

ENERGY POLL

TOPLINE – WAVE 10, January 2016

	Wave 1	Wave 2	Wave 3	Wave 4	Wave 5	Wave 6	Wave 7	Wave 8	Wave 9	Wave 10
Base*	3406	2371	2092	2113	2144	2133	2105	2078	2019	2043
Conducted	Sep '11	Mar '12	Sep '12	Mar '13	Sep '13	Mar '14	Sep '14	Mar '15	Sep '15	Jan '16

*unless otherwise noted

Note: All findings are based on weighted data

D1. Are you...

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
49	49	49	48	48	48	49	49	49	49	Male
51	51	52	52	52	52	51	51	51	51	Female

D2. Into which of the following age groups do you fall?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
13	13	13	13	13	13	13	13	13	13	18-24 years
18	18	18	17	18	18	18	18	18	17	25-34 years
17	18	18	18	18	18	18	18	17	18	35-44 years
19	19	19	20	19	19	19	20	20	19	45-54 years
16	16	15	15	16	16	16	16	15	15	55-64 years
17	17	17	17	18	17	17	17	17	17	65+ years

D3. Do you consider yourself to be of Hispanic, Latino or Spanish origin?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
87	86	86	87	87	86	86	86	85	86	No, not of Hispanic, Latino or Spanish origin
13	14	14	13	13	14	14	14	15	15	Yes (Collapsed)
7	6	6	6	6	8	8	8	7	6	Yes, Mexican, Mexican-American, Chicano
2	3	3	2	2	2	2	2	3	3	Yes, Puerto Rican
1	1	1	1	1	2	1	1	1	1	Yes, Cuban
3	4	4	4	4	3	4	3	4	5	Yes, another Hispanic, Latino, or Spanish origin

D4. What is your racial or ethnic heritage?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
69	68	69	69	70	69	70	68	68	67	White
13	14	14	13	13	14	14	14	15	15	Hispanic
12	12	12	11	11	11	11	12	12	12	African American or Black
6	6	6	6	6	6	5	6	6	6	Other

D5. Which of the following income groups includes your TOTAL FAMILY INCOME in [XXXX] before taxes?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
19	19	19	19	19	19	19	19	19	19	Less than \$20,000
10	11	10	11	11	10	10	10	10	10	\$20,000 to less than \$30,000
10	10	10	10	10	10	10	10	10	10	\$30,000 to less than \$40,000
9	9	9	9	9	9	9	9	9	9	\$40,000 to less than \$50,000
18	18	18	18	18	17	17	17	17	17	\$50,000 to less than \$75,000
11	11	11	11	11	11	11	11	11	11	\$75,000 to less than \$100,000
17	16	16	17	14	17	16	17	16	17	\$100,000 to less than \$200,000
2	2	2	2	4	2	3	2	3	2	\$200,000 or more
4	4	4	4	4	4	4	4	4	4	Prefer not to answer
										Collapsed
49	49	49	49	49	49	49	48	49	49	Less than \$50,000
47	47	47	47	47	47	47	48	47	47	\$50,000 +

D7. What is the last grade of school you completed?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
4	3	6	3	5	4	4	7	5	5	Less than high school graduate
36	36	36	37	35	37	37	36	35	36	Graduated high school
4	4	4	3	4	4	4	4	4	4	Vocational school/Technical school
17	17	17	17	18	17	17	16	17	18	Some college-2 years or less
9	9	9	9	9	8	8	9	8	7	Some college-more than 2 years
18	17	18	18	18	18	18	18	20	18	Graduated college
4	4	3	3	2	3	3	2	3	2	Post-graduate work without a degree
9	10	9	10	10	8	9	8	8	9	Post-graduate degree [e.g. MA, MBA, LLD, PhD]
<u>Collapsed</u>										
40	39	41	40	39	41	41	43	40	41	High school or less
30	30	29	29	31	29	29	29	29	29	Some College/Technical School
31	31	30	30	30	30	30	28	30	30	Graduated College or greater

D9. Generally speaking, which of the following best describes your political affiliation?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
10	18	19	18	19	16	16	17	17	21	Strong Democrat
30	20	21	22	22	21	21	21	21	19	Somewhat / Lean Democrat (W1:/Democrat)
16	16	14	13	15	15	17	15	18	15	Strictly Independent
--	3	3	4	3	4	5	5	5	4	Libertarian
25	19	17	18	16	17	17	17	17	17	Somewhat / Lean Republican (W1:/Republican)
6	14	13	15	12	14	14	11	13	15	Strong Republican
8	6	6	5	8	6	3	4	2	2	Other
6	5	7	5	5	7	8	11	9	8	Prefer not to answer
<u>Collapsed</u>										
40	38	40	40	41	37	37	38	38	40	Democrat
31	32	30	33	28	31	31	28	29	32	Republican

D11. Where is it **most important** for the U.S. government to spend your tax dollars, and separately, where is it **least important**?
(W1: If you were in charge of the US budget, in which of the following areas are you **most likely to put more money** and, separately, where are you the **least likely to put more money**?)

Ranked by % in Wave 10 ▲=Change in ranking

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	% Most Important
36	32	35	30	27	28	25	18	19	18	Job creation
8	13	11	14	11	14	17	20	17	18	Military and defense
13	12	12	15	17	15	15	16	17	18	Social Security
12	15	14	13	13	14	13	13	15	14▲	Health care
15	13	15	13	17	14	14	17	15	13	Education
2	3	3	4	4	5	5	6	6	7▲	Environment (W1: Environ. protection)
6	7	6	7	7	7	7	8	7	6	Infrastructure development / maintenance
7	4	3	2	3	3	2	2	2	3	Energy (W1: Energy security/innovation)
2	2	2	2	2	1	2	1	2	2	Other most

Ranked by % in Wave 10 ▲=Change in ranking

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	% Least Important
18	23	21	17	18	21	21	20	18	21▲	Environment (W1: Environ. protection)
17	21	24	24	23	22	24	23	23	20	Infrastructure development / maintenance
26	21	21	21	23	20	18	17	20	18	Military and defense
19	8	9	11	10	11	10	11	13	12	Energy (W1: Energy security/innovation)
3	4	3	4	5	4	5	8	7	7	Job creation
6	8	7	9	8	9	8	10	5	7	Health care
3	5	4	4	3	3	4	3	5	6	Education
2	4	4	3	4	4	4	4	4	5	Social Security
5	6	6	7	7	5	6	5	5	4	Other least

I. CONSUMER INVOLVEMENT ENERGY INDEX

Q125a. Compared to others you know, how **interested** are you in **energy issues**?

	%						Collapsed	
		Not at all interested 1	2	3	4	Very interested 5	Not interested	Interested
Wave 10		8	14	30	29	20	21	48
Wave 9		7	12	33	29	19	19	48
Wave 8		7	14	35	29	15	21	44
Wave 7		9	12	33	29	17	21	46
Wave 6		6	13	31	33	18	19	51
Wave 5		7	12	34	29	19	19	47
Wave 4		5	12	32	33	18	17	52
Wave 3		4	11	34	34	18	15	52
Wave 2		5	10	36	32	16	15	48

Q125b. In general, how **important** are **energy issues** to you?

	%						Collapsed	
		Not at all important 1	2	3	4	Very important 5	Not important	Important
Wave 10		4	9	27	33	27	13	61
Wave 9		4	8	26	36	27	12	62
Wave 8		3	9	28	36	23	12	60
Wave 7		4	8	28	36	24	12	60
Wave 6		3	8	26	35	28	11	63
Wave 5		3	9	26	34	28	12	62
Wave 4		3	7	25	36	30	10	65
Wave 3		2	7	24	40	27	9	67
Wave 2		3	7	25	39	27	9	65

Q125c. Overall, how **relevant** are **energy issues** to you?

	%						Collapsed	
		Not at all relevant 1	2	3	4	Very relevant 5	Not relevant	Relevant
Wave 10		4	8	28	32	28	12	60
Wave 9		3	7	26	36	27	11	63
Wave 8		3	9	30	36	23	12	58
Wave 7		5	7	28	35	26	12	61
Wave 6		3	8	24	37	28	11	65
Wave 5		2	7	27	36	27	10	63
Wave 4		3	6	23	39	29	9	68

Q125d. How often do people **ask you** for advice or information on **energy issues**?

	%						Collapsed	
		Never 1	2	3	4	Frequently 5	Seldom	Often
Wave 10		41	20	22	11	7	60	18
Wave 9		42	22	20	11	5	64	16
Wave 8		42	27	21	8	3	68	11
Wave 7		41	24	19	11	5	65	17
Wave 6		39	24	24	9	4	63	13
Wave 5		40	23	24	11	3	63	13
Wave 4		39	25	23	11	3	64	13

Q125e. In general, how **involving** are **energy issues** for you?

	%	Not at all involving 1	2	3	4	Very involving 5	Collapsed	
							Not involving	Involving
Wave 10		9	17	32	28	15	25	43
Wave 9		9	15	36	28	13	24	41
Wave 8		9	17	40	25	10	26	35
Wave 7		9	16	35	26	14	25	40
Wave 6		7	14	37	31	11	21	42
Wave 5		8	15	36	29	13	23	42
Wave 4		6	13	37	30	14	20	43

Q125f. Overall, how **exciting** do you find **energy issues**?

	%	Not at all exciting 1	2	3	4	Very exciting 5	Collapsed	
							Not exciting	Exciting
Wave 10		18	17	31	22	13	35	34
Wave 9		18	19	30	22	11	37	33
Wave 8		18	21	35	19	7	40	26
Wave 7		18	21	32	20	10	39	30
Wave 6		18	17	33	24	8	35	32
Wave 5		17	20	35	20	8	37	28
Wave 4		16	20	33	24	8	35	32

Q125g. In general, how **valuable** is information on **energy issues** to you?

	%	Not at all valuable 1	2	3	4	Very valuable 5	Collapsed	
							Not valuable	Valuable
Wave 10		4	8	30	32	26	12	58
Wave 9		4	8	27	34	27	12	61
Wave 8		4	8	34	33	21	12	54
Wave 7		5	9	33	33	21	13	54
Wave 6		3	8	29	36	24	11	60
Wave 5		2	9	32	35	22	12	57
Wave 4		2	7	30	36	24	10	61

Q125h. How often do you **give people advice or information** on **energy issues**?

	%	Never 1	2	3	4	Frequently 5	Collapsed	
							Seldom	Often
Wave 10		35	22	23	13	8	56	21
Wave 9		34	23	23	13	7	57	20
Wave 8		35	28	23	10	4	63	14
Wave 7		36	24	22	13	5	60	18
Wave 6		31	26	27	12	4	57	16
Wave 5		35	24	27	11	4	59	14
Wave 4		30	27	25	14	5	56	19

II. OPTIMISM

Q100. When it comes to dealing with **energy issues that face our nation**, do you think things are headed in...?

%	Definitely the wrong direction 1	2	3	4	Definitely the right direction 5	Collapsed	
						Wrong direction	Right direction
Wave 10	12	15	40	26	8	26	34
Wave 9	12	16	43	22	6	29	28
Wave 8	11	19	44	19	7	30	26
Wave 7	14	20	42	19	5	34	24
Wave 6	14	18	45	19	5	32	24
Wave 5	14	21	43	19	3	35	22
Wave 4	15	20	42	19	3	36	22
Wave 3	17	19	40	18	6	36	24
Wave 2	21	25	37	15	3	45	18
Wave 1	19	25	43	11	2	43	14

Q101. How would you describe **energy prices today** for each of the following?
Don't Know responses have been removed from these results. Bases as shown.

Gasoline

Gasoline							Collapsed	
%	Base	Very low	Somewhat low	About right	Somewhat high	Very High	Low	High
Wave 10	2010	11	22	32	23	12	33	35
Wave 9	1968	2	13	27	35	24	15	58
Wave 8	2048	1	8	26	42	24	9	66
Wave 7	2074	0.5	1	7	32	59	2	92
Wave 6	2104	0.1	1	6	33	60	1	93
Wave 5	2112	0.2	0.4	4	30	65	1	95
Wave 4	2089	0.4	0.5	3	22	74	1	96
Wave 3	2080	0.2	1	3	20	77	1	96
Wave 2	2351	0.1	1	1	17	81	1	98
Wave 1	3377	0.2	1	3	27	69	1	95

Heating Oil

Heating Oil							Collapsed	
%	Base	Very low	Somewhat low	About right	Somewhat high	Very High	Low	High
Wave 10	1607	3	11	29	37	20	14	57
Wave 9	1555	1	7	28	41	24	7	65
Wave 8	1643	1	4	23	43	29	5	72
Wave 7	1716	1	2	17	38	44	2	81
Wave 6	1754	0.4	2	14	37	47	2	84
Wave 5	1716	0.5	1	16	40	43	2	83
Wave 4	1654	0.5	1	13	40	45	2	85
Wave 3	1662	0.2	2	16	37	45	2	82
Wave 2	1843	0.1	1	13	36	50	1	86
Wave 1	2728	0.2	1	13	41	44	1	85

Electricity

							Collapsed	
%	Base	Very low	Somewhat low	About right	Somewhat high	Very High	Low	High
Wave 10	1965	2	4	26	43	25	6	68
Wave 9	1948	1	5	23	42	30	5	72
Wave 8	2023	0.4	2	20	48	31	2	78
Wave 7	2042	0.2	1	20	41	38	1	79
Wave 6	2069	0.2	2	20	43	35	2	79
Wave 5	2073	0.4	1	21	45	32	2	77
Wave 4	2066	0.1	1	20	44	35	1	79
Wave 3	2053	0.3	1	21	44	33	1	77
Wave 2	2309	0.1	1	19	48	31	1	79
Wave 1	3308	0.2	1	21	45	33	1	78

Natural Gas

							Collapsed	
%	Base	Very low	Somewhat low	About right	Somewhat high	Very High	Low	High
Wave 10	1782	3	12	35	34	17	15	51
Wave 9	1759	2	10	34	36	19	12	54
Wave 8	1825	2	5	32	41	21	7	61
Wave 7	1900	0.5	4	25	40	31	5	70
Wave 6	1891	1	4	21	41	33	5	74
Wave 5	1914	1	5	29	39	27	6	65
Wave 4	1865	1	6	26	38	29	7	66
Wave 3	1859	2	5	28	37	27	7	64
Wave 2	2113	2	6	26	41	26	8	67
Wave 1	3035	1	3	27	40	29	4	69

Q102. Now looking ahead, do you expect that **6 months from today**, the price for each of the following will...?
Don't Know responses have been removed from these results. Bases as shown.

Gasoline

							Collapsed	
%	Base	Decrease significantly	Decrease somewhat	Stay the same	Increase somewhat	Increase significantly	Decrease	Increase
Wave 10	1911	3	17	24	41	16	20	56
Wave 9	1903	2	15	22	44	18	17	62
Wave 8	1992	1	6	10	48	36	6	84
Wave 7	2002	0.5	6	17	48	29	7	76
Wave 6	2046	0.4	5	16	47	31	6	78
Wave 5	2030	0.1	5	15	46	34	5	80
Wave 4	2023	0.3	7	11	44	37	8	81
Wave 3	2010	1	11	11	37	40	12	77
Wave 2	2300	1	5	5	31	59	6	89
Wave 1	3263	0.5	8	14	46	32	8	78

Heating Oil

							Collapsed	
%	Base	Decrease significantly	Decrease somewhat	Stay the same	Increase somewhat	Increase significantly	Decrease	Increase
Wave 10	1637	2	11	41	36	11	12	46
Wave 9	1652	1	7	32	43	18	7	61
Wave 8	1704	1	9	30	42	19	10	61
Wave 7	1801	1	3	24	46	26	3	73
Wave 6	1804	1	10	30	37	22	11	60
Wave 5	1780	0.5	2	24	47	26	3	73
Wave 4	1721	1	8	27	41	23	9	64
Wave 3	1692	0.3	4	27	43	26	4	69
Wave 2	1918	1	7	20	41	32	8	72
Wave 1	2867	0.1	3	22	48	27	3	75

Electricity

							Collapsed	
%	Base	Decrease significantly	Decrease somewhat	Stay the same	Increase somewhat	Increase significantly	Decrease	Increase
Wave 10	1872	1	5	40	37	17	7	54
Wave 9	1887	1	4	35	43	18	5	60
Wave 8	1977	0.2	3	32	46	19	3	65
Wave 7	1992	0.3	2	29	45	23	3	68
Wave 6	2010	0.1	4	33	45	19	4	64
Wave 5	2017	0.1	3	32	46	19	3	65
Wave 4	1987	0.2	2	31	47	21	2	67
Wave 3	1985	0.3	5	32	44	20	5	63
Wave 2	2254	0.5	2	27	46	24	3	70
Wave 1	3233	0.3	2	30	48	20	2	68

Natural Gas

							Collapsed	
%	Base	Decrease significantly	Decrease somewhat	Stay the same	Increase somewhat	Increase significantly	Decrease	Increase
Wave 10	1760	1	8	44	35	12	9	47
Wave 9	1785	1	6	38	42	15	6	56
Wave 8	1841	1	6	36	41	17	7	58
Wave 7	1913	0.3	4	32	43	21	4	64
Wave 6	1903	0.2	7	33	41	19	7	60
Wave 5	1910	0.4	3	35	44	18	3	62
Wave 4	1871	1	5	37	40	17	6	57
Wave 3	1856	0.5	5	33	44	18	5	62
Wave 2	2100	0.5	5	32	40	23	5	63
Wave 1	3062	0.2	3	32	47	19	3	66

Q103. Now thinking about the **next 12 months**, do you think that the portion of your household budget spent on energy will...?

							Collapsed	
	%	Decrease significantly	Decrease somewhat	Stay the same	Increase somewhat	Increase significantly	Decrease	Increase
Wave 10		1	7	37	44	11	8	55
Wave 9		0.4	5	32	50	12	6	62
Wave 8		1	5	27	54	14	5	68
Wave 7		1	3	29	51	16	4	67
Wave 6		0.2	5	28	51	15	6	67
Wave 5		1	3	25	57	15	3	72
Wave 4		0.4	4	25	55	16	4	71
Wave 3		0.4	5	25	52	18	6	69
Wave 2		0.5	3	20	55	21	4	76
Wave 1		1	4	26	53	16	5	69

Q104. Next, we would like for you to think about the **impact that U.S. energy production and consumption has on the environment**. In the **next 12 months**, do you think that U.S. energy-related activities will result in...?

							Collapsed	
%	Much lower environmental impact	Somewhat lower environmental impact	About the same environmental impact	Somewhat higher environmental impact	Much higher environmental impact	Don't Know	Lower	Higher
Wave 10	2	10	40	30	10	9	11	40
Wave 9	2	8	40	31	11	9	9	42
Wave 8	1	7	44	32	9	7	8	41
Wave 7	1	5	45	29	11	9	7	39
Wave 6	1	4	42	35	9	9	6	43
Wave 5	1	5	39	34	10	10	6	45
Wave 4	2	8	40	33	9	9	9	42
Wave 3	2	7	44	31	9	8	9	40
Wave 2	1	8	45	28	10	9	9	37

Q105. Looking ahead over the **next five years or so**, how do you think U.S. energy policy will affect your clean energy choices (W2, W3: choices for more affordable and clean energy)?

							Collapsed	
%	Definitely reduce my choices	Somewhat reduce my choices	Will not impact my choices	Somewhat improve my choices	Definitely improve my choices	Don't Know	Reduce	Improve
Wave 10	4	10	26	33	12	15	13	45
Wave 9	4	12	23	34	12	15	15	46
Wave 8	4	13	28	33	8	14	17	41
Wave 7	6	12	26	31	9	17	17	40
Wave 6	5	12	25	35	8	15	17	43
Wave 5	4	13	23	37	7	17	17	44
Wave 4	6	13	24	34	9	15	19	43
Wave 3	6	12	22	37	10	12	19	47
Wave 2	7	14	20	34	7	18	21	41

III. SATISFACTION

Q110. Please indicate how satisfied you are with the job that each of the following is doing to **address the energy issues that are most important to you**. (Scale: 1 = Extremely dissatisfied, 5 = Extremely satisfied)

Ranked by % within each group in Wave 10

W2 Base: 2089	W3	W4	W5	W6	W7	W8	W9	W10	% Satisfied (4 or 5 on Scale)
Government									
27	31	30	22	22	23	26	29	33	President Barack Obama
16	23	22	22	21	24	22	27	30	US Environmental Protection Agency
13	19	19	17	19	17	20	25	29	US Department of Energy
17	18	20	19	16	20	21	22	27	Your local government
13	17	19	17	18	19	20	22	25	Your state government
5	8	8	9	9	11	12	14	17	The US Congress
Business									
28	28	30	27	32	32	32	33	36	Small US companies
21	22	24	23	24	26	25	27	30	Energy entrepreneurs
15	17	18	16	20	22	21	24	26	Energy investors
14	16	17	15	19	20	18	22	23	Large US companies
Energy Industry									
25	32	33	32	33	34	35	39	41	Renewable energy companies
29	28	31	31	32	32	29	36	37	Your electric provider
21	26	28	26	27	31	26	32	34	Hydroelectric industry
18	19	20	19	23	24	22	23	27	Nuclear energy industry
13	15	15	16	19	20	19	22	27	Oil and gas companies
18	18	18	17	19	22	18	18	24	Coal industry
Academic Leaders in Energy									
34	37	42	38	40	39	41	45	43	Engineers and scientists
27	33	33	31	33	35	33	37	39	Universities
25	31	31	32	31	31	32	36	36	Research institutes / think tanks
Environmental Groups									
23	28	28	28	31	30	29	32	37	The Nature Conservancy
24	28	27	29	29	29	27	31	33	Greenpeace
16	21	23	21	23	25	22	28	29	Environmental Defense Fund
14	19	22	20	23	24	21	25	29	Natural Resources Defense Council
16	23	22	21	23	24	20	25	28	The Sierra Club
47	49	51	50	55	50	53	57	58	You / Your Household

Ranked by % within each group in Wave 10 ▲=Change in ranking

W2 Base: 2009	W3	W4	W5	W6	W7	W8	W9	W10	% Dissatisfied (1 or 2 on Scale)
Government									
68	65	64	62	60	61	57	56	50	The US Congress
50	44	45	48	50	51	46	45	40	President Barack Obama
48	44	44	43	41	44	40	39	35	Your state government
43	42	41	38	40	39	37	35	31	Your local government
42	37	36	35	34	35	34	33	31	US Environmental Protection Agency
47	40	39	38	37	38	34	31	29	US Department of Energy
Business									
43	43	41	39	36	37	35	34	32	Large US companies
36	32	30	29	27	28	25	24	25	Energy investors
31	27	27	26	23	25	23	21	22	Energy entrepreneurs
19	20	17	20	15	17	14	15	16	Small US companies
Energy Industry									
55	55	52	47	40	41	40	35	30	Oil and gas companies
28	30	32	31	29	30	32	30	27	Coal industry
27	27	30	27	25	26	28	24	22	Nuclear energy industry
26	29	28	26	26	26	26	23	21	Your electric provider
24	22	20	20	18	19	17	14	16	Renewable energy companies
16	17	17	16	14	14	14	12	11	Hydroelectric industry
Academic Leaders in Energy									
23	21	18	20	18	19	16	16	16	Universities
22	20	17	19	18	16	15	13	16	Research institutes / think tanks
17	16	13	16	14	14	12	11	12	Engineers and scientists
Environmental Groups									
25	24	21	22	20	23	22	18	20	Greenpeace
25	22	20	22	21	22	21	16	18	Environmental Defense Fund
21	21	16	19	19	20	20	16	18	The Sierra Club
21	19	16	17	16	19	16	14	16▲	The Nature Conservancy
23	22	18	20	19	21	19	15	15	Natural Resources Defense Council
9	10	8	9	8	9	8	7	7	You / Your Household

IV. TRACKING QUESTIONS

KNOWLEDGE AND INTEREST

Q120. Over the **past 3 months**, approximately how frequently have you read, seen or heard anything in particular about energy issues such as electricity costs, government policy, environmental crises or alternative energy sources?

W2	W3	W4	W5	W6	W7	W8	W9	W10	%
29	21	18	14	15	13	16	16	15	Almost daily
28	31	28	29	30	31	27	28	30	Approximately once per week
16	18	23	21	24	20	21	20	19	Around once a month
15	18	19	24	19	22	23	21	24	Rarely
13	12	12	13	13	14	13	14	13	Don't recall

Q122. Compared to most people you know, how knowledgeable are you about **how energy is produced, delivered and used?**

						Collapsed	
	Not at all knowledgeable				Very knowledgeable	Not knowledgeable	Knowledgeable
%	1	2	3	4	5		
Wave 10	9	19	38	24	10	29	34
Wave 9	10	20	37	25	9	30	33
Wave 8	10	21	37	24	7	32	31
Wave 7	10	19	38	26	8	29	34
Wave 6	10	18	39	27	6	28	33
Wave 5	10	19	41	24	7	29	31
Wave 4	9	17	41	26	7	26	33
Wave 3	8	19	40	26	7	27	33
Wave 2	10	21	41	21	7	31	28
Wave 1	10	24	42	19	6	34	24

Q123. How likely are you to **seek more information** about each of the following in the **next 6 months?**
(Scale: 1 = Not at all likely, 5 = Very likely)

Ranked by % in Wave 10

W2	W3	W4	W5	W6	W7	W8	W9	W10	% Likely (4 or 5 on Scale)
61	67	66	62	63	59	63	63	58	Reducing your own energy use
46	53	52	48	49	47	47	51	48	Local energy issues
45	50	49	43	48	44	41	47	45	National energy issues
37	43	43	40	42	39	37	45	42	Global energy issues

Ranked by % in Wave 10

W2	W3	W4	W5	W6	W7	W8	W9	W10	% Not Likely (1 or 2 on Scale)
26	23	25	27	27	26	28	24	27	Global energy issues
22	19	21	22	22	22	25	22	24	National energy issues
21	18	21	21	22	22	22	20	23	Local energy issues
15	12	15	14	15	18	17	16	18	Reducing your own energy use

Q126a. Do you think **global climate change** is or is not occurring?

W2	W3	W4	W5	W6	W7	W8	W9	W10	%
65	73	73	72	68	68	70	76	73	Is occurring
22	16	16	17	19	19	18	14	16	Is not occurring
13	11	10	11	13	14	12	10	11	Don't know

Q126b. [IF Q126a = OCCURRING] Please indicate the extent to which you think each of the following is a **contributing factor** in **global climate change**. (Scale: 0= Not a factor, 5 = Very significant factor)

Ranked by % in Wave 10 ▲=Change in ranking

W2	W3	W4	W5	W6	W7	W8	W9	W10	% Significant Factor (4 or 5 on Scale)
1548	1520	1548	1545	1440	1426	1451	1532	1493	Base
70	74	76	74	73	74	73	73	73	Deforestation
	61	66	63	66	65	64	63	66	Oil
	51	56	59	57	60	57	60	58	Coal
47	47	43	44	46	44	45	43	50▲	Natural forces (not manmade)
	36	39	41	42	42	40	44	47	Natural gas
37	34	37	37	37	40	38	40	43	Agriculture (including livestock)
8	7	7	7	6	6	6	5	7	Other

Ranked by % in Wave 10

W2	W3	W4	W5	W6	W7	W8	W9	W10	% Not A Factor (0 or 1 on Scale)
1548	1520	1548	1545	1440	1426	1451	1532	1493	Base
14	17	15	11	15	12	15	15	14	Agriculture (including livestock)
10	9	12	9	11	12	13	14	11	Natural forces (not manmade)
	12	9	9	12	8	10	10	10	Natural gas
	7	5	5	6	4	6	6	5	Coal
	6	4	4	4	3	4	5	4	Oil
3	3	2	1	3	2	3	3	3	Deforestation
1	3	0.4	0.1	0	0	1	0.3	0	Other

Q126ba. [IF Q126a = OCCURRING] Has **global climate change** impacted you **personally**?

W7	W8	W9	W10	%
1426	1451	1532	1493	Base
19	21	22	22	Yes (Please describe)
50	47	49	52	No
32	32	29	27	Not sure

Coded "Please describe" responses:

Ranked by % in Wave 10 ▲=Change in ranking

W7	W8	W9	W10	%
264	304	339	325	Base
57	59	56	46	Extreme weather (hurricanes, floods, etc.) / Temperatures / Seasons "off"
5	6	9	16▲	Health / emotional issues
4	3	11	8	Environmental impacts (crops / glaciers / wildfires / sea levels / habitat)
5	6	5	9▲	Lifestyle changes (recycling / reducing / conserving)
4	7	6	6▲	Air quality / ozone / sun intensity
8	8	8	5	Energy costs / increased energy use
6	3	3	5▲	Costs for everyday items / food / produce
7	7	7	3	Drought
12	13	11	17	Other / No comment

Q126ba_1. **[NEW IN WAVE 10]** [IF Q126a = OCCURRING] One of the anticipated effects of global climate change is a **significant increase in the temperature of the planet**. How concerned are you about this?

							Collapsed	
%	Base	Not at all concerned 1	2	3	4	Very concerned 5	Not Concerned	Concerned
Wave 10	1493	3	5	21	32	40	8	71

Q126ba_2. **[NEW IN WAVE 10]** [IF Q126ba_1 = 4,5] In your opinion, is the risk of an **increase in the planet's temperature** due to human actions or natural forces/cycles?

Ranked by % in Wave 10

W10	%
1064	Base
66	Mostly due to human actions
28	Equally due to humans and natural forces
5	Mostly due to natural forces
1	Don't Know/No opinion

Q126ba_3. **[NEW IN WAVE 10]** [IF Q126a = OCCURRING] Which of these statements **best** reflects your opinion regarding the **role the United States should take in addressing global climate change?**

Ranked by % in Wave 10

W10	%
1493	Base
43	Climate change is an urgent threat and all countries need to take action equally
27	Because the U.S. is a global leader, it should set an example by doing more than other nations
11	The U.S. has a moral obligation to act and should do more than other nations
10	Because the U.S. has contributed disproportionately more emissions, it should do more than other nations
2	The U.S. should do nothing
6	No opinion
2	Other

Q126ba_4. **[NEW IN WAVE 10]** To what extent do you feel that the **U.S. should prioritize reducing carbon emissions?**

						Collapsed	
%	Should not be a priority at all	2	3	4	Should be a high priority	Not a Priority	Priority
	1				5		
Wave 10	7	8	21	33	31	15	64

Q126ba_5. **[NEW IN WAVE 10]** [IF Q126ba_4 = 1,2] What is the **top reason** that you **do not feel reducing carbon emissions should be a priority** in the U.S.?

Ranked by % in Wave 10

W10	%
303	Base
30	It will not make a difference globally
26	I am not concerned about carbon emissions
22	Economic costs of reducing emissions are too high/will lead to more unemployment
6	It is not our responsibility
17	Other

Q126ba_6. **[NEW IN WAVE 10]** How much have you seen or heard about the **United Nations conference on climate change** that took place in **Paris this past December?**

W10	%
25	Not aware of this
75	Aware (Collapsed)
47	Heard of, but haven't really followed
21	Followed or sought information about the conference once or twice
8	Followed or sought information about the conference three or more times

Q126bb. Please think about the weather in your local area **this winter season compared to past winters**. On average, would you say that temperatures in your local area have been...?

W8	W10	%
35	6	Much colder than usual this winter
22	12	Slightly colder than usual this winter
19	23	About the same
15	33	Slightly warmer than usual this winter
9	27	Much warmer than usual this winter
		Collapsed
57	17	Colder
24	60	Warmer

Q126c. What level of influence do the following have **on the environment?** (Scale: 1 = Little/No influence, 5 = Major influence)

Ranked by % in Wave 10						% Influence (4 or 5 on Scale)
W5	W6	W7	W8	W9	W10	
72	71	67	67	68	68	Large corporations' actions
68	68	63	63	64	65	U.S. government's actions
37	36	34	30	35	34	My personal actions

Ranked by % in Wave 10						% Not An Influence (1 or 2 on Scale)
W5	W6	W7	W8	W9	W10	
30	34	32	38	31	34	My personal actions
13	13	16	16	15	13	U.S. government's actions
11	13	13	15	13	12	Large corporations' actions

INFORMATION SOURCES

Q137. Please indicate the degree to which you **trust** each of the following groups or organizations to provide you with **information on how to conserve energy**. (Scale: 1 = Do not trust at all, 5 = Trust completely)

Ranked by % in Wave 10 ▲=Change in ranking								% Trust (4 or 5 on Scale)
W3	W4	W5	W6	W7	W8	W9	W10	
2092	1054	1075	1074	1046	1071	982	1052	Base
39	39	40	45	41	39	48	49▲	Renewable energy companies
48	49	44	48	46	44	48	48▲	Academic / scientific community
42	46	44	47	42	46	49	47	Environmental groups
36	36	36	37	36	34	38	41	Your electric provider
29	36	28	31	29	29	29	32	Retail stores such as Home Depot or Best Buy
19	21	25	24	24	24	24	32	Federal government office / agency (DOE, EPA, etc.)
22	22	21	23	21	22	22	30▲	Local government office / agency
35	24	21	25	26	23	23	29	The media (radio, TV, online, print, etc.)
20	21	21	22	22	20	22	29	State government office / agency
15	17	16	19	18	20	17	27	Oil and gas companies
17	21	19	21	21	18	16	25	US business community

Ranked by % in Wave 10 ▲=Change in ranking								% Do Not Trust (1 or 2 on Scale)
W3	W4	W5	W6	W7	W8	W9	W10	
2092	1054	1075	1074	1046	1071	982	1052	Base
55	55	56	49	49	54	49	40	Oil and gas companies
49	48	46	44	43	46	46	40	Federal government office / agency (DOE, EPA, etc.)
26	42	41	40	36	43	41	37▲	The media (radio, TV, online, print, etc.)
43	44	44	41	43	44	43	36▲	State government office / agency
42	41	43	38	41	44	46	35	US business community
39	37	42	38	37	38	41	34	Local government office / agency
29	25	29	26	25	30	30	27	Retail stores such as Home Depot or Best Buy
27	27	29	27	26	30	26	25▲	Your electric provider
29	25	28	24	26	26	27	24	Environmental groups
26	21	23	22	23	23	22	20	Renewable energy companies
21	15	24	19	20	22	22	21	Academic / scientific community

Q137. Please indicate the degree to which you **trust** each of the following groups or organizations to provide you with **information on how to use energy more efficiently**. (Scale: 1 = Do not trust at all, 5 = Trust completely)

Ranked by % in Wave 10 ▲=Change in ranking								% Trust (4 or 5 on Scale)
W2	W4	W5	W6	W7	W8	W9	W10	
2371	1059	1069	1059	1059	1007	1037	991	Base
46	50	49	47	49	48	51	51	Academic / scientific community
37	43	44	44	43	45	49	50	Environmental groups
33	42	40	42	40	39	47	49	Renewable energy companies
35	36	34	35	38	35	40	43	Your electric provider
29	32	29	32	32	31	30	33	Retail stores such as Home Depot or Best Buy
17	20	22	24	21	25	28	33▲	Federal government office / agency (DOE, EPA, etc.)
31	23	24	27	24	21	29	30	The media (radio, TV, online, print, etc.)
21	21	22	24	23	23	25	28	Local government office / agency
19	23	18	24	22	20	21	27▲	State government office / agency
14	18	15	18	20	19	22	26	Oil and gas companies
16	18	16	20	20	19	21	25	US business community

Ranked by % in Wave 10 ▲=Change in ranking								% Do Not Trust (1 or 2 on Scale)
W2	W4	W5	W6	W7	W8	W9	W10	
2371	1059	1069	1059	1059	1007	1037	991	Base
59	53	57	52	49	47	44	42	Oil and gas companies
51	48	48	47	47	43	37	37▲	Federal government office / agency (DOE, EPA, etc.)
41	40	41	39	42	40	39	36▲	US business community
27	44	41	39	44	42	36	36▲	The media (radio, TV, online, print, etc.)
44	43	43	40	41	43	40	35	State government office / agency
39	39	39	40	38	40	34	32	Local government office / agency
27	27	27	29	30	28	28	29	Retail stores such as Home Depot or Best Buy
31	27	26	25	29	27	22	23▲	Environmental groups
28	30	29	30	27	29	25	22	Your electric provider
19	18	18	21	22	22	17	18▲	Academic / scientific community
26	22	24	24	25	22	18	17	Renewable energy companies

Q138. **[NEW IN WAVE 10]** Next, please rate your level of concern in regard to **U.S. energy security**.

								Collapsed	
%	Not at all concerned 1	2	3	4	Very concerned 5	No Opinion		Not Concerned	Concerned
Wave 10	4	8	22	32	24	11		12	55

Q138a. **[NEW IN WAVE 10]** [IF Q138 = 4, 5] What are your **top concerns** regarding **U.S. energy security**? Please **select the top 3**.

Ranked by % in Wave 10	
W10	%
1132	Base
56	Terrorist targets
47	Dependency on the Middle East for our oil and gas
43	Electric grid vulnerabilities
36	Nuclear waste storage
30	Running out of oil/gas
30	Aging infrastructure
23	Blackouts from storms or other weather events
22	Pipeline vulnerabilities
7	Railway accidents
2	Other
2	Not Sure

Q139. **[NEW IN WAVE 10]** In your opinion, which of the methods below is the **best way to approach improving U.S. energy independence and energy security?** (Select one)

Ranked by % in Wave 10

W10	%
58	Government and industry should work together
14	Market forces should dictate movement
14	The federal government should take the lead
14	Not sure/No opinion

CONSUMPTION

Q150. Please rate how concerned you are about each of the following. (Scale: 1 = Not at all concerned, 5 = Very concerned)

Ranked by % in Wave 10 ▲=Change in ranking

W4	W5	W6	W7	W8	W9	W10	% Concerned (4 or 5 on Scale)
81	78	78	79	78	75	71	Cost of electricity
68	70	70	69	69	71	67▲	Depletion of water resources
77	70	71	71	70	67	63▲	The portion of your household budget spent on energy
70	66	65	65	66	65	63▲	Developing renewable sources of energy
69	64	67	66	66	64	61▲	The energy efficiency of your home
73	71	67	69	63	64	61▲	Consumption of oil from foreign sources
90	87	84	84	80	73	60	Cost of gasoline
61	60	60	57	56	60	58	The effect of our nation's energy production and consumption on carbon emissions
57	55	56	55	53	56	56	The impact of domestic oil drilling and production on the natural environment
50	51	46	50	50	54	54	The impact of hydraulic fracturing on the natural environment

Ranked by % in Wave 10 ▲=Change in ranking

W4	W5	W6	W7	W8	W9	W10	% Not Concerned (1 or 2 on Scale)
21	20	23	21	22	18	19	The impact of hydraulic fracturing on the natural environment
19	17	20	20	20	18	18	The impact of domestic oil drilling and production on the natural environment
15	14	15	17	17	15	15	The effect of our nation's energy production and consumption on carbon emissions
2	3	5	4	6	8	15▲	Cost of gasoline
9	11	9	10	10	12	13	The energy efficiency of your home
7	8	8	8	9	10	12▲	The portion of your household budget spent on energy
7	8	10	9	10	12	11	Consumption of oil from foreign sources
9	9	10	10	11	10	11	Developing renewable sources of energy
12	8	10	12	12	9	11	Depletion of water resources
4	4	5	5	6	7	9	Cost of electricity

Q153a. **[NEW IN WAVE 10]** How **willing would you be** to take each of the following actions in order to **help reduce foreign oil imports?**

Ranked by % Willing in Wave 10

								Collapsed	
	%	Not willing at all	Not very willing	Neither	Fairly willing	Very willing	Do this / Have done it	Not applicable	
Purchase a higher efficiency vehicle	7	6	15	24	29	10	9	14	53
Decrease the number of miles I drive	6	6	12	22	24	21	8	13	46
Purchase an alternative fuel or electric vehicle	14	11	17	20	24	5	9	25	44
Carpool or take public transportation	12	10	11	19	18	14	16	22	37

Q154aa. Based on what you know, to what extent do you support or oppose the **use of nuclear energy**?

W5	W6	W7	W8	W9	W10	%
11	10	11	11	12	12	Strongly oppose
15	14	14	17	15	14	Somewhat oppose
27	28	28	27	28	22	Neither support nor oppose
23	23	23	22	21	23	Somewhat support
13	14	16	13	14	16	Strongly support
11	11	9	10	11	14	Not Sure
						<u>Collapsed</u>
26	24	25	28	27	26	Oppose
37	37	38	35	35	39	Support

Q154a. [ASK IF Q154aa = OPPOSE] What is your **top concern** regarding nuclear power generation?

Ranked by % in Wave 10

W3	W5	W6	W7	W8	W9	W10	%
373	556	514	532	577	549	526	Base
28	27	35	33	33	34	34	The effects of nuclear radiation on my community
27	30	26	30	28	27	24	Nuclear waste storage
21	24	19	21	20	21	19	Power plant meltdown
18	15	14	13	15	16	18	A possible terrorism target
6	4	6	3	4	3	5	Other

Q154b. [ASK IF Q154aa = SUPPORT] What is the **top reason you support** nuclear power generation?

Ranked by % in Wave 10

W3	W5	W6	W7	W8	W9	W10	%
810	785	785	803	717	703	792	Base
87	84	84	84	83	84	81	Nuclear power provides a steady, reliable source of energy
11	14	14	14	16	15	19	There are no emissions
2	3	2	2	2	1	1	Other

Q160. Please indicate how likely it is that you will do each of the following **within the next 5 years**.

(Scale: 1 = Not at all likely, 7 = Very likely)

Ranked by % in Wave 10

W1	W3	W5	W6	W7	W8	W9	W10	% Likely (5, 6 or 7 on Scale)
37	45	45	44	43	40	45	44	Use "smart meter" technology that allows you to better manage your household's demand for electricity
30	36	34	29	32	29	33	34	Own a hybrid vehicle
21	28	28	25	31	28	32	34	Install solar panels at your home
15	20	22	20	24	22	24	28	Own a vehicle that runs on natural gas
17	24	21	20	24	18	22	27	Own a fully electric vehicle

Ranked by % in Wave 10

▲=Change in ranking

W1	W3	W5	W6	W7	W8	W9	W10	% Not Likely (1, 2 or 3 on Scale)
70	64	64	67	64	70	64	61	Own a fully electric vehicle
71	65	59	64	60	64	61	56	Own a vehicle that runs on natural gas
52	48	48	53	52	56	52	52▲	Own a hybrid vehicle
65	58	57	61	54	58	54	51	Install solar panels at your home
39	34	34	35	35	37	34	36	Use "smart meter" technology that allows you to better manage your household's demand for electricity

Ranked by % in Wave 10

W1	W3	W5	W6	W7	W8	W9	W10	% Do This/Have Done It
8	6	7	7	8	7	8	8	Use "smart meter" technology that allows you to better manage your household's demand for electricity
3	3	3	3	3	3	3	3	Own a hybrid vehicle
2	1	2	2	3	2	3	3	Install solar panels at your home
2	2	3	2	2	2	2	2	Own a vehicle that runs on natural gas
1	1	1	1	2	1	1	2	Own a fully electric vehicle

PUBLIC POLICY / HOT TOPIC SECTION

Q170a. Which of the following best reflects your views on the relationship between the environment and the economy?

Ranked by % in Wave 10

▲=Change in ranking

W3	W4	W7	W8	W9	W10	%
51	53	47	48	45	47	There doesn't need to be a trade-off between the economy and the environment - they go hand-in-hand
14	12	15	15	19	18	Protecting the environment is the best way to achieve economic goals
18	15	14	16	13	14▲	Ensuring economic growth is the best way to achieve environmental goals
9	12	14	15	15	13	The environment should always be given priority over economic growth
8	8	11	7	9	9	Economic growth should always be given priority over protecting the environment

Q170c. To what degree do you perceive each of the following to be a benefit of **domestic natural gas production**? (Scale: 1 = Not a benefit at all, 5 = Very significant benefit)

Ranked by % in Wave 10

▲=Change in ranking

W4	W5	W6	W7	W8	W9	W10	% Benefit (4 or 5 on Scale)
75	68	72	67	66	68	68	Creates jobs
	68	66	65	66	61	66▲	Lowers costs
70	64	64	64	64	63	65	Provides energy security
	64	63	62	63	62	64	Increases energy efficiency
69	61	63	60	59	60	61	Boosts U.S. manufacturing
53	57	55	53	55	52	56	Lowers carbon emissions
2	2	1	1	1	1	2	Other

Ranked by % in Wave 10

▲=Change in ranking

W4	W5	W6	W7	W8	W9	W10	% Not A Benefit (1 or 2 on Scale)
11	10	11	11	11	11	9	Lowers carbon emissions
5	7	6	6	8	7	6	Boosts U.S. manufacturing
	7	6	6	6	7	6	Lowers costs
	6	6	6	6	5	6▲	Increases energy efficiency
5	6	6	5	6	6	5	Provides energy security
4	6	5	6	6	4	5	Creates jobs
1	0.3	0.3	1	1	0.1	0.1	Other

Q171c. Which benefits do you **most** associate with **renewable energy sources**? Please **select up to 3**.

Ranked by % in Wave 10

W2	W3	W4	W5	W6	W7	W8	W9	W10	%
68	71	66	68	68	66	70	70	68	Cleaner environment
55	55	50	51	57	50	53	56	50	Lower-cost electricity
46	40	47	44	44	40	41	45	41	Energy security
35	36	41	37	37	33	32	33	34	Job creation
31	30	31	29	31	30	28	28	32	Economic growth
20	20	20	22	17	20	20	22	21	American innovation
1	1	2	1	2	1	1	1	1	Other
4	4	4	4	5	6	5	4	7	None

Q171d. Which energy resource do you believe contributes **most** to **U.S. jobs**?

Ranked by % in Wave 10

W2	W3	W7	W8	W9	W10	%
34	33	30	32	30	24	Oil
13	14	15	17	17	21	Renewable energy (wind and solar)
11	9	15	13	15	15	Natural gas
12	13	13	11	10	8	Coal
3	4	4	4	4	5	Nuclear
27	27	24	23	25	28	Not sure

Q171e. To what extent do you agree or disagree with the statement below?

W5+: The U.S. should permit the export of natural gas to other countries.

W4: The U.S. should export natural gas to other countries.

						Collapsed	
	Strongly disagree				Strongly agree		
%	1	2	3	4	5	Disagree	Agree
Wave 10	12	11	36	24	17	23	41
Wave 9	13	10	39	22	16	23	38
Wave 8	14	15	35	23	14	29	37
Wave 7	13	15	38	20	14	28	34
Wave 6	15	14	35	23	14	28	37
Wave 5	14	16	36	22	12	30	34
Wave 4	22	18	33	18	10	39	28

Q171ec. Should the federal government focus on developing...?

Ranked by % in Wave 10

W5	W6	W7	W8	W9	W10	% Yes
89	89	88	89	90	90	Renewable technologies
82	84	82	81	80	80	Natural Gas
66	65	64	65	61	63	Oil
53	52	53	52	52	52	Nuclear
48	50	47	46	44	45	Coal
4	3	4	4	3	5	None of these

Q171j. Using the scale below, please indicate to what extent **water conservation** and **energy efficiency** are a priority for you.

Energy Efficiency						Collapsed	
	Not a priority at all				A high priority		
%	1	2	3	4	5	Not a priority	A priority
Wave 10	2	3	18	36	42	5	77
Wave 9	1	2	17	36	43	2	79
Wave 8	1	2	19	38	40	3	78
Wave 7	2	3	18	36	41	5	77
Wave 6	1	2	17	38	41	4	79
Wave 5	2	3	23	36	36	5	72

Water Conservation

% Wave 10						Collapsed	
	Not a priority at all 1	2	3	4	A high priority 5	Not a priority	A priority
Wave 10	2	3	17	31	47	5	78
Wave 9	2	3	17	30	48	5	78
Wave 8	2	3	18	33	44	5	77
Wave 7	3	4	19	30	44	7	74
Wave 6	2	5	20	33	40	7	73
Wave 5	2	5	28	36	28	7	65

Q171o. Which benefits do you **most** associate with **energy efficiency**? Please **select up to 3**.

Ranked by % in Wave 10

W6	W7	W8	W9	W10	%
72	53	55	59	50	Reduces overall energy use
65	54	58	55	50	Lowers costs
40	49	48	50	49	Reduces air pollution
39	40	40	42	44	Lowers carbon emissions
26	32	31	29	28	Provides energy security
16	22	21	22	23	Creates jobs
9	15	12	13	17	Boosts U.S. manufacturing
1	1	0.4	0.2	0.4	Other
2	3	3	3	4	None

Q175a. How familiar are you with the term “**hydraulic fracturing**” (sometimes referred to as “fracking”)?

W2	W3	W4	W5	W6	W7	W8	W9	W10	%
35	25	21	21	24	18	17	16	15	Never heard of this
17	18	18	19	16	16	18	15	17	Heard before, but not at all familiar
10	16	14	13	12	13	14	13	13	Not very familiar
5	7	6	7	8	9	7	8	8	Neither familiar nor unfamiliar
24	25	30	28	29	32	34	32	32	Somewhat familiar
8	10	13	12	11	12	11	16	14	Very familiar
Collapsed									
63	59	52	53	53	47	49	44	45	Not Familiar (Bottom 3 Box)
32	35	42	40	40	44	44	48	47	Familiar (Top 2 Box)

Q175b. [ASK IF 4-5 IN Q175A] Based on your knowledge, please select which of the following energy sources are connected to hydraulic fracturing.

Ranked by % in Wave 10 ▲=Change in ranking

W4	W5	W6	W7	W8	W9	W10	%
889	861	847	928	920	972	951	Base
70	65	70	62	59	61	60	Natural gas
50	46	46	53	54	53	55	Oil
16	18	12	15	15	16	20	Hydro (energy from water)
8	8	9	8	8	9	10	Coal
3	2	3	2	4	4	7▲	Nuclear
2	3	3	3	5	5	6▲	Solar
3	4	3	4	4	7	5	Wind
1	1	0.4	1	1	1	1	Other
3	3	3	2	2	3	3	Not Sure

Q175c. [ASK IF 4-5 IN Q175A] Based on what you know or have heard, please indicate the degree to which you support or oppose the **use of hydraulic fracturing** in the extraction of fossil fuels.

W2	W3	W4	W5	W6	W7	W8	W9	W10	%
752	726	889	861	847	928	920	972	951	Base
18	23	23	21	23	24	26	26	22	Strongly oppose
18	18	18	17	18	18	19	17	15	Somewhat oppose
15	16	12	20	15	12	13	14	15	Neither support nor oppose
25	21	24	19	21	22	20	22	22	Somewhat support
23	20	21	18	21	23	22	19	25	Strongly support
2	2	2	4	2	3	1	2	1	Don't know
									Collapsed
36	41	41	38	41	41	44	43	37	Oppose
48	41	45	38	42	44	42	41	47	Support

Q175d. [ASK IF 4-5 IN Q175A] Which of the following **best** describes your feelings about **regulation for hydraulic fracturing**?

Ranked by % in Wave 10									
W2	W3	W4	W5	W6	W7	W8	W9	W10	%
752	726	889	861	847	928	920	972	951	Base
38	39	43	43	42	48	45	45	37	There should be more regulation on hydraulic fracturing
22	23	23	22	23	16	20	20	23	Existing regulation is sufficient but needs better enforcement
14	15	14	14	18	18	13	14	18	Hydraulic fracturing is already subject to too much regulation
16	11	13	10	10	12	14	12	14	Existing regulation and enforcement are sufficient
10	12	7	10	7	6	7	9	8	Don't know

Q175f. [ASK IF 4-5 IN Q175A] Who do you trust **most** to provide accurate, impartial information on hydraulic fracturing?

Ranked by % in Wave 10 ▲=Change in ranking								
W3	W4	W5	W6	W7	W8	W9	W10	%
726	889	861	847	928	920	972	951	Base
40	40	39	34	35	39	37	35	The scientific community (e.g. National Academy of Sciences)
12	14	19	18	16	15	15	18	Environmental organizations
10	11	7	13	12	10	11	14▲	Oil and gas companies or associations
11	12	10	11	10	10	12	10	The EPA or other federal agencies
8	6	6	7	7	8	5	6	Colleges and universities
7	5	5	7	6	6	5	5	State regulatory agencies
3	2	4	2	3	3	4	4	Local government
1	2	3	3	2	2	3	3	The President
1	0	1	1	1	1	2	2	Congress
7	8	6	5	8	5	6	5	Other

Q175f_2. [ASK IF 4-5 IN Q175A] Using the scales below, please indicate your feelings with regard to the use of **hydraulic fracturing on public lands**. **Hydraulic fracturing on public lands ...**

Base: W4 = 889, W5 = 861, W6 = 847, W7 = 928, W8 = 920, W9 = 972, W10 = 951							Collapsed	
%	Should be subject to greater oversight and regulation		Neutral		Should be subject to less oversight and regulation		Greater oversight	Less oversight
Wave 10	39	20	19	11	11		59	22
Wave 9	44	19	20	10	8		62	18
Wave 8	41	21	18	12	8		63	20
Wave 7	41	19	19	10	12		59	22
Wave 6	41	21	18	7	14		62	20
Wave 5	41	19	20	10	9		60	19
Wave 4	38	22	19	12	9		60	21

Hydraulic fracturing on public lands ...

	Should be banned		Neutral		Should be promoted	Ban	Promote
Wave 10	25	13	22	20	20	38	40
Wave 9	27	11	24	19	19	38	38
Wave 8	27	15	23	19	17	42	35
Wave 7	25	13	23	19	21	38	40
Wave 6	22	12	25	19	21	34	40
Wave 5	23	14	26	19	19	36	38
Wave 4	22	14	23	21	20	36	41
	Is not needed to meet current demand		Neutral		Is necessary to meet current demand	Is not needed	Is necessary
Wave 10	21	10	24	25	20	31	45
Wave 9	23	15	22	23	19	37	42
Wave 8	20	15	25	22	18	35	40
Wave 7	22	11	21	23	23	33	47
Wave 6	19	14	22	23	22	33	46
Wave 5	19	15	24	24	17	35	41
Wave 4	16	17	21	27	20	33	46

Q175f_3. [ASK IF 4-5 IN Q175A] To what extent do you agree or disagree with the statement below?

Municipalities should have the authority to ban hydraulic fracturing within their borders, even if state law otherwise permits it.

							Collapsed	
%	Base	Strongly disagree 1	2	3	4	Strongly agree 5	Disagree	Agree
Wave 10	951	9	10	22	25	34	19	59
Wave 9	972	10	9	24	21	37	18	58
Wave 8	920	11	14	18	22	36	25	58

Q175g. [ASK IF 4-5 IN Q175A] What is your greatest concern regarding **hydraulic fracturing**?

Ranked by % in Wave 10

W3	W4	W5	W6	W7	W8	W9	W10	%
726	889	861	847	928	920	972	951	Base
41	40	46	38	39	37	43	31	Water contamination
9	8	10	12	12	12	14	15	Habitat loss and the destruction of wildlife
9	9	7	8	13	14	13	14	Earthquakes
13	18	16	17	12	16	12	14	Negative effects from the chemicals used in the process
5	3	3	6	5	4	5	5	Air quality / Emissions
1	1	1	1	2	1	2	3	Increased road traffic
2	4	1	2	2	3	2	2	Other
19	17	17	17	16	14	10	17	I am not concerned about hydraulic fracturing

Q176c. Please indicate how likely it is that you will do each of the following **within the next 5 years**.
(Scale: 1 = Not at all likely, 7 = Very likely)

Ranked by % in Wave 10

W4	W6	W8	W10	% Likely (5, 6 or 7 on Scale)
51	54	50	52	Purchase an energy efficient appliance
46	50	45	46	Purchase energy efficient light bulbs
38	41	39	43	Improve insulation in your home
30	32	31	37	Have a home energy audit performed
21	27	24	31	Install attic vents/fans

Ranked by % in Wave 10

W4	W6	W8	W10	% Not Likely (1, 2 or 3 on Scale)
37	39	42	34	Have a home energy audit performed
28	31	35	26	Install attic vents/fans
21	23	25	19	Improve insulation in your home
10	9	11	10	Purchase an energy efficient appliance
8	7	6	8	Purchase energy efficient light bulbs

Ranked by % in Wave 10

W4	W6	W8	W10	% Do This/Have Done It
42	36	42	40	Purchase energy efficient light bulbs
29	25	27	26	Purchase an energy efficient appliance
22	17	19	18	Install attic vents/fans
20	16	16	17	Improve insulation in your home
10	7	7	7	Have a home energy audit performed

Q176d. Which of the following is more likely to lead you to **reduce your overall electricity consumption**?

W4	W5	W6	W7	W8	W9	W10	%
46	41	41	40	36	43	33	A significant increase in electricity rates
5	4	5	7	7	5	7	Discovering that you use significantly more electricity (per sq. ft.) than your neighbors
33	35	36	35	37	35	39	Both would affect my behavior equally
9	9	9	9	8	8	10	Neither would affect my behavior
5	8	8	8	10	7	9	Don't know
2	2	1	2	1	1	2	Other

Q176g_1. Please indicate the extent to which you agree or disagree with the following statements:
(Scale: 1 = Completely disagree, 5 = Completely agree)

Ranked by % in Wave 10

W5	W6	W7	W8	W9	W10	% Agree (4 or 5 on Scale)	Energy Saving
1107	1065	1050	1000	1041	1017	Base	
56	66	56	59	62	58	If a product label says that it is "energy saving", I trust that it is.	
42	32	45	41	45	42	Products with labels that say "energy saving" exaggerate their claims.	
25	16	26	24	25	25	People who believe "energy saving" product labels are being fooled.	

Ranked by % in Wave 10

W5	W6	W7	W8	W9	W10	% Disagree (1 or 2 on Scale)	Energy Saving
1107	1065	1050	1000	1041	1017	Base	
39	53	42	45	44	40	People who believe "energy saving" product labels are being fooled.	
21	30	20	24	20	20	Products with labels that say "energy saving" exaggerate their claims.	
17	9	18	17	15	13	If a product label says that it is "energy saving", I trust that it is.	

Ranked by % in Wave 10

W5	W6	W7	W8	W9	W10	% Agree (4 or 5 on Scale)	Energy Efficient
1037	1068	1055	1078	978	1026	Base	
59	74	64	63	61	65	If a product label says that it is “energy efficient”, I trust that it is.	
40	31	45	41	40	40	Products with labels that say “energy efficient” exaggerate their claims.	
25	17	25	22	24	31	People who believe “energy efficient” product labels are being fooled.	

Ranked by % in Wave 10

W5	W6	W7	W8	W9	W10	% Disagree (1 or 2 on Scale)	Energy Efficient
1037	1068	1055	1078	978	1026	Base	
45	59	39	46	44	37	People who believe “energy efficient” product labels are being fooled.	
23	36	20	26	24	25	Products with labels that say “energy efficient” exaggerate their claims.	
16	9	13	15	11	12	If a product label says that it is “energy efficient”, I trust that it is.	

Q177c. Should the federal government subsidize....?

Ranked by % in Wave 10

W3	W7	W8	W9	W10	% Yes
62	66	66	69	70	Renewable technologies
63	65	64	69	70	Energy efficiency
45	50	51	52	54	Electric vehicles
42	48	48	52	54	Natural Gas
37	37	38	43	42	Oil
37	36	37	41	42	Nuclear
28	30	31	33	34	Coal

VOTING BEHAVIOR

Q180a. In the next [W7: November 2014] election, would you be more likely or less likely to **vote for a presidential** [W7: presidential removed] **candidate who...**? (Scale: 1 = Much less likely, 5 = Much more likely)

Ranked by % in Wave 10

▲=Change in ranking

W2	W3	W4	W5	W6	W7	W8	W9	W10	% More Likely (4 or 5 on Scale)
			61	65	59	60	65	61	Supports taking steps to reduce carbon emissions
59	62	64	60	66	59	59	63	61	Supports increasing funding for scientific and university research into new energy technologies
59	58	60	55	64	57	57	60	59▲	Supports expanding financial incentives for companies engaged in renewable technologies
57	57	63	57	62	54	54	62	56	Supports requiring utilities to obtain a certain percentage of their electricity from renewable sources
61	58	62	61	58	58	56	54	56▲	Supports expanding [W4+ domestic] natural gas development
	63				63	61	57	55	Promises to make gasoline less expensive
	40				43	43	52	49	Supports decreasing the use of coal as an energy source
50	45	44	42	41	46	39	39	44	Supports approving construction of the XL Keystone pipeline to transport oil from Canada to the Gulf Coast
46	44	40	40	40	44	39	39	39	Supports expanding offshore oil development in the Gulf Coast of Mexico
					32	34	38	37	Supports the export of domestic natural gas to other countries
					32	28	37	37	Supports imposing a carbon tax
27	25	26	26	28	29	23	30	33	Supports offering loan guarantees for nuclear power companies

Ranked by % in Wave 10 ▲=Change in ranking									% Less Likely (1 or 2 on Scale)
W2	W3	W4	W5	W6	W7	W8	W9	W10	
25	29	26	27	25	27	30	28	26	Supports offering loan guarantees for nuclear power companies
					29	32	24	26	Supports imposing a carbon tax
18	23	23	21	22	19	21	22	21	Supports expanding offshore oil development in the Gulf Coast of Mexico
15	18	19	17	18	18	19	18	21▲	Supports approving construction of the XL Keystone pipeline to transport oil from Canada to the Gulf Coast
					22	23	21	18	Supports the export of domestic natural gas to other countries
	22				19	19	15	18	Supports decreasing the use of coal as an energy source
11	11	9	8	9	12	13	10	12	Supports requiring utilities to obtain a certain percentage of their electricity from renewable sources
			9	9	11	9	8	10▲	Supports taking steps to reduce carbon emissions
11	12	10	10	9	11	10	9	9	Supports expanding financial incentives for companies engaged in renewable technologies
7	9	8	7	9	8	7	9	8	Supports expanding [W4+ domestic] natural gas development
10	9	7	8	7	10	8	7	8	Supports increasing funding for scientific and university research into new energy technologies
	9				7	7	7	8	Promises to make gasoline less expensive

FUTURE OF ENERGY – SUPPLY, SOLUTIONS & INNOVATION

Q191. Thinking about **our energy situation in 25 years**, to what extent do you think we will be better off or worse off than we are now?

	%	Definitely worse off 1	2	3	4	Definitely better off 5	Collapsed	
							Worse	Better
Wave 10	9	15	36	28	12		24	40
Wave 9	12	18	37	22	11		30	33
Wave 8	14	21	34	25	7		34	31
Wave 7	12	23	36	20	9		35	29
Wave 6	11	18	36	26	10		29	36
Wave 5	14	24	35	21	6		38	27
Wave 4	14	23	34	22	8		37	29
Wave 3	14	24	33	21	8		38	29
Wave 2	15	25	33	21	6		40	27
Wave 1	14	27	36	18	5		41	23

Q194. Using the scale below, please indicate your feelings with regard to the **US government's role in preparing us for future energy needs.**

% Wave	Government is definitely trying to do too many things					Government should definitely do more	Collapsed	
							Doing too many things	Should do more
Wave 10	15	10	19	24		33	24	57
Wave 9	13	8	18	27		34	21	62
Wave 8	15	9	19	26		31	24	56
Wave 7	16	8	16	27		33	24	61
Wave 6	15	8	19	26		33	23	58
Wave 5	13	7	20	28		32	20	60
Wave 4	14	8	20	26		34	21	59
Wave 3	16	8	19	23		33	24	57
Wave 2	16	8	19	26		31	24	57
Wave 1	16	9	18	24		32	25	57

Q196. Do you think it is possible for the **United States** to become the **world's leading producer of oil and natural gas**?

W7	W8	W9	W10	%
50	54	50	56	Yes
34	29	31	25	No
16	16	19	20	The US has already been the world's leading producer of oil and natural gas

IV. DEMOGRAPHICS

We now have a few final questions that will help us to group your responses for analysis purposes.

D12. Are you the parent or legal guardian of a child under the age of 18?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
27	26	27	29	26	30	29	28	32	31	Yes
73	74	72	71	73	69	71	71	68	70	No
0.3	0.1	1	0.1	1	1	0.4	1	0.3	0.1	Prefer not to answer

D13. Which of the following best describes your marital status?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
58	56	53	55	56	56	55	55	52	55	Married / Living with significant other
26	26	26	27	28	28	30	26	29	27	Single
10	10	12	11	10	10	10	12	12	11	Divorced / Separated
5	5	6	5	4	4	4	4	5	4	Widowed
1	2	2	2	1	2	1	2	2	2	Engaged
1	1	2	1	1	1	1	2	1	1	Domestic partnership
0.1	0.2	0.5	0.2	0.2	0	0.2	0.4	1	0.1	Prefer not to answer

D14. Including yourself, how many people live in your home?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	
2.6	2.7	2.7	2.8	2.7	2.7	2.7	2.7	2.8	2.7	Average people in HH
1%	1%	1%	1%	1%	1%	2%	2%	2%	1%	Prefer not to answer

D15. Which of the following best describes your current employment status?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
36	33	36	34	36	38	38	36	38	38	Employed full-time
11	12	12	12	11	12	10	11	10	12	Employed part-time
11	12	9	12	11	10	10	11	10	10	Full-time homemaker
6	8	6	8	6	6	6	6	6	6	Student
23	22	22	22	21	21	23	23	24	23	Retired
11	11	13	11	12	13	12	11	10	10	Temporarily unemployed
1	2	2	1	2	1	2	2	2	1	Prefer not to answer

D16. Thinking about all elections including school, local and primary elections, how many of them have you voted in over the past few years?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
15	12	14	12	15	12	14	15	13	15	None
10	11	11	12	9	9	9	11	12	9	Less than half
10	10	10	10	11	10	10	9	10	11	About half
26	31	29	28	29	29	29	28	29	26	Most
35	34	33	36	34	36	34	33	33	36	All
3	2	4	2	2	4	3	4	3	3	Prefer not to answer

D17. As the term is generally used today, do you consider yourself to be an environmentalist?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
11	8	12	15	12	14	14	12	14	17	Yes, ACTIVE environmentalist
40	37	39	38	36	36	33	38	38	32	Yes, PASSIVE environmentalist
45	50	44	43	48	46	47	46	44	47	No, not an environmentalist
5	5	5	4	4	4	6	5	5	5	Prefer not to answer

D18. Which of the following best describes your electric company?

Ranked by % in Wave 10										%
W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	
23	24	25	24	25	26	27	27	24	26	A retail electric provider
21	20	20	25	24	23	22	22	22	24	A municipal or city-owned utility
14	13	15	11	14	13	14	13	16	13	An electric co-operative
14	14	13	11	12	11	12	11	10	10	An investor-owned utility
1	2	2	2	2	2	3	2	3	2	Other
28	28	25	27	23	25	23	26	26	26	Don't know

D19c. Approximately how many **miles** are driven by **all of the automobiles / vehicles** in your household **per year**? Your best estimate is fine. Use whole numbers only. No ranges please.

W2	W3	W4	W5	W6	W7	W8	W9	W10	
2198	1936	1949	1991	1984	1951	1918	1864	1878	Base
16,178	15,319	14,293	14,610	14,365	13,080	13,715	13,655	12,569	Average miles / year
18%	19%	26%	30%	26%	31%	26%	32%	31	Don't Know

D21. About how many **miles per gallon** does your primary vehicle get, on average? Your best estimate is fine. Use whole numbers only. No ranges please.

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	
3134	2173	1905	1949	1991	1984	1951	1918	1864	1878	Base
24.4	24.7	24.1	24.6	24.8	24.4	25.1	24.0	24.6	24.1	Average MPG
15%	17%	14%	19%	21%	20%	23%	20%	24%	27%	Don't Know

D23. And would you classify **your primary vehicle** as a:

Ranked by % in Wave 10										%
W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	
3150	2176	1917	1949	1991	1984	1951	1918	1864	1878	Base
38	35	36	36	35	35	36	35	34	33	Mid-size or larger car
18	22	22	25	22	22	24	21	20	20	Compact or smaller car
12	14	12	12	13	13	12	13	15	15	Small SUV / Crossover
10	10	11	9	10	12	10	12	13	11	Mid-size or larger SUV
10	8	9	9	10	7	7	9	6	9	Pickup truck
7	6	6	5	5	6	7	5	7	5	Minivan
2	3	3	2	2	3	2	3	3	3	Sports car
1	1	1	1	1	1	1	0.4	1	1	Van
0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	1	Motorcycle
2	0.3	0.5	2	2	1	2	2	1	2	Other

D24. Do you own or rent your current place of residence?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
63	63	62	64	63	63	64	62	61	63	Own
31	31	32	32	31	32	32	32	32	33	Rent
6	5	5	4	5	4	3	5	6	3	Other
1	1	1	0.3	1	1	1	1	1	1	Prefer not to answer

D24a. Do you live in a state where hydraulic fracturing (also known as fracking) **currently occurs** or is expected to **occur in the near future**?

W2	W3	W4	W5	W6	W7	W8	W9	W10	%
14	18	18	19	20	24	24	23	23	Yes
24	25	25	24	27	28	28	25	30	No
62	58	57	57	53	48	49	51	48	Not sure

D25. What is the approximate **square footage of your home**?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
5	4	4	6	4	5	6	6	4	6	Less than 500 square feet
19	19	20	21	20	19	19	20	22	23	500 to less than 1,000 square feet
42	41	41	40	40	41	40	40	39	39	1,000 to less than 2,000 square feet
19	21	20	19	20	21	19	20	18	16	2,000 square feet or more
15	14	15	15	16	15	16	15	17	16	Don't know

D26. On average, how much is your **electric bill each month**? Your best estimate is fine.

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	
\$129	\$127	\$135	\$124	\$128	\$136	\$136	\$135	\$139	\$127	Average Electric Bill / month
15%	16%	15%	13%	16%	14%	15%	14%	16%	16%	Don't Know

D27. How would you classify the area in which your primary residence is located?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
27	27	27	29	26	29	30	29	31	34	Urban
49	50	47	47	49	48	46	50	46	43	Suburban
23	23	26	24	25	23	24	21	22	23	Rural

D28. *Punch based on [STATE]*

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
19	18	19	19	18	19	19	19	19	19	Northeast
23	22	22	23	22	22	22	22	22	22	Midwest
37	37	37	37	37	37	37	37	37	37	South
22	23	23	22	23	22	23	22	23	23	West

P1. Would you say **your health** in general is...?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
3	4	3	2	4	2	3	3	3	4	Poor
14	15	17	15	13	15	16	16	14	15	Fair
33	33	34	33	36	34	36	32	33	31	Good
38	38	34	40	35	38	33	36	37	35	Very Good
12	11	13	10	12	12	13	13	13	15	Excellent

P2. How willing would you be to pay much higher prices in order to protect the environment? Would you say you are...?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
15	19	16	16	15	15	18	17	15	16	Not willing at all
22	27	19	19	20	17	17	21	19	19	Not very willing
25	24	26	20	22	23	27	24	20	21	Neither willing nor unwilling
34	26	32	39	37	39	31	32	37	32	Fairly willing
4	4	7	6	6	6	8	7	10	12	Very willing

P3. Many companies today want to know as much as they can about their customers' interests, needs and preferences so they can individually tailor their communications and offers to each person. In general, do you see such methods for improved targeting as a good thing?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
61	54	61	71	56	71	56	57	73	70	Yes, it is a good thing
39	46	39	29	45	29	44	43	27	30	No, it is not a good thing

P4. Which of the following items do you own?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
40	43	51	56	56	62	62	70	74	74	Smartphone
80	81	78	79	78	75	73	72	68	70	Digital camera
10	18	26	32	35	43	47	51	58	56	Tablet computer
49	50	51	53	50	49	51	49	50	51	Game console
12	11	11	8	9	10	9	6	8	7	None of these

P5. To what extent do you consider yourself a religious person? Are you...?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
19	18	20	16	17	16	20	18	15	14	Not religious at all
20	17	20	17	16	17	17	18	14	13	Slightly religious
39	43	40	43	45	44	40	41	46	45	Moderately religious
21	22	21	24	23	23	24	23	25	28	Very religious

P6. Do you personally own a valid United States passport?

W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	%
47	45	45	46	46	48	44	44	47	47	Yes
53	55	55	54	54	52	56	56	53	53	No

-End-