3	1
Times are bad; can't afford to buy	6	6	6	6	6	8	4	4	7	4	5	7	4
Bad times ahead; uncertain future	7	6	8	7	6	6	6	5	4	4	5	4	4
SELECTED RE	EASON	IS FO	R OPI	NIONS	S ABO	UT DU	JRABI	ES B	UYING	G CON	IDITIO	NS	
	EASON ES LO										IDITIO	NS	
											IDITIO 32	<b>NS</b> 28	27
All Age 18 to 44	ES LO	<b>W - PR</b> 26 23	ICES I	28 29	<b>THREE</b> 26 26	MON	тн мо	VING A	AVERA	39 40		28 24	27 26
All Age 18 to 44 Age 45 to 64	25 23 30	26 23 28	28 27 28	28 29 26	26 26 26 25	25 25 25 24	30 30 30 28	38 40 33	41 45 37	39 40 42	32 30 37	28 24 32	26 27
All Age 18 to 44	25 23	<b>W - PR</b> 26 23	28 27	28 29	<b>THREE</b> 26 26	25 25	<b>TH MO</b> 30 30	<b>VING</b> 4 38 40	41 45	39 40	32 30	28 24	26
All Age 18 to 44 Age 45 to 64	25 23 30	26 23 28	28 27 28	28 29 26	26 26 26 25	25 25 25 24	30 30 30 28	38 40 33	41 45 37	39 40 42	32 30 37	28 24 32	26 27
All Age 18 to 44 Age 45 to 64 Age 65+ Income Bottom Third Income Middle Third	25 23 30 24 25 24	26 23 28 29 23 25	28 27 28 32 23 27	28 29 26 32 24 28	26 26 25 30 22 26	25 25 24 30 21 26	30 30 28 34 26 31	38 40 33 42 39 38	41 45 37 42 43 39	39 40 42 37 41 37	32 30 37 32 28 32	28 24 32 29 22 30	26 27 28 20 30
All Age 18 to 44 Age 45 to 64 Age 65+ Income Bottom Third	25 23 30 24 25	26 23 28 29 23	28 27 28 32 23	28 29 26 32 24	26 26 26 25 30 22	25 25 25 24 30 21	30 30 28 34 26	38 40 33 42 39	41 45 37 42 43	39 40 42 37 41	32 30 37 32 28	28 24 32 29 22	26 27 28 20
All Age 18 to 44 Age 45 to 64 Age 65+ Income Bottom Third Income Middle Third Income Top Third	25 23 30 24 25 24	26 23 28 29 23 25 31	28 27 28 32 23 27 36	28 29 26 32 24 28 35	26 26 25 30 22 26 32	25 25 24 30 21 26 28	30 30 28 34 26 31 33	38 40 33 42 39 38 37	41 45 37 42 43 39 44	39 40 42 37 41 37 43	32 30 37 32 28 32	28 24 32 29 22 30	26 27 28 20 30
All Age 18 to 44 Age 45 to 64 Age 65+ Income Bottom Third Income Middle Third Income Top Third	25 23 30 24 25 24 29	26 23 28 29 23 25 31	28 27 28 32 23 27 36	28 29 26 32 24 28 35	26 26 25 30 22 26 32	25 25 24 30 21 26 28	30 30 28 34 26 31 33	38 40 33 42 39 38 37	41 45 37 42 43 39 44	39 40 42 37 41 37 43	32 30 37 32 28 32	28 24 32 29 22 30	26 27 28 20 30
All Age 18 to 44 Age 45 to 64 Age 65+ Income Bottom Third Income Middle Third Income Top Third	25 23 30 24 25 24 29 TES LO	W - PR  26  23  28  29  23  25  31  W - RA	28 27 28 32 23 27 36 <b>XTES H</b>	28 29 26 32 24 28 35	26 26 25 30 22 26 32 2HREE	25 25 24 30 21 26 28	30 30 28 34 26 31 33 34 H MOV	38 40 33 42 39 38 37 /ING A	41 45 37 42 43 39 44 VERA	39 40 42 37 41 37 43 <b>GES)</b>	32 30 37 32 28 32 39	28 24 32 29 22 30 32	26 27 28 20 30 31
All Age 18 to 44 Age 45 to 64 Age 65+ Income Bottom Third Income Middle Third Income Top Third RAT	25 23 30 24 25 24 29 <b>TES LO</b>	26 23 28 29 23 25 31 <b>W - RA</b> 11 10	28 27 28 32 23 27 36 XTES H 10 11 8	28 29 26 32 24 28 35 IIGH (T 12 9	26 26 25 30 22 26 32 HREE	25 25 24 30 21 26 28 <b>MONT</b> 12	30 30 28 34 26 31 33 7 <b>H MO</b> V 12 12	38 40 33 42 39 38 37 /ING A 13 12 15	41 45 37 42 43 39 44 <b>VERA</b> 12 11 16	39 40 42 37 41 37 43 <b>GES)</b> 11 8 18	32 30 37 32 28 32 39 11 9 15	28 24 32 29 22 30 32 11 9 13	26 27 28 20 30 31
All Age 18 to 44 Age 45 to 64 Age 65+ Income Bottom Third Income Middle Third Income Top Third  RAT All Age 18 to 44	25 23 30 24 25 24 29 <b>ES LO</b> 10	W - PR  26  23  28  29  23  25  31  W - RA  11  10	28 27 28 32 23 27 36 <b>TES H</b> 10	28 29 26 32 24 28 35 IIGH (T 12	26 26 25 30 22 26 32 2HREE 11	25 25 24 30 21 26 28 <b>MONT</b> 12	30 30 28 34 26 31 33 7 <b>H MON</b> 12	38 40 33 42 39 38 37 /ING A	41 45 37 42 43 39 44 <b>VERA</b> 12	39 40 42 37 41 37 43 <b>GES)</b> 11	32 30 37 32 28 32 39	28 24 32 29 22 30 32	26 27 28 20 30 31
All Age 18 to 44 Age 45 to 64 Age 65+ Income Bottom Third Income Middle Third Income Top Third  RAT All Age 18 to 44 Age 45 to 64	25 23 30 24 25 24 29 <b>TES LO</b> 10 10	26 23 28 29 23 25 31 <b>W - RA</b> 11 10	28 27 28 32 23 27 36 XTES H 10 11 8	28 29 26 32 24 28 35 IIGH (T 12 9	26 26 25 30 22 26 32 HREE 11 12 8	25 25 24 30 21 26 28 <b>MONT</b> 12 11 10	30 30 28 34 26 31 33 7 <b>H MO</b> V 12 12	38 40 33 42 39 38 37 /ING A 13 12 15	41 45 37 42 43 39 44 <b>VERA</b> 12 11 16	39 40 42 37 41 37 43 <b>GES)</b> 11 8 18	32 30 37 32 28 32 39 11 9 15	28 24 32 29 22 30 32 11 9 13	26 27 28 20 30 31 13 13
All Age 18 to 44 Age 45 to 64 Age 65+ Income Bottom Third Income Middle Third Income Top Third  RAT All Age 18 to 44 Age 45 to 64 Age 65+	25 23 30 24 25 24 29 <b>ES LO</b> 10 10	26 23 28 29 23 25 31 <b>W - RA</b> 11 10 10	28 27 28 32 23 27 36 <b>TES H</b> 10 11 8 13	28 29 26 32 24 28 35 11GH (T 12 9 15	26 26 25 30 22 26 32 2HREE 11 12 8 14	25 25 24 30 21 26 28 <b>MONT</b> 12 11 10 14	30 30 28 34 26 31 33 7 <b>H MON</b> 12 12 12 13	38 40 33 42 39 38 37 /ING A 13 12 15 13	41 45 37 42 43 39 44 <b>VERA</b> ( 12 11 16 8	39 40 42 37 41 37 43 GES) 11 8 18 9	32 30 37 32 28 32 39 11 9	28 24 32 29 22 30 32 11 9 13 12	26 27 28 20 30 31 13 13 10 15

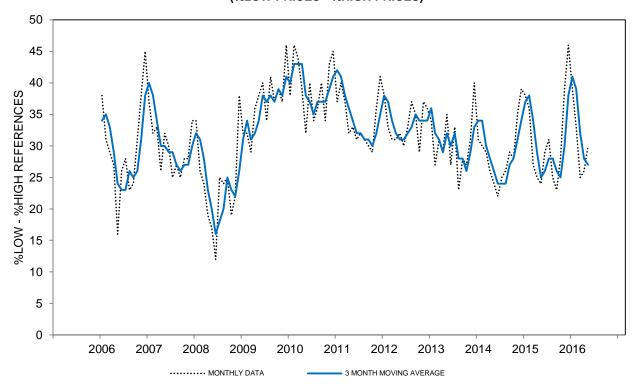
Response to the query:

"Why do you say so?" following the question on Table 35.

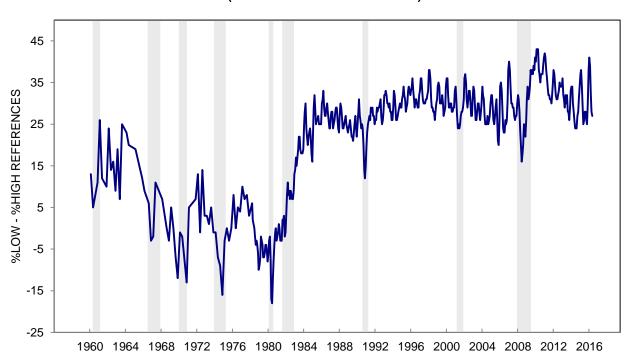
May add to more than 100% due to multiple mentions.

\*: Less than half of one percent.

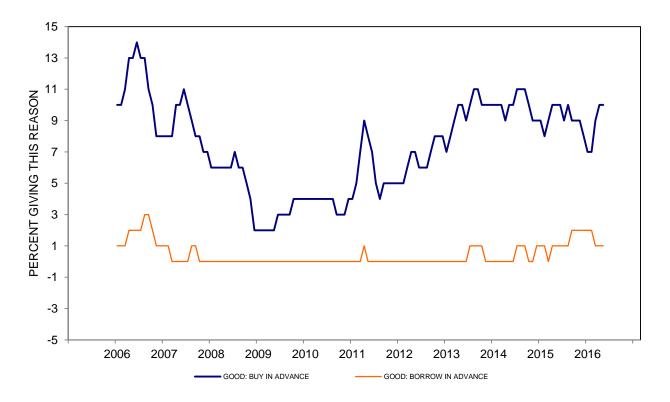
## CHART 36A: PRICE REASONS FOR LARGE HOUSEHOLD DURABLES (%LOW PRICES - %HIGH PRICES)



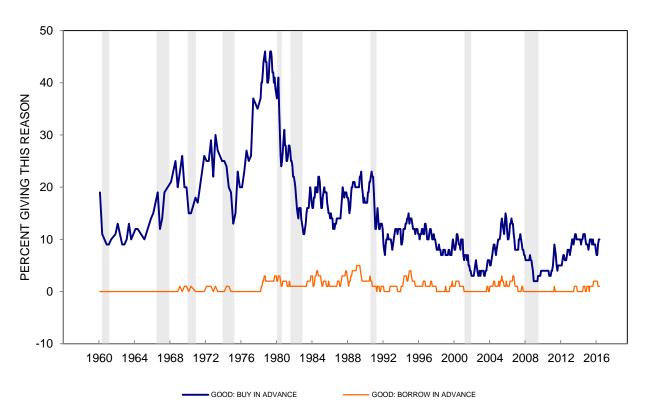
# CHART 36A: PRICE REASONS FOR LARGE HOUSEHOLD DURABLES (%LOW PRICES - %HIGH PRICES)



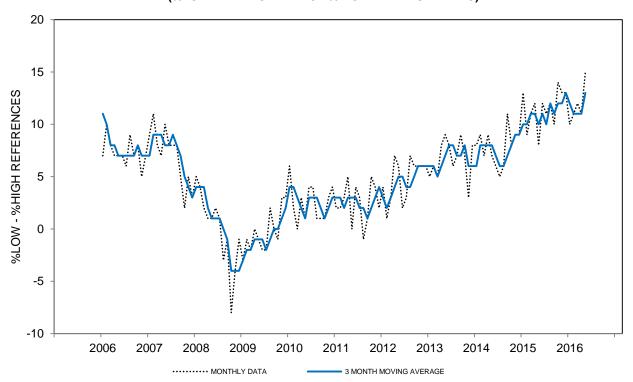
#### CHART 36B: ADVANCE BUYING RATIONALES FOR LARGE HOUSEHOLD DURABLES



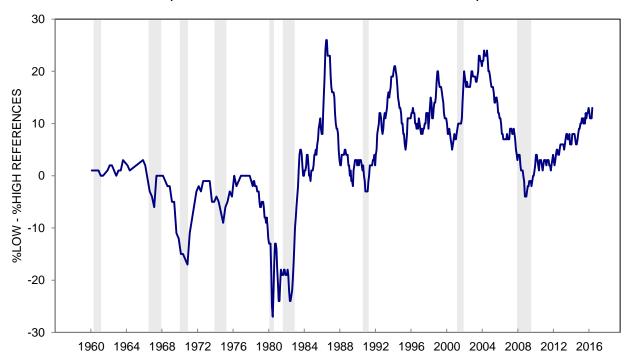
#### CHART 36B: ADVANCE BUYING RATIONALES FOR LARGE HOUSEHOLD DURABLES



## CHART 36C: INTEREST RATE REASONS FOR LARGE HOUSEHOLD DURABLES (%LOW INTEREST RATES - %HIGH INTEREST RATES)



## CHART 36C: INTEREST RATE REASONS FOR LARGE HOUSEHOLD DURABLES (%LOW INTEREST RATES - %HIGH INTEREST RATES)



### CHART 36D: ECONOMIC UNCERTAINTY REASONS FOR LARGE HOUSEHOLD DURABLES (%TIMES ARE GOOD - %TIMES ARE BAD)

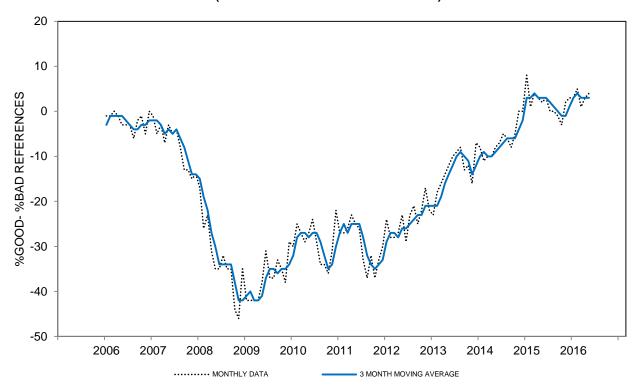
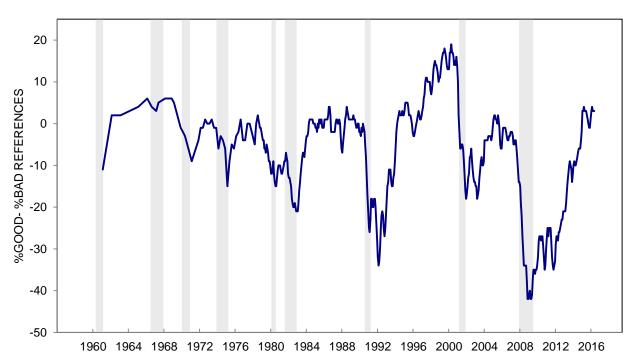


CHART 36D: ECONOMIC UNCERTAINTY REASONS FOR LARGE HOUSEHOLD DURABLES (%TIMES ARE GOOD - %TIMES ARE BAD)



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TABLE 37

### **BUYING CONDITIONS FOR VEHICLES**

	May 2015	Jun 2015	Jul 2015	•	Sep 2015						Mar 2016	Apr 2016	May 2016	
GOOD TIME TO BUY	65%	69%	70%	66%	65%	68%	70%	69%	73%	71%	69%	69%	74%	
UNCERTAIN, DEPENDS	8	7	5	7	6	4	7	3	6	6	7	5	4	
BAD TIME TO BUY	27	24	25	27	29	28	23	28	21	23	24	26	22	
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547	
INDEX SCORE	138	145	145	139	136	140	147	141	152	148	145	143	152	

# BUYING CONDITIONS FOR VEHICLES - INDEX SCORE THREE MONTH MOVING AVERAGES

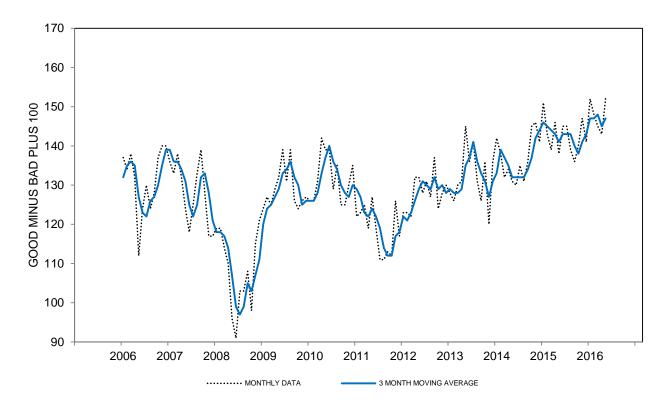
All	141	143	143	143	140	138	141	143	147	147	148	145	147
Age 18 to 44	139	141	140	143	141	138	142	142	146	146	148	148	147
Age 45 to 64	139	142	144	143	136	135	138	145	148	147	146	139	142
Age 65+	147	148	146	142	145	145	146	144	146	150	152	151	153
Income Bottom Third	128	127	126	128	127	126	129	132	138	138	137	130	131
Income Middle Third	138	144	149	148	145	144	144	141	141	144	149	145	146
Income Top Third	158	159	155	154	151	150	156	161	165	162	159	161	163

The question was:

"Speaking now of the automobile market -- do you think the next 12 months or so will be a good time or a bad time to buy a vehicle, such as a car, pickup, van, or sport utility vehicle?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 37: BUYING CONDITIONS FOR VEHICLES** 



**CHART 37: BUYING CONDITIONS FOR VEHICLES** 

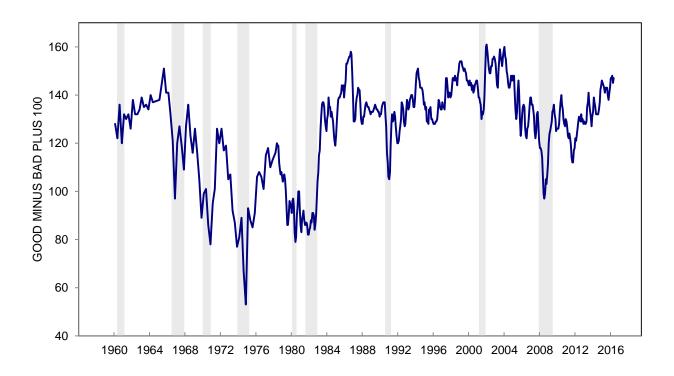


TABLE 38
SELECTED REASONS FOR OPINIONS ABOUT BUYING CONDITIONS FOR VEHICLES

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
GOOD TIME TO BUY													
Prices are low; good buys available	24%	25%	30%	25%	25%	29%	27%	29%	28%	33%	21%	26%	28%
Prices won't come down; are going higher	4	6	4	5	4	5	3	5	6	2	8	6	6
Interest rates are low	22	28	26	26	25	24	28	28	26	27	25	26	29
Borrow-in-advance of rising interest rates	2	2	2	2	2	2	2	3	4	2	2	2	3
Times are good; prosperity	11	13	12	11	11	8	10	9	10	8	11	9	12
New fuel efficient model BAD TIME TO BUY	4	4	3	3	5	2	3	3	3	2	3	3	3
Prices are high	15	14	15	15	15	15	14	13	9	10	12	13	13
Interest rates are high; credit is tight	3	2	3	4	4	5	4	5	4	4	5	5	2
Times are bad; can't afford to buy	7	6	7	9	6	7	6	7	5	6	6	6	4
Bad times ahead; uncertain future	5	4	3	4	4	4	3	3	4	5	6	4	3
Price of gas; shortages	1	1	1	2	1	1	*	2	*	1	1	1	2
Poor selection; quality	5	4	3	3	7	5	3	4	2	3	3	4	4
SELECTED F	REASO	NS F	OR OF	PINION	IS AB	OUT V	/EHIC	LE BU	YING	CONE	OITION	IS	
PRIC	ES LO	W - PR	ICES I	HIGH (	THREE	MON	тн мо	VING A	AVERA	GES)			
All	11	11	12	12	12	11	12	14	16	19	17	15	12
Age 18 to 44	7	7	9	11	9	9	13	13	13	15	14	13	9
Age 45 to 64	10	9	10	12	12	12	11	15	20	22	20	16	15
Age 65+	18	20	21	14	14	13	13	18	18	26	18	19	17
Income Bottom Third	7	4	4	6	6	5	5	9	10	14	9	7	5
Income Middle Third	8	10	18	17	15	14	14	14	15	19	19	16	13
Income Top Third	18	17	15	14	15	16	19	22	25	28	24	22	19
RAT	ES LO	W - RA	TES H	IGH (T	HREE	MONT	H MO	/ING A	VERA	GES)			
All	20	22	23	24	22	21	21	22	23	23	22	21	23
Age 18 to 44	14	16	18	22	21	18	17	16	19	19	19	19	21
Age 45 to 64	24	28	27	27	22	22	24	28	29	27	26	23	24
Age 65+	21	23	24	23	26	26	27	23	20	22	20	23	23
Income Bottom Third	7	9	11	11	11	9	11	11	13	12	11	12	12
Language Milabella, Theirest	0.4	07	00	0.4	0.5	00	40	40	40	0.4	00	0.4	00

Response to the query:

Income Middle Third

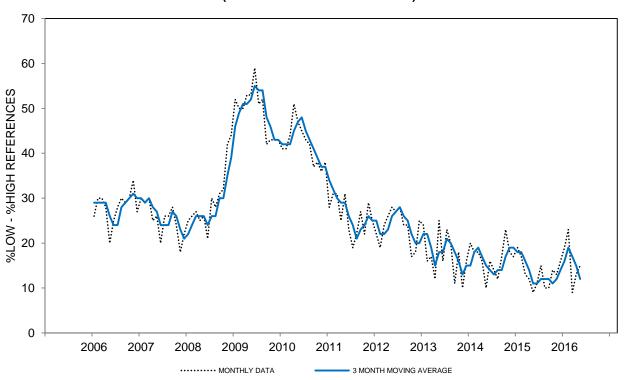
Income Top Third

"Why do you say so?" following the question on Table 37.

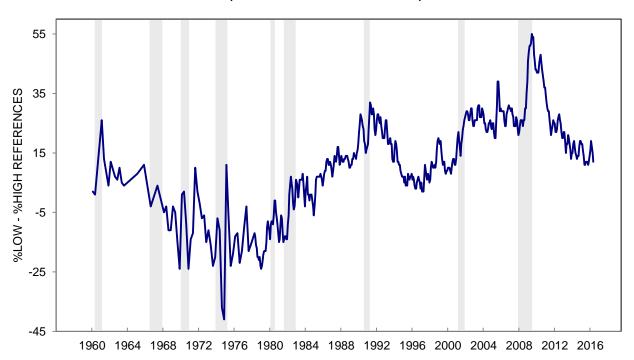
May add to more than 100% due to multiple mentions.

\*: Less than half of one percent.

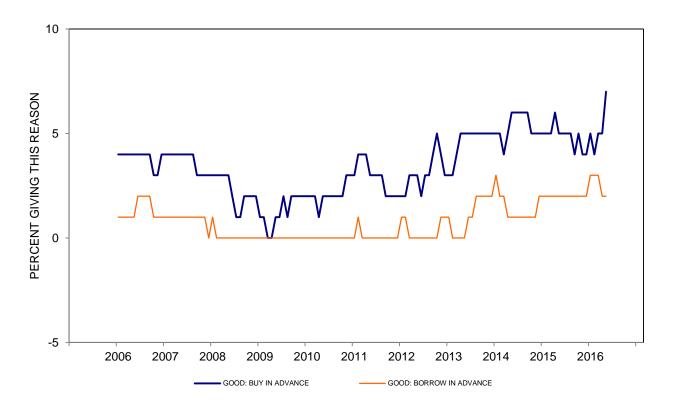
## CHART 38A: PRICE REASONS FOR BUYING CONDITIONS FOR VEHICLES (%LOW PRICES - %HIGH PRICES)



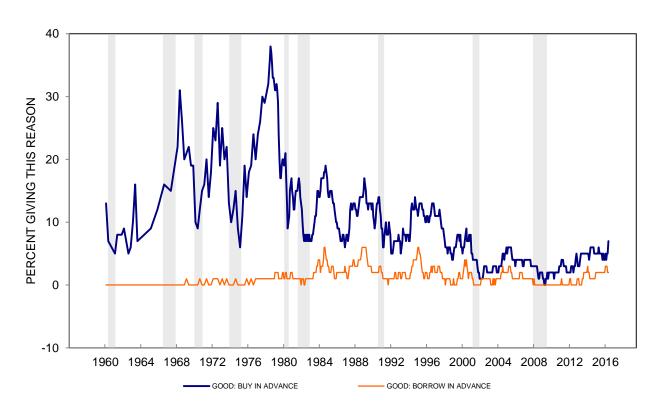
## CHART 38A: PRICE REASONS FOR BUYING CONDITIONS FOR VEHICLES (%LOW PRICES - %HIGH PRICES)



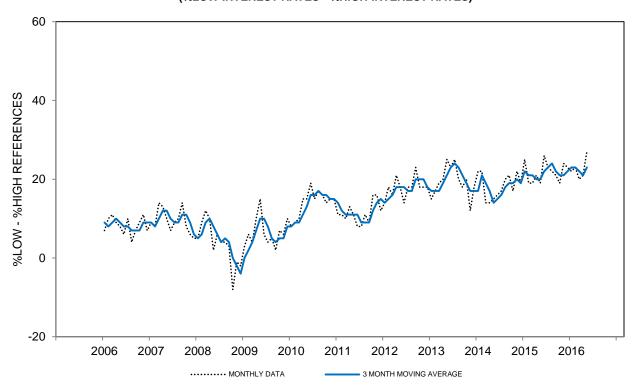
#### CHART 38B: ADVANCE BUYING RATIONALES FOR BUYING CONDITIONS FOR VEHICLES



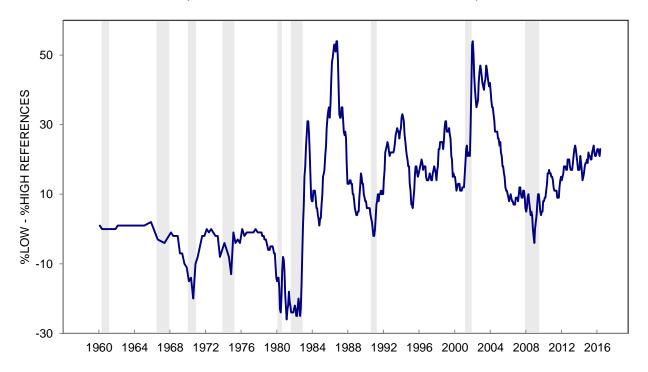
#### CHART 38B: ADVANCE BUYING RATIONALES FOR BUYING CONDITIONS FOR VEHICLES



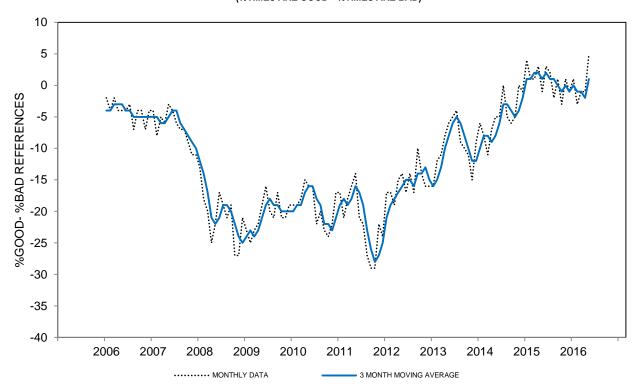
### CHART 38C: INTEREST RATE REASONS FOR BUYING CONDITIONS FOR VEHICLES (%LOW INTEREST RATES - %HIGH INTEREST RATES)



### CHART 38C: INTEREST RATE REASONS FOR BUYING CONDITIONS FOR VEHICLES (%LOW INTEREST RATES - %HIGH INTEREST RATES)



### CHART 38D: ECONOMIC UNCERTAINTY REASONS FOR BUYING CONDITIONS FOR VEHICLES (%TIMES ARE GOOD - %TIMES ARE BAD)



### CHART 38D: ECONOMIC UNCERTAINTY REASONS FOR BUYING CONDITIONS FOR VEHICLES (%TIMES ARE GOOD - %TIMES ARE BAD)



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TABLE 39

EXPECTED CHANGE IN GASOLINE PRICES DURING THE NEXT YEAR

	May 2015	Jun 2015	Jul 2015	Aug 2015				Dec 2015		Feb 2016	Mar 2016	Apr 2016	May 2016	
INCREASE	63%	58%	48%	39%	42%	48%	51%	46%	45%	50%	58%	60%	58%	
REMAIN THE SAME	33	37	40	43	42	41	44	45	41	39	37	35	37	
DECREASE	4	4	12	18	16	10	5	9	14	11	4	5	4	
DK, NA	*	1	*	*	*	1	*	*	*	*	1	*	1	
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547	
MEDIAN INCREASE	12.6	10.1	0.5	0.2	0.3	0.5	4.9	0.4	0.4	0.5	14.6	15.0	10.1	
MEAN INCREASE	22.2	18.7	12.9	8.5	13.1	19.4	18.6	17.0	15.6	20.1	27.3	24.4	21.2	

# EXPECTED CHANGE IN GASOLINE PRICES DURING THE NEXT YEAR - MEDIAN INCREASE THREE MONTH MOVING AVERAGES

All	14.2	11.0	7.7	3.6	0.3	0.3	1.9	1.9	1.9	0.4	5.2	10.0	13.2
Age 18 to 44 Age 45 to 64	12.3 15.4	11.1 12.0	7.9 9.0	3.6 5.5	0.3 2.3	0.4 0.3	2.1 1.8	2.1 3.9	2.0 4.0	3.5 2.5	6.8 6.8	10.2 13.2	10.2 16.6
Age 65+	13.6	8.6	7.0	3.5	0.3	0.3	0.4	0.5	0.4	0.3	5.1	9.0	12.3
Income Bottom Third	10.1	9.0	5.8	4.1	0.4	3.4	3.5	3.5	0.4	3.5	5.6	9.7	9.8
Income Middle Third	19.6	15.5	10.7	4.2	0.3	0.2	4.5	4.6	4.8	0.7	3.9	7.0	10.4
Income Top Third	16.0	12.5	7.8	3.5	0.3	2.0	4.4	4.4	2.6	1.7	8.3	14.7	16.5

The question was:

"Now thinking only about the next twelve months, do you think that the price of gasoline will go up during the next twelve months, will gasoline prices go down, or will they stay about the same as they are now?"

"About how many cents per gallon do you think gasoline prices will (increase/decrease) during the next twelve months compared to now?"

#### CHART 39: EXPECTED CHANGE IN GASOLINE PRICES DURING THE NEXT YEAR

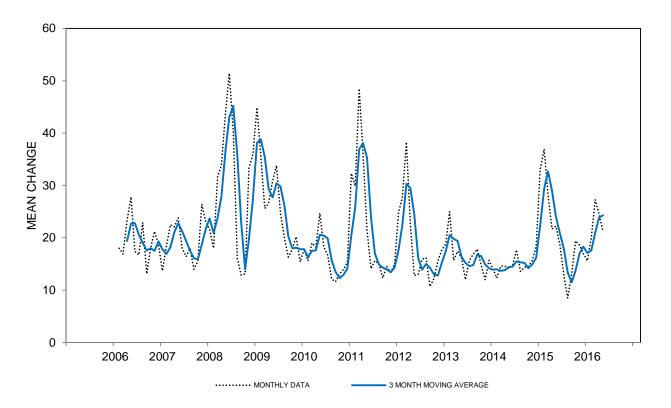
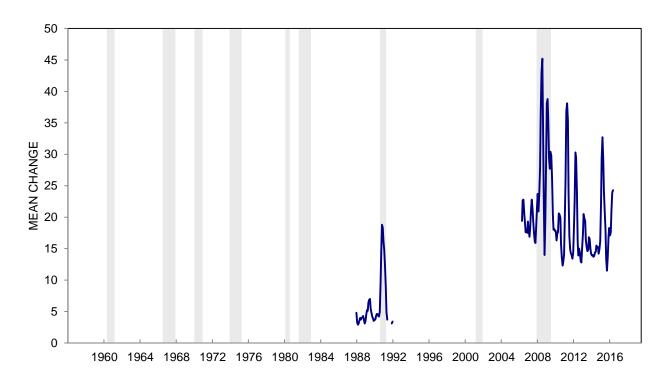


CHART 39: EXPECTED CHANGE IN GASOLINE PRICES DURING THE NEXT YEAR



EXPECTED CHANGE IN GASOLINE PRICES DURING THE NEXT 5 YEARS

TABLE 40

	May 2015	Jun 2015	Jul 2015	Aug 2015		Oct 2015		Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
INCREASE	77%	76%	67%	64%	70%	72%	75%	74%	72%	76%	80%	77%	72%
REMAIN THE SAME	19	19	22	25	21	21	19	20	18	16	14	17	22
DECREASE	3	4	9	10	8	7	5	5	10	7	4	5	4
DK, NA	1	1	2	1	1	*	1	1	*	1	2	1	2
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547
MEDIAN INCREASE	50.3	50.3	49.8	49.6	50.1	59.8	50.3	50.3	55.3	74.7	99.6	75.0	50.2
MEAN INCREASE	73.5	71.3	59.3	54.4	65.6	72.0	67.6	72.4	74.0	82.4	93.0	82.9	67.9

# EXPECTED CHANGE IN GASOLINE PRICES DURING THE NEXT 5 YEARS - MEDIAN INCREASE THREE MONTH MOVING AVERAGES

All	58.7	50.4	50.1	49.9	49.8	53.2	53.4	53.5	52.0	60.1	76.5	83.1	74.9
Age 18 to 44	53.5	50.2	50.2	46.9	46.7	50.0	53.3	53.4	50.2	50.3	66.7	76.6	76.5
Age 45 to 64	75.2	65.3	56.9	56.7	53.3	53.4	54.9	54.9	68.1	83.1	96.3	96.4	80.0
Age 65+	58.2	49.8	40.0	28.5	28.6	46.7	58.4	53.5	45.2	53.5	74.9	75.0	66.6
Income Bottom Third	43.4	43.3	43.1	49.7	49.6	58.1	58.1	54.9	46.6	46.6	66.4	66.5	66.7
Income Middle Third	74.9	61.6	53.3	53.0	49.9	49.9	50.2	55.2	55.4	63.5	71.8	80.1	71.9
Income Top Third	74.7	58.3	56.8	50.0	49.9	58.4	66.8	70.0	70.0	78.3	91.6	99.6	86.5

The question was:

"Do you think that the price of gasoline will go up during the next five years, will gasoline prices go down, or will they stay about the same as they are now?"

"About how many cents per gallon do you think gasoline prices will (increase/decrease) during the next five years compared to now?"

CHART 40: EXPECTED CHANGE IN GASOLINE PRICES DURING THE NEXT 5 YEARS

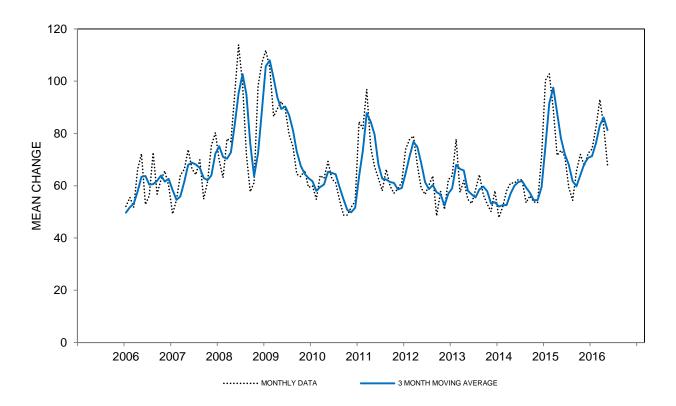
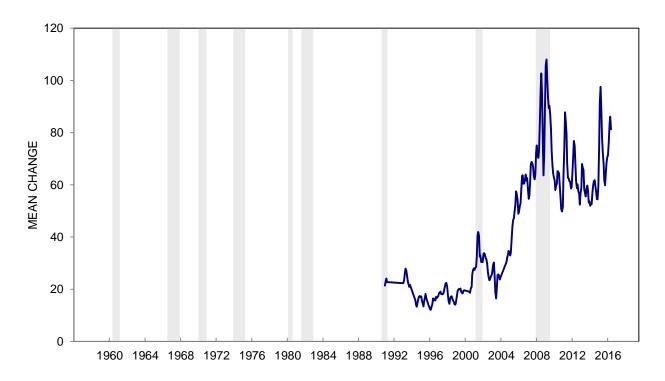


CHART 40: EXPECTED CHANGE IN GASOLINE PRICES DURING THE NEXT 5 YEARS



**TABLE 41** 

### **BUYING CONDITIONS FOR HOUSES**

	May 2015	Jun 2015	Jul 2015	•	Sep 2015					Feb 2016	Mar 2016	Apr 2016	May 2016	
GOOD TIME TO BUY	82%	78%			77%				78%					
UNCERTAIN, DEPENDS	2	2	3	1	1	2	2	2	2	1	2	2	2	
BAD TIME TO BUY	16	20	20	20	22	20	20	21	20	22	22	21	21	
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547	
INDEX SCORE	166	158	157	159	155	158	158	156	158	155	154	156	156	

# BUYING CONDITIONS FOR HOUSES - INDEX SCORE THREE MONTH MOVING AVERAGES

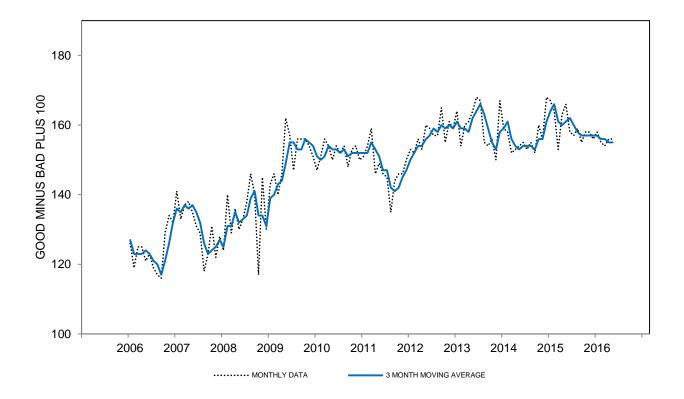
All	161	162	160	158	157	157	157	157	157	156	156	155	155
Age 18 to 44	161	158	156	150	156	156	157	152	151	149	146	149	152
Age 45 to 64	159	164	163	162	154	153	155	161	160	162	158	158	156
Age 65+	162	168	165	165	162	167	163	161	162	162	169	161	159
Income Bottom Third	141	146	145	141	141	143	145	141	138	134	139	142	144
Income Middle Third	164	164	166	163	162	161	161	163	166	166	161	155	156
Income Top Third	181	178	174	171	169	169	166	169	169	171	169	168	166

The question was:

"Generally speaking, do you think now is a good time or a bad time to buy a house?"

Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 41: BUYING CONDITIONS FOR HOUSES** 



**CHART 41: BUYING CONDITIONS FOR HOUSES** 

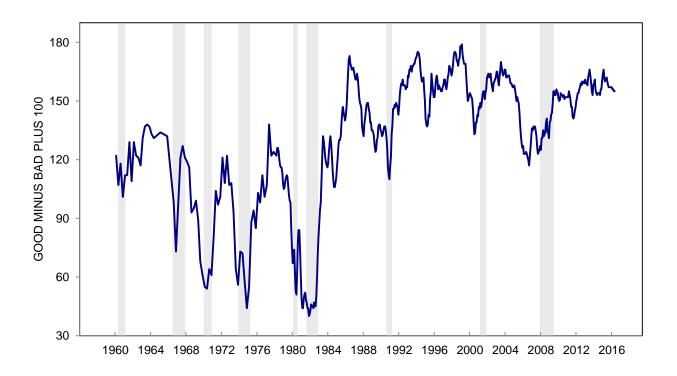


TABLE 42 SELECTED REASONS FOR OPINIONS ABOUT BUYING CONDITIONS FOR HOUSES

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
GOOD TIME TO BUY Prices are low;													
good buys available	35%	32%	34%	30%	30%	28%	27%	35%	30%	29%	28%	26%	26%
Prices won't come down; are going higher	12	10	11	12	12	10	10	9	7	7	11	14	11
Interest rates are low Borrow-in-advance of	46	47	49	46	43	46	47	45	47	47	44	44	45
rising interest rates	7	6	6	7	8	7	8	8	10	7	7	8	7
Times are good; prosperity	10	12	10	10	11	14	11	10	11	12	11	12	13
Capital appreciation; good investment BAD TIME TO BUY	8	7	6	9	10	5	7	9	6	8	9	7	5
Prices are high	7	8	8	9	9	11	10	9	9	12	12	11	15
Interest rates are high; credit is tight	5	5	5	5	6	6	7	6	7	5	5	5	4
Times are bad; can't afford to buy	8	8	7	8	9	9	8	9	9	6	6	7	8
Bad times ahead; uncertain future	3	5	4	5	4	2	3	3	3	5	6	7	3
Capital depreciation; bad investment	1	2	2	1	2	1	1	2	1	*	1	1	1
SELECTED	REAS	ONS F	OR O	PINIO	NS AI	BOUT	номі	E BUY	ING C	ONDI	TIONS	3	
PRIC	ES LO	W - PR	ICES I	HIGH (	THREE	MON	тн мо	VING A	AVERA	GES)			
All	25	25	26	24	23	20	18	20	21	21	18	16	14
Age 18 to 44	26	24	25	21	22	19	18	19	19	18	14	14	14
Age 45 to 64	25	26	28	28	23	20	17	20	22	26	21	17	13
Age 65+	23	25	23	21	22	21	21	23	24	21	20	18	14
Income Bottom Third	22	22	24	20	22	19	18	16	17	15	14	15	15
Income Middle Third	21	23	26	27	25	21	18	18	22	22	17	14	12
Income Top Third	34	31	29	24	21	20	19	25	24	27	23	19	15
RAT	ES LO	W - RA	TES H	IGH (T	HREE	MONT	H MO	/ING A	VERA	GES)			
All	41	41	42	42	41	39	39	40	40	40	40	40	40
Age 18 to 44	34	31	35	35	37	35	33	33	32	33	32	33	33
Age 45 to 64	47	48	48	48	43	42	43	48	48	48	47	47	46
Age 65+	46	50	47	46	44	44	44	41	43	42	46	42	41
Income Bottom Third	19	20	23	23	22	19	19	21	21	23	26	25	24
Income Middle Third	46	45	49	46	45	43	45	45	45	44	43	41	42
Income Top Third	61	61	59	60	56	57	54	56	55	56	54	54	52

Response to the query: "Why do you say so?" following the question on Table 41.

May add to more than 100% due to multiple mentions.

\*: Less than half of one percent.

## CHART 42A: PRICE REASONS FOR BUYING CONDITIONS FOR HOUSES (%LOW PRICES - %HIGH PRICES)

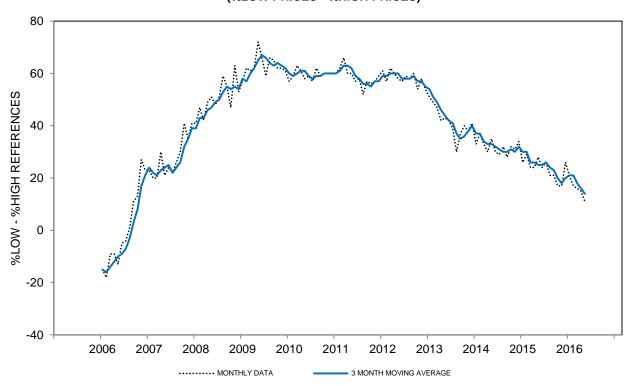


CHART 42A: PRICE REASONS FOR BUYING CONDITIONS FOR HOUSES (%LOW PRICES - %HIGH PRICES)



#### CHART 42B: ADVANCE BUYING RATIONALES FOR BUYING CONDITIONS FOR HOUSES

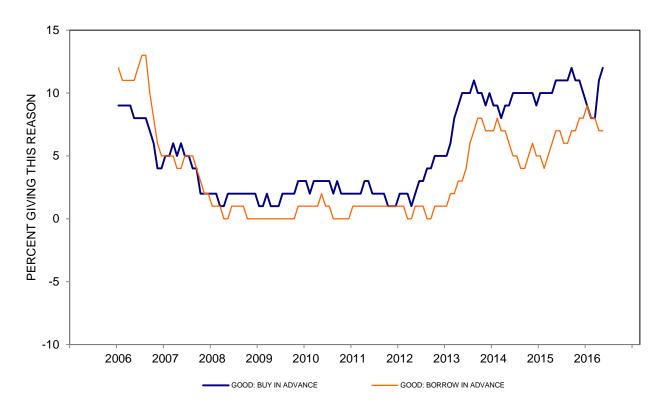
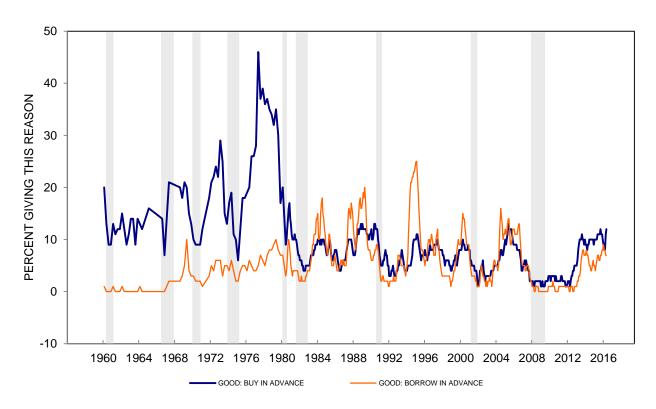


CHART 42B: ADVANCE BUYING RATIONALES FOR BUYING CONDITIONS FOR HOUSES



### CHART 42C: INTEREST RATE REASONS FOR BUYING CONDITIONS FOR HOUSES (%LOW INTEREST RATES - %HIGH INTEREST RATES)

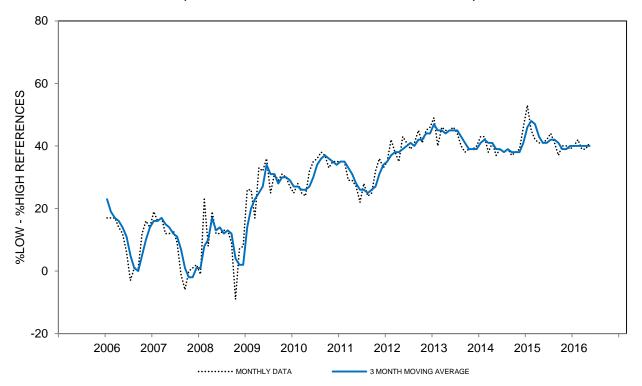
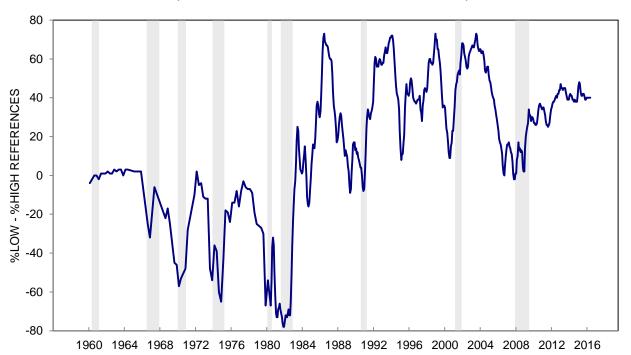
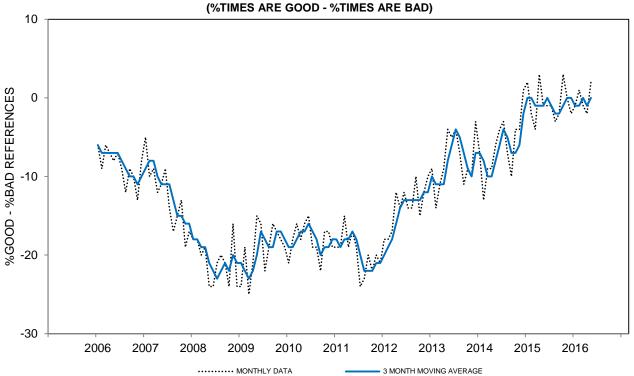


CHART 42C: INTEREST RATE REASONS FOR BUYING CONDITIONS FOR HOUSES (%LOW INTEREST RATES - %HIGH INTEREST RATES)



# CHART 42D: ECONOMIC UNCERTAINTY REASONS FOR BUYING CONDITIONS FOR HOUSES







## CHART 42E: CAPITAL GAIN REASONS FOR BUYING CONDITIONS FOR HOUSES (%CAPITAL APPRECIATION - %CAPITAL DEPRECIATION)

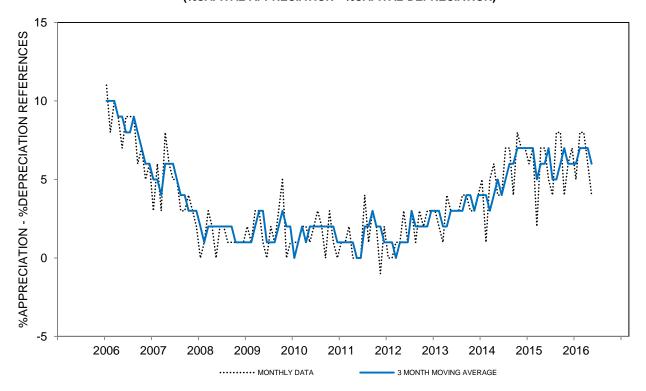


CHART 42E: CAPITAL GAIN REASONS FOR BUYING CONDITIONS FOR HOUSES (%CAPITAL APPRECIATION - %CAPITAL DEPRECIATION)

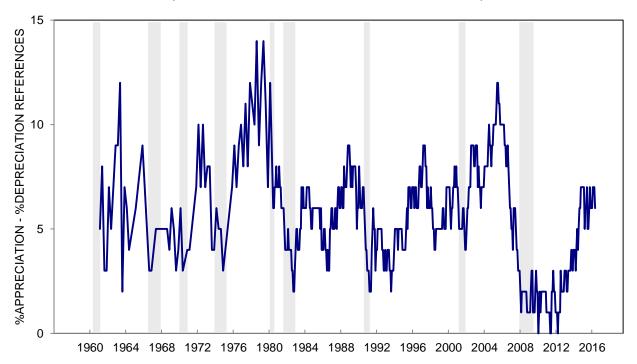


TABLE 43
SELLING CONDITIONS FOR HOUSES

	May 2015	Jun 2015	Jul 2015	•	Sep 2015						Mar 2016	Apr 2016	May 2016	
GOOD TIME TO SELL	54%	58%	57%	60%	54%	56%	56%	53%	58%	61%	59%	57%	64%	
UNCERTAIN, DEPENDS	6	5	3	4	6	4	5	3	2	4	1	2	3	
BAD TIME TO SELL	40	37	40	36	40	40	39	44	40	35	40	41	33	
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
CASES	503	506	501	564	500	503	508	508	503	505	545	528	547	
INDEX SCORE	114	121	117	124	114	116	117	109	118	126	119	116	131	

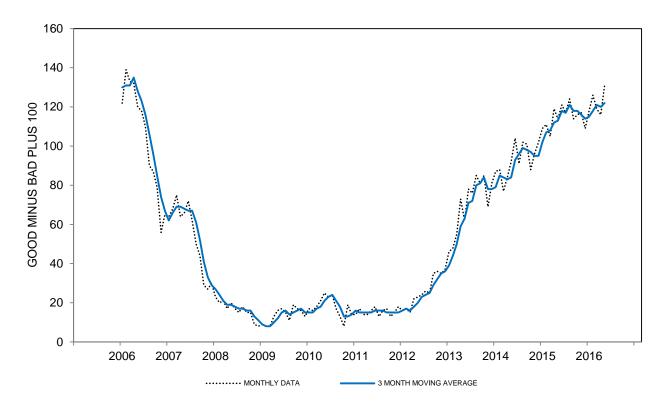
# SELLING CONDITIONS FOR HOUSES - INDEX SCORE THREE MONTH MOVING AVERAGES

All	113	118	117	121	118	118	116	114	115	118	121	120	122
Age 18 to 44	105	111	110	115	114	114	111	108	107	107	112	115	120
Age 45 to 64	115	118	120	119	119	118	120	118	122	127	130	125	125
Age 65+	123	131	127	133	124	125	117	121	118	123	125	123	123
Income Bottom Third	95	102	107	111	109	108	100	98	93	104	110	108	107
Income Middle Third	115	121	117	117	113	114	113	116	121	120	122	119	118
Income Top Third	131	134	133	138	135	131	131	129	130	127	130	135	143

The question was: "Generally speaking, do you think now is a good time or a bad time to sell a house?"

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 43: SELLING CONDITIONS FOR HOUSES** 



**CHART 43: SELLING CONDITIONS FOR HOUSES** 

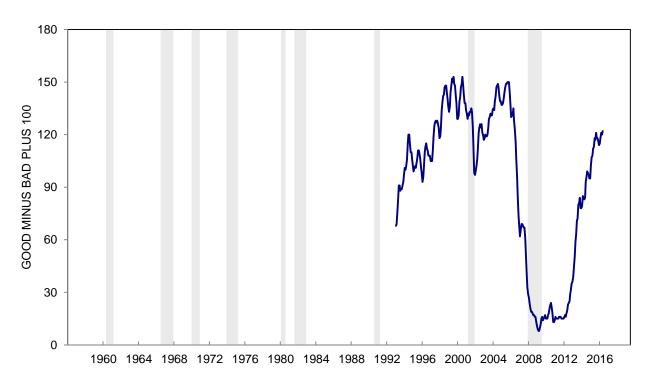


TABLE 44
SELECTED REASONS FOR OPINIONS ABOUT SELLING CONDITIONS FOR HOUSES

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
GOOD TIME TO SELL													
Prices are high; good sales available	15%	20%	20%	24%	20%	18%	22%	20%	20%	24%	25%	18%	26%
Prices won't go up; are going lower	2	1	2	3	1	2	3	2	3	2	2	3	2
Interest rates are low credit is easy	12	18	14	17	17	16	15	16	21	18	14	13	19
Sell-in-advance of rising interest rates	2	1	1	3	2	1	2	3	4	1	2	3	1
Times are good; prosperity	25	22	24	20	21	25	20	19	22	24	21	24	24
Capital appreciation; would make money BAD TIME TO SELL	4	5	3	5	4	2	4	3	2	5	2	4	4
Prices are low	30	23	25	25	30	27	23	27	22	23	29	24	23
Interest rates are high; credit is tight	2	4	4	3	3	3	3	4	4	3	3	3	2
Times are bad; can't afford to buy	11	13	13	9	8	11	13	13	12	12	9	13	11
Bad times ahead; uncertain future	2	2	2	2	3	2	1	1	2	1	3	4	3
Capital depreciation; would lose money	5	6	5	6	7	5	7	6	5	4	5	7	4
SELECTED	REAS	ONS F	OR O	PINIO	NS AE	BOUT	НОМЕ	SELL	ING (	CONDI	TION	S	
PRIC	ES HIG	SH - PR	RICES	LOW (	THREE	MON	тн мо	VING A	AVERA	GES)			
All	-12	-9	-8	-3	-5	-7	-7	-6	-3	-3	-2	-3	-2
Age 18 to 44	-15	-10	-9	-3	-9	-12	-13	-10	-5	-5	-5	-6	-5
Age 45 to 64	-10	-9	-8	-7 2	-5	-4	-3	-4	-2	-1	1	-3	1
Age 65+	-8	-4	-4	3	-1	-3	-3	-1	-3	0	0	0	-3
Income Bottom Third Income Middle Third	-17 -13	-15 -8	-11 -8	-6 -4	-11 -9	-13 -10	-15 -9	-12 -5	-13 -3	-9 -4	-10 -3	-12 -5	-10 -8
Income Top Third	-2	0	1	5	6	2	2	-1	5	3	7	7	12
RAT	ES LO	W - RA	TES H	IGH (T	HREE	MONT	H MO\	/ING A	VERA	GES)			
All	10	12	11	13	13	14	13	12	14	15	14	12	13
Age 18 to 44	4	7	6	7	7	8	7	7	7	9	9	8	8
Age 45 to 64	13	17	18	20	19	17	, 16	15	19	20	19	15	15
Age 65+	19	17	13	13	15	19	20	17	17	17	16	13	16
Income Bottom Third	1	1	5	7	7	5	4	6	7	9	8	6	5
Income Middle Third	12	16	14	14	13	13	12	11	15	18	19	14	14
Income Top Third	18	20	18	18	18	21	21	19	18	17	17	16	19

Response to the query: "Why do you say so?" following the question on Table 43.

May add to more than 100% due to multiple mentions.

<sup>\*:</sup> Less than half of one percent.

## CHART 44A: PRICE REASONS FOR SELLING CONDITIONS FOR HOUSES (%HIGH PRICES - %LOW PRICES)

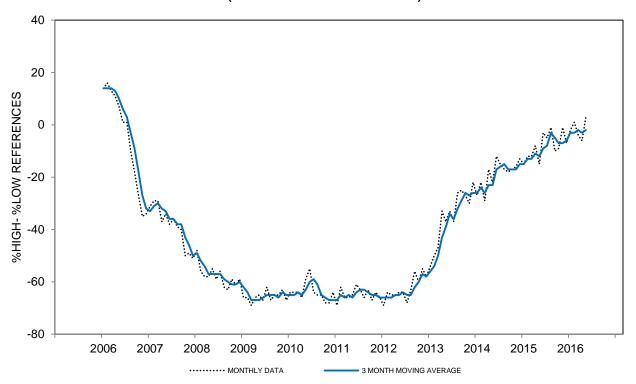
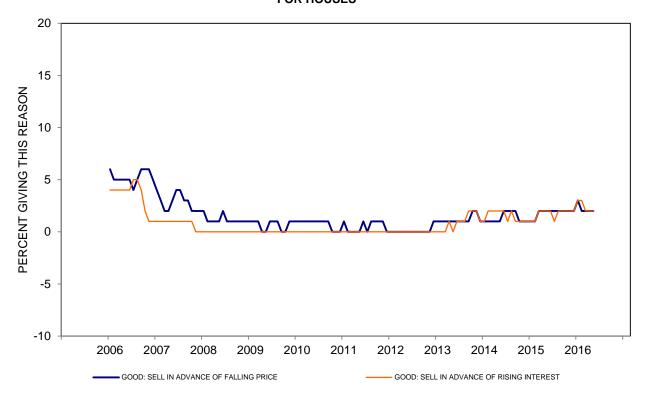


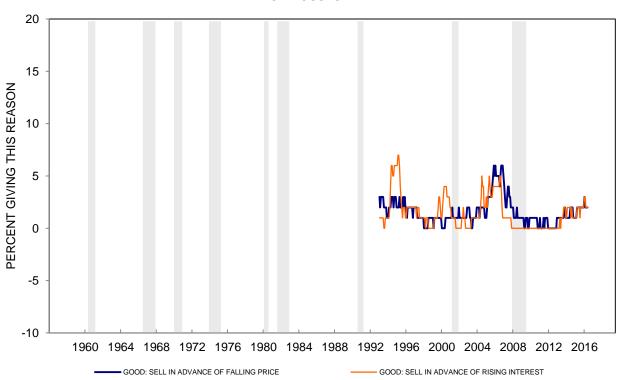
CHART 44A: PRICE REASONS FOR SELLING CONDITIONS FOR HOUSES (%HIGH PRICES - %LOW PRICES)



### CHART 44B: SELLING IN ADVANCE RATIONALES FOR SELLING CONDITIONS FOR HOUSES



### CHART 44B: SELLING IN ADVANCE RATIONALES FOR SELLING CONDITIONS FOR HOUSES



### CHART 44C: INTEREST RATE REASONS FOR SELLING CONDITIONS FOR HOUSES (%LOW INTEREST RATES - %HIGH INTEREST RATES)

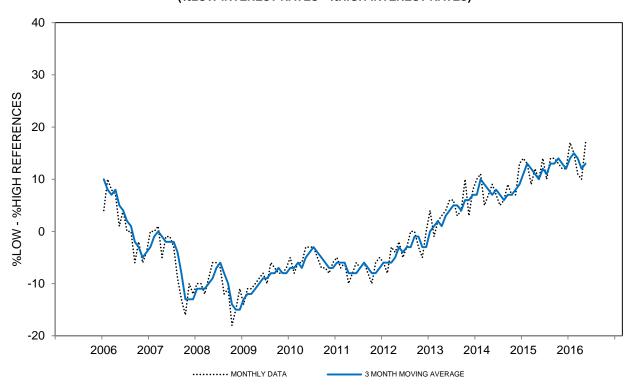


CHART 44C: INTEREST RATE REASONS FOR SELLING CONDITIONS FOR HOUSES (%LOW INTEREST RATES - %HIGH INTEREST RATES)

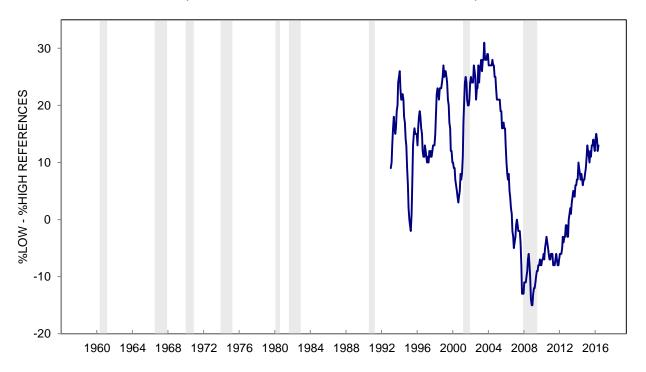
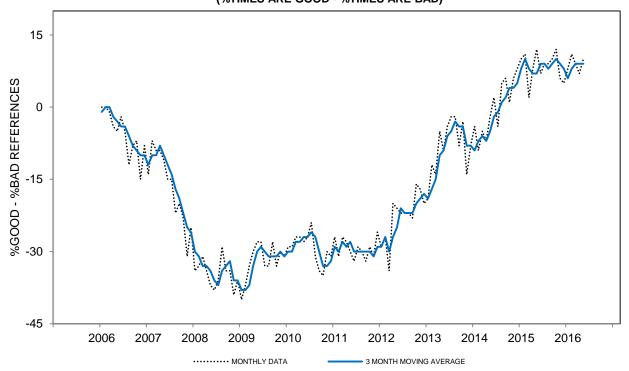
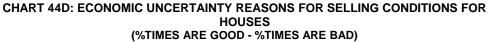
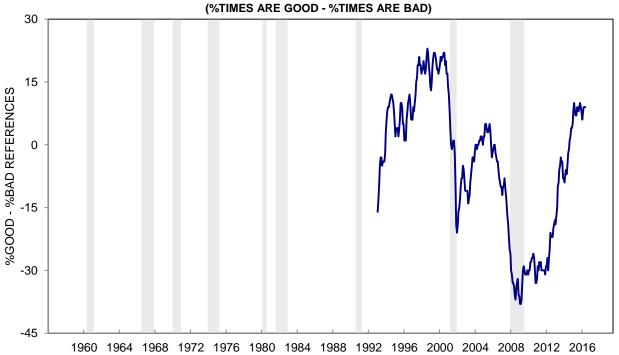


CHART 44D: ECONOMIC UNCERTAINTY REASONS FOR SELLING CONDITIONS FOR HOUSES

(%TIMES ARE GOOD - %TIMES ARE BAD)







### CHART 44E: CAPITAL GAIN REASONS FOR SELLING CONDITIONS FOR HOUSES (%CAPITAL APPRECIATION - %CAPITAL DEPRECIATION)

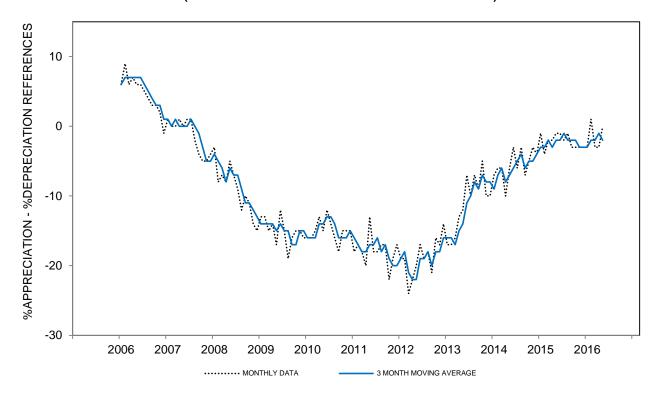


CHART 44E: CAPITAL GAIN REASONS FOR SELLING CONDITIONS FOR HOUSES (%CAPITAL APPRECIATION - %CAPITAL DEPRECIATION)

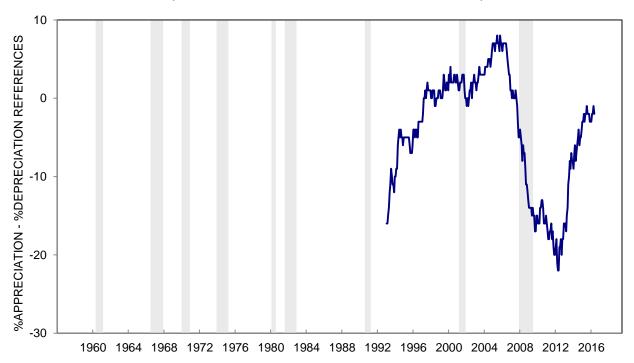


TABLE 45
CHANGE IN HOME VALUES DURING THE PAST YEAR

	May 2015	Jun 2015	Jul 2015	U					Jan 2016		Mar 2016	Apr 2016	May 2016	
VALUE INCREASED	50%	55%	52%	51%	54%	55%	51%	49%	47%	48%	52%	53%	57%	
VALUE SAME	37	35	38	38	31	35	39	39	43	41	39	36	35	
VALUE DECREASED	12	10	9	11	14	10	10	11	9	10	9	10	7	
DK, NA	1	*	1	*	1	*	*	1	1	1	*	1	1	
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
CASES	330	344	353	383	349	356	340	349	349	361	395	369	380	
INDEX SCORE	138	145	143	140	140	145	141	138	138	138	143	143	150	

# CHANGE IN HOME VALUES DURING THE PAST YEAR - INDEX SCORE THREE MONTH MOVING AVERAGES

All	138	140	142	143	141	142	142	141	139	138	140	141	145
Age 18 to 44	145	147	146	151	149	152	150	149	147	143	143	145	150
Age 45 to 64	132	137	143	141	139	137	137	138	139	142	142	141	144
Age 65+	139	141	139	138	135	138	139	138	133	129	134	137	141
Income Bottom Third	117	110	114	120	119	123	121	122	117	115	113	114	122
Income Middle Third	131	138	140	140	142	141	142	141	141	140	140	141	144
Income Top Third	156	157	160	157	153	154	153	152	148	148	153	156	160
Home Value Bottom Third	105	109	108	114	111	114	114	118	115	112	111	111	120
Home Value Middle Third	148	149	151	148	145	146	145	146	143	147	147	151	151
Home Value Top Third	162	164	168	166	165	166	166	164	161	157	160	161	165

The question was: "Do you think the current value of your home--I mean, what it would bring

if you sold it today--has increased compared with a year ago, has

decreased compared with a year ago, or has it remained about the same?"

CASES is the number of homeowners.

<sup>\*:</sup> Less than half of one percent. Index Score is the percent favorable minus the percent unfavorable plus 100

**CHART 45: CHANGE IN HOME VALUES DURING THE PAST YEAR** 

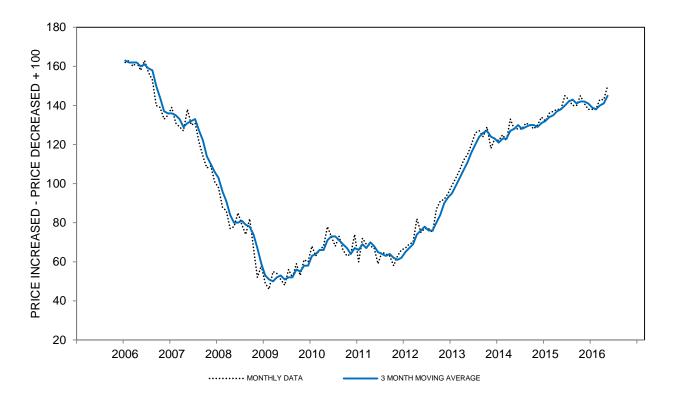


CHART 45: CHANGE IN HOME VALUES DURING THE PAST YEAR

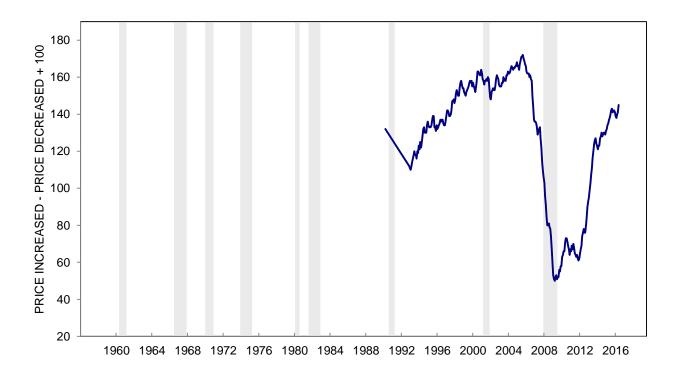


TABLE 46

### **EXPECTED CHANGE IN HOME VALUES DURING THE NEXT YEAR**

	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
	2015	2015	2015	2015	2015	2015	2015	2015	2016	2016	2016	2016	2016
INCREASE	43%	45%	43%	48%	41%	39%	44%	44%	42%	40%	45%	46%	49%
REMAIN THE SAME	47	48	50	44	50	53	47	48	51	54	46	45	43
DECREASE	9	7	7	8	9	7	9	8	7	6	9	9	7
DK, NA	1	*	*	*	*	1	*	*	*	*	*	*	1
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	330	344	353	383	349	356	340	349	349	361	395	369	380
MEDIAN INCREASE	0.4	0.4	0.4	0.5	0.3	0.2	0.3	0.4	0.3	0.3	0.4	0.4	0.5
25th PERCENTILE	-0.2	-0.1	-0.1	-0.1	-0.2	-0.5	-0.5	-0.1	-0.5	-0.2	-0.2	-0.1	-0.4
75th PERCENTILE	3.4	4.5	4.5	4.9	3.6	3.3	3.5	4.5	3.9	4.2	4.6	4.6	4.7
INTERQUARTILE													
RANGE (75th-25th)	3.6	4.6	4.7	5.0	3.8	3.8	4.0	4.6	4.4	4.4	4.8	4.7	5.1
MEAN INCREASE	1.9	2.2	2.0	2.7	1.7	1.5	1.9	1.7	2.0	2.0	2.0	1.8	2.3
VARIANCE	27	21	21	34	35	26	29	34	32	27	30	41	31

# EXPECTED CHANGE IN HOME VALUES DURING THE NEXT YEAR - MEDIAN INCREASE THREE MONTH MOVING AVERAGES

All	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
Age 18 to 44	0.4	0.7	0.7	1.4	1.1	1.1	0.8	1.2	1.1	0.7	0.3	0.7	0.8
Age 45 to 64	0.3	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.7
Age 65+	0.3	0.3	0.3	0.5	0.3	0.2	0.0	0.2	0.2	0.2	0.3	0.3	0.3
Income Bottom Third	-0.1	0.1	0.2	0.3	0.5	0.4	0.3	-0.1	-0.2	-0.1	0.0	0.2	0.2
Income Middle Third	0.4	0.5	0.5	0.3	0.3	0.2	0.2	0.3	0.5	0.5	0.5	0.3	0.4
Income Top Third	1.1	1.3	1.0	1.7	1.2	1.1	0.4	0.4	0.4	0.4	8.0	1.3	1.9
Home Value Bottom Third	0.1	0.1	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.0
Home Value Middle Third	0.3	0.7	0.7	0.7	0.3	0.3	0.2	0.2	0.1	0.3	0.4	0.5	0.6
Home Value Top Third	2.5	2.7	2.6	2.7	2.0	1.3	1.2	1.2	1.4	0.6	1.3	1.7	2.5

The questions were:

"What do you think will happen to the prices of homes like yours in your community over the next 12 months? Will they increase at a rapid rate, increase at a moderate rate, remain about the same, decrease at a moderate rate, or decrease at a rapid rate?"

"By about what percent do you expect prices of homes like yours in your community to go (up/down), on average, over the next 12 months?"

CASES is the number of homeowners.

<sup>\*:</sup> Less than half of one percent.

CHART 46: EXPECTED MEAN CHANGE IN HOME VALUES DURING THE NEXT YEAR

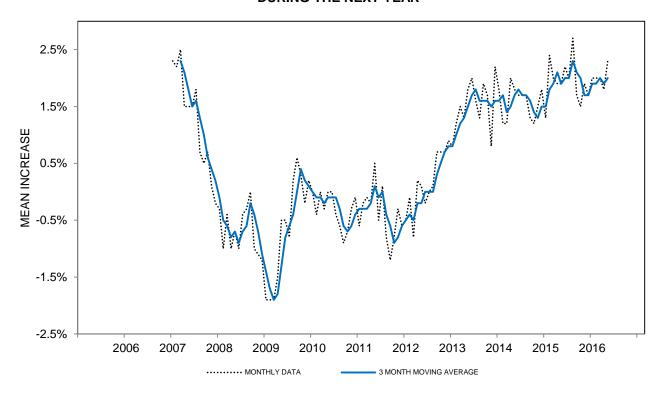


CHART 46: EXPECTED MEAN CHANGE IN HOME VALUES DURING THE NEXT YEAR

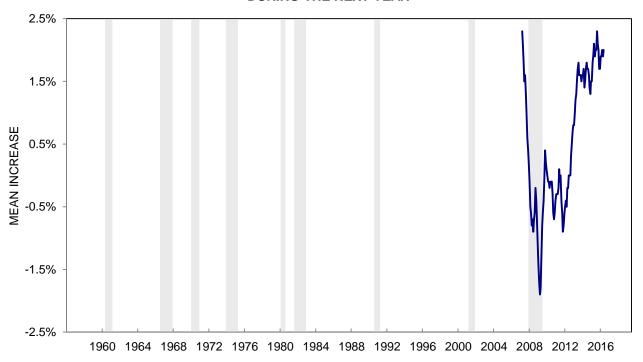


TABLE 47
EXPECTED CHANGE IN HOME VALUES DURING THE NEXT 5 YEARS

	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	Mar 2016	Apr 2016	May 2016
INCREASE	64%	68%	68%	68%	64%	64%	63%	63%	63%	62%	68%	65%	63%
REMAIN THE SAME	24	24	23	21	26	25	28	27	27	27	24	25	28
DECREASE	10	7	8	10	9	9	7	9	9	11	7	9	9
DK, NA	2	1	1	1	1	2	2	1	1	*	1	1	*
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
CASES	330	344	353	383	349	356	340	349	349	361	395	369	380
MEDIAN INCREASE	2.2	2.5	2.3	2.4	1.9	1.9	2.1	2.2	2.1	1.9	2.5	2.1	1.9
25th PERCENTILE	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
75th PERCENTILE	4.7	4.7	4.7	4.9	4.5	4.5	4.6	4.6	4.6	4.5	4.8	4.2	4.6
INTERQUARTILE RANGE (75th-25th)	4.6	4.4	4.5	4.7	4.4	4.4	4.5	4.6	4.5	4.5	4.7	4.1	4.5
MEAN INCREASE	2.4	2.9	2.7	2.8	2.6	2.2	2.6	1.9	2.2	2.4	2.8	2.1	2.2
VARIANCE	23	28	17	21	26	22	18	28	27	25	28	22	20

# EXPECTED CHANGE IN HOME VALUES DURING THE NEXT 5 YEARS - MEDIAN INCREASE THREE MONTH MOVING AVERAGES

All	2.2	2.3	2.3	2.4	2.2	2.1	2.0	2.1	2.1	2.1	2.2	2.2	2.2
Age 18 to 44	2.2	2.3	2.2	2.4	2.3	2.3	2.1	2.0	2.2	2.1	2.1	2.1	2.0
Age 45 to 64	2.3	2.3	2.5	2.4	2.1	1.8	1.7	1.9	2.1	2.2	2.4	2.4	2.5
Age 65+	1.9	2.4	2.3	2.5	2.1	2.1	2.1	2.2	1.9	1.7	1.8	2.0	1.7
Income Bottom Third	0.4	0.5	0.7	1.2	1.0	1.1	0.9	8.0	0.6	0.4	0.5	0.7	0.6
Income Middle Third	2.1	2.7	2.7	2.4	2.1	2.2	2.3	2.3	2.4	2.3	2.5	2.3	2.1
Income Top Third	2.7	2.7	2.7	2.8	2.6	2.3	2.1	2.2	2.3	2.4	2.4	2.6	2.7
Home Value Bottom Third	0.4	0.5	0.8	1.0	1.0	0.8	1.1	1.1	1.4	0.9	1.1	0.7	0.8
Home Value Middle Third	2.0	2.3	2.3	2.4	2.1	2.0	1.6	1.9	2.0	2.4	2.3	2.6	2.4
Home Value Top Third	3.3	3.3	3.1	3.1	3.0	2.9	2.7	2.7	2.6	2.5	2.6	2.7	2.8

The questions were:

"What about the outlook for prices of homes like yours in your community over the next 5 years or so? Do you expect them to

increase, remain about the same, or decrease?"

"By about what percent per year do you expect prices of homes like yours in your community to go (up/down), on average, over the next 5

years or so?"

CASES is the number of homeowners.

<sup>\*:</sup> Less than half of one percent.

CHART 47: EXPECTED MEAN CHANGE IN HOME VALUES DURING THE NEXT FIVE YEARS

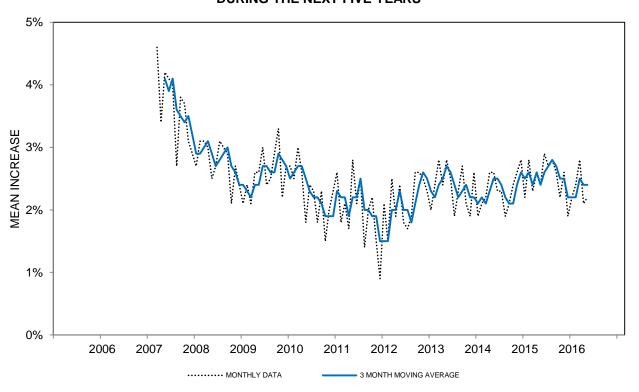
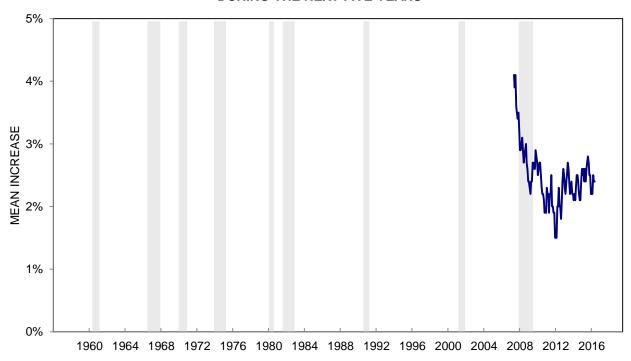


CHART 47: EXPECTED MEAN CHANGE IN HOME VALUES DURING THE NEXT FIVE YEARS



#### RECOMMENDED ALLOWANCE FOR SAMPLING ERROR OF A PERCENTAGE

(Sampling Error Allowance in Percentage Points<sup>1</sup>)

For Estimated Percentage Near	Number of Interviews											
	100	200	300	400	500	750	1000	1250	1500	2000	2500	3000
1% or 99%	2.2	1.6	1.3	1.1	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.4
5% or 95%	4.9	3.5	2.8	2.4	2.2	1.8	1.5	1.4	1.3	1.1	1.0	0.9
10% or 90%	6.7	4.8	3.9	3.4	3.0	2.4	2.1	1.9	1.7	1.5	1.3	1.2
20% or 80%	9.0	6.3	5.2	4.5	4.0	3.3	2.8	2.5	2.3	2.0	1.8	1.6
30% or 70%	10.3	7.3	5.9	5.1	4.6	3.7	3.2	2.9	2.6	2.3	2.0	1.9
40% or 60%	11.0	7.8	6.3	5.5	4.9	4.0	3.5	3.1	2.8	2.4	2.2	2.0
50%	11.2	7.9	6.5	5.6	5.0	4.1	3.5	3.2	2.9	2.5	2.2	2.0

<sup>&</sup>lt;sup>1</sup> The figures in this table represent two standard errors. Hence, the chances are 95 in 100 that the true percentage lies within a range equal to the observed percentage, plus or minus the sampling error.

#### **DESCRIPTION OF CHARTS**

#### **DATA POINTS**

QUARTERLY DATA: Data collected by surveys conducted at three month intervals before 1978.

MONTHLY DATA: Data collected by surveys conducted each month since January of 1978.

THREE-MONTH Each point plotted represents the average of the three MOVING AVERAGE monthly observations ending at the date plotted.

HISTORICAL SERIES CHARTS Quarterly data prior to 1978 and three month moving average starting in 1978.

#### TIME SCALE

Each tic mark on the time scale represents the month of January for the indicated year.

#### **RECESSION PERIODS**

December	1948 - October	1949
August	1953 - May	1954
September	1957 - April	1958
May	1960 - February	1961
July	1966 - November	1967*
January	1970 - November	1970
December	1973 - March	1975
February	1980 - July	1980
August	1981 - November	1982
August	1990 - March	1991
March	2001 - November	2001
December	2007 - June	2009

Recession dates are determined by the National Bureau of Economic Research.

RECESSION PERIOD: Reduction in the national output of goods and services, generally

lasting at least two quarters.

\*GROWTH RECESSION: Retardation in the rate of growth of output and employment (usually

followed by a recession and always the initial stage of a recession).