AMERICANS' ACTIONS TO CONSERVE ENERGY, REDUCE WASTE, AND LIMIT GLOBAL WARMING IN NOVEMBER 2011







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Interview dates: October 20, 2011 – November 16, 2011. Interviews: 1,000 Adults (18+) Margin of error: +/- 3 percentage points at the 95% confidence level. NOTE: All results show percentages among all respondents, unless otherwise labeled. Totals may occasionally sum to more than 100 percent due to rounding.

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Household Behaviors

Q1 - Q3.¹ How often do you do the following things?²

In the winter, set the thermostat to 68 degrees or cooler.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|----------------|----------|----------|-----------|----------|----------|
| Always | 23 | 26 | 34 | 33 | 38 |
| Often | 25 | 19 | 22 | 19 | 24 |
| Sometimes | 20 | 18 | 16 | 20 | 16 |
| Rarely | 12 | 11 | 10 | 10 | 8 |
| Never | 13 | 15 | 10 | 11 | 5 |
| Not Applicable | 7 | 10 | 7 | 8 | 9 |

Use³ public transportation or carpool.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|----------------|----------|----------|-----------|----------|----------|
| Always | 7 | 6 | 6 | 4 | 9 |
| Often | 9 | 7 | 7 | 8 | 9 |
| Sometimes | 16 | 12 | 14 | 14 | 15 |
| Rarely | 20 | 20 | 19 | 18 | 19 |
| Never | 36 | 40 | 40 | 41 | 35 |
| Not Applicable | 12 | 14 | 14 | 16 | 13 |

Walk or bike, instead of driving.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|----------------|----------|----------|-----------|----------|----------|
| Always | 4 | 5 | 7 | 5 | 8 |
| Often | 9 | 10 | 14 | 11 | 11 |
| Sometimes | 22 | 18 | 20 | 24 | 20 |
| Rarely | 24 | 24 | 30 | 25 | 20 |
| Never | 32 | 33 | 24 | 27 | 31 |
| Not Applicable | 9 | 11 | 6 | 9 | 9 |

¹ Items not shown in this report are being released separately.
² 2010 wording: How often do you do this now?
³ 2010 wording: Take public transportation or carpool

Q4 -Q6. For each of the actions below, over the next 12 months, would you like to do this more frequently than you are now, less frequently than you are now, or about the same as you are now?⁴

In the winter, set the thermostat to 68 degrees or cooler.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|-----------------|----------|----------|-----------|----------|----------|
| More frequently | 18 | 17 | 24 | 20 | 26 |
| About the same | 72 | 73 | 73 | 76 | 70 |
| Less frequently | 10 | 11 | 3 | 3 | 4 |

Use⁵ public transportation or carpool.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|-----------------|----------|----------|-----------|----------|----------|
| More frequently | 14 | 17 | 14 | 9 | 17 |
| About the same | 68 | 63 | 76 | 81 | 68 |
| Less frequently | 18 | 20 | 10 | 11 | 15 |

Walk or bike, instead of driving.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|-----------------|----------|----------|-----------|----------|----------|
| More frequently | 20 | 28 | 26 | 20 | 24 |
| About the same | 65 | 53 | 70 | 73 | 63 |
| Less frequently | 15 | 19 | 4 | 7 | 13 |

Q39. How many of the light bulbs in your home are energy-efficiency compact fluorescent lights $(CFLs)?^{6}$

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------|----------|----------|-----------|----------|----------|
| All | 19 | 19 | 14 | 14 | 12 |
| Most | 36 | 34 | 38 | 33 | 28 |
| Some | 21 | 18 | 19 | 19 | 22 |
| A few | 13 | 14 | 16 | 16 | 16 |
| None | 8 | 11 | 10 | 15 | 18 |
| Don't know | 4 | 4 | 4 | 4 | 5 |

 ⁴ 2010 wording: In the coming year do you intend to do this less often, the same, or more often?
 ⁵ 2010 wording: Take public transportation or carpool

⁶ 2008 wording: How many of the light bulbs in your home are high energy-efficiency compact fluorescents (CFLs)?

People who said "some," "a few," or "none" on Q39 were asked the following question.

Q40A. Over the next 12 months, how likely are you to change most of the light bulbs in your house to energy-efficiency compact fluorescent lights (CFLs)?⁷

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|-------------------------------------|----------|------------|-----------|----------|----------|
| Yes, I'd like to and probably will | 33 | 34 | 36 | 40 | 44 |
| Yes, I'd like to but probably won't | 23 | 30 | 26 | 26 | 26 |
| No, I don't want to | 24 | 22 | 17 | 22 | 17 |
| I don't know | 20 | 13 | 21 | 12 | 13 |
| Number of respondents | 413 | <i>430</i> | 489 | 527 | 1,190 |

N45 – N47. If you wanted to do each of the following, how confident are you that you would be able to do it most of the time?

In the winter, set the thermostat to 68 degrees or cooler.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------------------|----------|----------|-----------|----------|----------|
| Completely confident | 41 | - | - | - | - |
| Moderately confident | 23 | - | - | - | - |
| A little bit confident | 14 | - | - | - | - |
| Not at all confident | 12 | - | - | - | - |
| Not Applicable | 10 | - | - | - | - |

Use public transportation or carpool.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------------------|----------|----------|-----------|----------|----------|
| Completely confident | 16 | - | - | _ | - |
| Moderately confident | 13 | - | - | - | - |
| A little bit confident | 19 | - | - | - | - |
| Not at all confident | 28 | - | - | - | - |
| Not Applicable | 25 | - | - | - | - |

Walk or bike, instead of driving.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------------------|----------|----------|-----------|----------|----------|
| Completely confident | 15 | - | - | - | - |
| Moderately confident | 18 | - | - | - | - |
| A little bit confident | 20 | - | - | - | - |
| Not at all confident | 27 | - | - | - | - |
| Not Applicable | 20 | - | - | - | - |

⁷ 2008 wording: Which of the following best describes what you are likely to do over the next 12 months? Change most of the light bulbs in your home to high energy-efficiency compact fluorescents (CFLs)

N48. If you wanted to change most of the light bulbs in your house to energy-efficient compact fluorescent lights (CFLs), how confident are you that you would be able to do it?

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------------------|----------|----------|-----------|----------|----------|
| Completely confident | 56 | - | - | - | - |
| Moderately confident | 17 | - | - | - | - |
| A little bit confident | 15 | - | - | - | - |
| Not at all confident | 7 | - | - | - | - |
| Not Applicable | 5 | - | - | - | - |

N100 – N103. How effective do you think the following actions are in reducing an individual American's personal contribution to global warming, if done most of the time?

In the winter, setting the thermostat to 68 degrees or cooler.

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------------------|----------|----------|-----------|----------|----------|
| Completely effective | 11 | - | - | - | - |
| Moderately effective | 32 | - | - | - | - |
| A little bit effective | 43 | - | - | - | - |
| Not effective at all | 14 | - | - | - | _ |

Using public transportation or car pooling

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------------------|----------|----------|-----------|----------|----------|
| Completely effective | 16 | - | - | - | - |
| Moderately effective | 41 | - | - | - | - |
| A little bit effective | 32 | - | - | - | - |
| Not effective at all | 11 | - | - | - | - |

Walking or biking instead of driving

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------------------|----------|----------|-----------|----------|----------|
| Completely effective | 24 | - | - | - | - |
| Moderately effective | 35 | - | - | - | - |
| A little bit effective | 30 | - | - | - | - |
| Not effective at all | 12 | - | - | - | _ |

N103. How effective do you think that changing most of the light bulbs in a home to energyefficient compact fluorescent lights is in reducing an individual American's personal contribution to global warming?

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------------------|----------|----------|-----------|----------|----------|
| Completely effective | 13 | - | - | - | - |
| Moderately effective | 38 | - | - | - | - |
| A little bit effective | 35 | - | - | - | - |
| Not effective at all | 14 | - | - | - | - |

Q51. Thinking about the energy-saving actions you're already taking and those you'd like to take over the next 12 months: If you did most of these things, how much do you think it would reduce your personal contribution to global warming?⁸

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------|----------|----------|-----------|----------|----------|
| A lot | 8 | 7 | 11 | - | 13 |
| Some | 24 | 26 | 27 | - | 35 |
| A little | 50 | 48 | 47 | - | 36 |
| Not at all | 18 | 20 | 16 | - | 16 |

Q52. If most people in the United States did these same actions, how much would it reduce global warming?

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------|----------|----------|-----------|----------|----------|
| A lot | 24 | 26 | 31 | - | 42 |
| Some | 34 | 34 | 34 | - | 36 |
| A little | 33 | 28 | 27 | - | 14 |
| Not at all | 9 | 13 | 8 | - | 8 |

Q53. If most people in the modern industrialized countries around the world did these same actions, how much would it reduce global warming?

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|------------|----------|----------|-----------|----------|----------|
| A lot | 42 | 39 | 46 | - | 60 |
| Some | 30 | 31 | 29 | - | 25 |
| A little | 21 | 20 | 18 | - | 9 |
| Not at all | 6 | 11 | 7 | - | 6 |

⁸ 2008 wording: Think back to the energy-saving actions you're already doing and those you'd like to do over the next 12 months: If you did most of these things, how much do you think it would reduce your personal contribution to global warming?

Consumer Behavior

Q201. Over the past 12 months, how many times have you rewarded companies that are taking steps to reduce global warming by buying their products?

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|---------------------|----------|----------|-----------|----------|----------|
| Many times (6+) | 9 | 8 | 5 | 4 | 5 |
| Several times (4-5) | 12 | 9 | 8 | 7 | 11 |
| A few times (2-3) | 20 | 22 | 15 | 17 | 22 |
| Once | 5 | 6 | 5 | 5 | 4 |
| Never | 55 | 56 | 67 | 68 | 58 |

Q202. Over the past 12 months, how many times have you punished companies that are opposing steps to reduce global warming by NOT buying their products?

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|---------------------|----------|----------|-----------|----------|----------|
| Many times (6+) | 10 | 10 | 9 | 5 | 7 |
| Several times (4-5) | 6 | 6 | 6 | 7 | 8 |
| A few times (2-3) | 16 | 14 | 11 | 13 | 14 |
| Once | 6 | 4 | 4 | 3 | 3 |
| Never | 62 | 67 | 71 | 72 | 69 |

Q203. Over the next 12 months, would you like to punish companies that are opposing steps to reduce global warming by NOT buying their products...

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|-----------------------------------|----------|----------|-----------|----------|----------|
| More frequently than you are now? | 37 | 35 | 35 | 32 | 40 |
| About the same as you are now? | 55 | 55 | 55 | 58 | 53 |
| Less frequently than you are now? | 9 | 10 | 10 | 10 | 7 |

Q204. Over the next 12 months do you intend to buy the products of companies that are taking steps to reduce global warming...

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|-----------------------------------|----------|----------|-----------|----------|----------|
| More frequently than you are now? | 36 | 39 | 36 | 34 | 40 |
| About the same as you are now? | 55 | 54 | 55 | 58 | 56 |
| Less frequently than you are now? | 9 | 8 | 10 | 8 | 4 |

Proportion who intend to engage in consumer activism over the coming year.9

| Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|----------|----------|-----------|----------|----------|
| 55 | 55 | 51 | 51 | 58 |

Citizen Behavior

Q206. Over the past 12 months, how many times have you volunteered with or donated money to an organization working to reduce global warming?

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|---------------------|----------|----------|-----------|----------|----------|
| Many times (6+) | 1 | 1 | 1 | 1 | 1 |
| Several times (4-5) | 3 | 2 | 3 | 1 | 1 |
| A few times (2-3) | 9 | 7 | 5 | 5 | 4 |
| Once | 6 | 8 | 8 | 7 | 7 |
| Never | 81 | 82 | 84 | 87 | 87 |

Q208. Over the past 12 months, how many times have you written letters, emailed, or phoned government officials about global warming?¹⁰

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|---------------------|----------|----------|-----------|----------|----------|
| Many times (6+) | 1 | 1 | 1 | 1 | 1 |
| Several times (4-5) | 2 | 1 | 2 | 1 | 1 |
| A few times (2-3) | 7 | 4 | 4 | 5 | 3 |
| Once | 3 | 4 | 4 | 4 | 4 |
| Never | 87 | 90 | 89 | 88 | 92 |

Respondents in 2010 and 2011 who had contacted government officials were asked the following question.

Q209. When you contacted a government official did you...

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|--|-------------|-------------|--------------|-------------|-------------|
| Urge them to take action to reduce global warming? | 76 | 77 | 71 | 72 | - |
| Urge them to not take action to reduce global warming? | 20 | 20 | 18 | 22 | - |
| Other | 4 | 3 | 11 | 7 | - |
| Number of respondents | 118 | 96 | 107 | 104 | - |

⁹ Includes all those who have rewarded and/or punished companies in the past year and plan to continue to do so about the same or more frequently, and all those who have never engaged in these actions, but intend to do so more frequently in the coming year.

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¹⁰ 2008 wording: Over the past 12 months, how many times have you written letters, emailed, or phoned government officials to urge them to take action to reduce global warming?

Q210. Over the next 12 months, would you like to volunteer with or donate money to an organization working to reduce global warming ...?

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|----------------|----------|----------|-----------|----------|----------|
| More often | 13 | 17 | 13 | 12 | 16 |
| About the same | 68 | 64 | 69 | 64 | 68 |
| Less often | 19 | 20 | 18 | 24 | 16 |

Q212. Over the next 12 months, would you like to write letters, email, or phone government officials about global warming ...?¹¹

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|----------------|----------|----------|-----------|----------|----------|
| More often | 10 | 12 | 11 | 13 | 13 |
| About the same | 69 | 66 | 71 | 64 | 71 |
| Less often | 21 | 23 | 19 | 23 | 17 |

Respondents who said they would like to contact their government officials the same or more often were asked the following question.

If you were to contact government officials about global warming, would you:

| | Nov 2011 | May 2011 | June 2010 | Jan 2010 | Nov 2008 |
|--|-------------|-------------|--------------|-------------|-------------|
| Urge them to take action to reduce global warming? | 76 | 72 | 71 | 69 | - |
| Urge them to not take action to reduce global warming? | 11 | 15 | 14 | 19 | - |
| Other | 14 | 13 | 15 | 12 | - |
| Number of respondents | 741 | 726 | 783 | 711 | - |

¹¹ 2008 wording: Over the next 12 months, would you like to write letters, email, or phone government officials to urge them to take action to reduce global warming...?

Methodology

These results come from nationally representative surveys of American adults, aged 18 and older. The samples were weighted to correspond with US Census Bureau parameters for the United States. The surveys were designed by Anthony Leiserowitz of Yale University and Edward Maibach and Connie Roser-Renouf of George Mason University and conducted by Knowledge Networks, using an online research panel of American adults.

- November 2011: Fielded October 20 through November 16 with 1,000 American adults. The margin of sampling error is plus or minus 3 percent, with 95 percent confidence.
- May 2011: Fielded April 23 through May 12 with 1,010 American adults. The margin of sampling error is plus or minus 3 percent, with 95 percent confidence.
- June 2010: Fielded May 14 through June 1 with 1,024 American adults. The margin of sampling error is plus or minus 3 percent, with 95 percent confidence.
- January 2010: Fielded December 24, 2009 through January 3, 2010 with 1,001 American adults. The margin of sampling error is plus or minus 3 percent, with 95 percent confidence.
- November 2008: Fielded October 7 through November 12 with 2,164 American adults. Data was collected in two waves: wave 1 from October 7 through October 20 and wave 2 from October 24 through November 12. The margin of sampling error is plus or minus 2 percent, with 95 percent confidence.