

The Morning Call
Muhlenberg College Institute of Public Opinion

**Survey of Pennsylvanians on the
Issue of Global Warming**

KEY FINDINGS REPORT

Release Date June 7, 2007

KEY FINDINGS:

1. As the issue of global warming draws increasing attention, over 7 out of 10 Pennsylvanians believe that the average temperature on earth has been getting warmer over recent decades.
2. Of Commonwealth residents that believe the earth is warming, a large majority attribute the increasing heat to human activity or a combination of human activity and natural patterns.
3. Over 4 out of 10 Keystone State adults identify global warming as a very serious problem, with another 3 out of 10 indicating this issue is a somewhat serious problem.
4. A solid majority of Pennsylvanians believe global warming requires immediate government action.
5. While placing the primary responsibility for addressing global warming on the federal government, Pennsylvanians also believe that state and local governments share responsibility for addressing this problem.
6. About 2 out of 3 Pennsylvanians believe President Bush is doing too little to combat global warming.
7. A significant portion of Commonwealth residents believe Pennsylvania is doing too little to reduce global warming, with very few state residents indicating the state is doing too much in this area.
8. Pennsylvanians overwhelmingly oppose any increased tax on fossil fuels to reduce global warming, but offer strong support for the state to offer tax incentives for the purchase of hybrid vehicles.
9. While generally unaware of state policies that mandate the use of electricity from renewable sources, commonwealth residents strongly support state measures that increase reliance on renewables.
10. Almost 2 out of 3 Pennsylvanians indicated they would be willing to pay extra to increase the amount of electricity produced from renewable resources with almost 4 in 10 willing to pay \$50 or more a year to help facilitate the growth of renewables.

METHODOLOGY: The following key findings report summarizes data collected in a telephone survey of residents of the state of Pennsylvania between May 15 and May 21, 2007. Individual households throughout Pennsylvania were selected randomly for inclusion in the study. The sample of phone numbers used in the survey was generated by Genesys Sampling Systems of Ft. Washington, PA. Interviewing was conducted by the staff of the Muhlenberg College Institute of Public Opinion, with 465 surveys completed. This number of completions results in a margin of error of +/- 4.5% at the 95% confidence interval. However the margin of errors for sub groups (i.e. women, income groups, age categories) is larger due to smaller sample size. Percentages throughout the survey have been rounded upward at the .5 mark, thus many totals in the results will not equal 100%. The survey questionnaire was designed by Christopher Borick, Ph.D of the Muhlenberg College Institute of Public Opinion in consultation with staff members of the *Morning Call*.

OVERVIEW: The issue of global warming has undergone a dramatic shift in terms of public opinion in the United States. A number of national surveys have shown significant increases in public attention and concern regarding the effects of man made activities on the earth’s climate. This increased public concern has paralleled mounting scientific evidence supporting the theories of climate change and increased government activity to combat the effects of this problem. While the federal government has taken a few tentative steps to stem actions that lead to climate change, much of the activity to reduce the impact of human activity on the climate has been developed at the local and state levels. In this study we examine the perspective of Pennsylvanians regarding the general issue of global warming and the views of state residents regarding government efforts to control the emissions of greenhouse gases.

PERCEPTIONS OF THE PROBLEM: During the last year Americans have become increasingly concerned about the issue of global warming. An ABC News/Washington Post/Stanford University survey released last month showed a 10% increase during the last year in the belief that global warming is being caused by human activity. In our survey of Pennsylvanians over 7 out of 10 state residents indicated that the average temperature on earth has been getting warmer over the past four decades. This mark is very similar to the results of a national survey by the Pew Research Center for The People and the Press in January.

TABLE ONE

“From what you've read or heard, is there solid evidence that the average temperature on earth has been getting warmer over the past four decades?”

	Yes	No	Not Sure/ Refused
Pennsylvanians (May 2007)	71%	16%	15%

Americans (January 2007)	77%	16%	7%
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PA results from Muhlenberg/Morning Call; National results from Pew Research Center

Among the 71% of Pennsylvanians that indicated the earth is getting warmer, only 15% do not believe humans are at least in part responsible for the increase in temperature. Meanwhile, 46% of Commonwealth residents who believe the earth is getting hotter identified human activity as the primary source of global warming, with an additional 34% saying the increased temperature was caused by a combination of human activity and natural patterns. These findings in Pennsylvania are nearly identical to the nationwide results of the January Pew Research Center study on climate change.

TABLE TWO

“Is the earth getting warmer because of human activity such as burning fossil fuels, or mostly because of natural patterns in the earth's environment?”

	Human Activity	Natural Patterns	Combination of Human and natural Causes	Not Sure/Refused
Pennsylvanians (May 2007)	46%	15%	34%	6%
Americans (January 2007)	47%	20%	33%	<1%

PA results from Muhlenberg/Morning Call; National results from Pew Research Center

In addition to a belief that the planet is getting warmer and that human activity is causing the increase, most Pennsylvanians see global warming as a serious problem. Over 7 out of 10 Keystone State residents identified global warming as either a very serious (41%) or somewhat serious (31%) problem with less than 1 in 10 indicating it's not a problem at all. Once again the Pennsylvania results tightly mirror national tendencies from the Pew Research study in January.

TABLE THREE

“In your view is global warming a very serious problem, somewhat serious, not too serious or not a problem?”

	Very Serious	Somewhat Serious	Not Too Serious	Not A Problem	Not Sure/Refused
Pennsylvanians (May 2007)	41%	31%	17%	7%	5%

Americans (January 2007)	45%	31%	12%	8%	3%
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PA results from Muhlenberg/Morning Call; National results from Pew Research Center

While a solid majority of Pennsylvanians recognizes global warming as a serious problem, there are noticeable differences by party affiliation. As can be seen in Table Four, Democrats in the Commonwealth are 21% more likely than their Republican counterparts to view global warming as a serious problem.

TABLE FOUR

**Seriousness of the Global Warming Problem
by Party Affiliation of Pennsylvania Residents**

	Very Serious	Somewhat Serious	Not too serious	Not a problem	Not Sure/Refused
Democrat	51%	26%	14%	6%	4%
Republican	30%	37%	20%	9%	4%
Independent	46%	26%	17%	4%	7%

With substantial concerns among the state’s adult residents regarding global warming, it follows that many residents of the Commonwealth would look to government to take quick action regarding the problem. The results of the survey bear out this expectation with almost 2 out of 3 Pennsylvanians agreeing that global warming requires immediate government action. These results in the Keystone State approximate national measures with only a slightly higher level (62% to 55%) of support for immediate government action among Pennsylvania residents.

TABLE FIVE A

“Do you think global warming is a problem that does or does not require immediate government action?”

	Yes	No	Not Sure/Refused
Pennsylvanians (May 2007)	62%	29%	10%
Americans (January 2007)	55%	31%	14%

PA results from Muhlenberg/Morning Call; National results from Pew Research Center

Within the high level of support for immediate government action to deal with climate change are some significant different among the Commonwealth’s age cohorts. As can be viewed in Table Five B, Pennsylvanians below the age of 44 (generally seen as members of Generation X and Y) are significantly more likely to see the need for

government action to reduce global warming than state residents age 45 or older (generally including members of the Baby Boom, Silent and Greatest generations).

TABLE FIVE B
Do you think global warming is a problem that does or does not require immediate government action?"

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	It is a problem that requires immediate government action?	It does not require immediate government action	Not Sure/Refused
18-34	74%	20%	5%
35-44	71%	23%	7%
45-54	60%	33%	8%
55-64	53%	36%	11%
65+	57%	31%	12%

RESPONSIBILITY FOR DEALING WITH GLOBAL WARMING: The study examined Pennsylvanians’ views on the responsibility of various levels of government for dealing with global warming. In recent years many state and local governments, including Pennsylvania, have taken an increased role in adopting policies that are aimed to curb climate change. This increased activity at the state and local levels comes at the same time that there has been growing criticism of national efforts to address global warming. Thus respondents were asked to express their views on the responsibility of the various levels of government in the United States for dealing with global warming.

TABLE SIX
“For each type of government that I mention please tell me what level of responsibility it should have for addressing global warming”

	A Great Deal of Responsibility	Some Responsibility	No Responsibility	Not Sure/Refused
Federal Government	51%	34%	9%	6%
State Governments	39%	47%	10%	6%
Local Governments	30%	50%	15%	6%

As can be seen in Table Six, Pennsylvanians place the greatest responsibility for dealing with global warming on the federal government, with over half of respondents indicating

the government in Washington D.C. has a great deal of responsibility on this matter. While not placing as much responsibility on state and local governments, a vast majority of Commonwealth residents place at least some responsibility on lower levels of government to deal with increasing global temperatures.

The strong level of responsibility that is placed on the federal governments by residents of the Keystone State does not correspond with high marks for the actual job that the national government is doing in addressing this issue. In particular, over 6 out of 10 residents of Pennsylvania said the federal government is doing too little to reduce global warming, compared to only 2 in 10 that said the national government is doing about the right amount. While also finding the Pennsylvania government lacking in its efforts to deal with global warming, state residents are slightly less critical of the government in Harrisburg.

TABLE SEVEN

“For each level of government that I mention, please tell me if you think that they are doing too much, too little, or about the right amount to reduce global warming”

	Doing Too Much	Doing Too Little	About the Right Amount	Not Sure/Refused
Federal Government	4%	61%	22%	14%
Pennsylvania Government	4%	49%	24%	24%

Survey respondents were also asked to rate the performance of President George Bush and Pennsylvania Governor Ed Rendell in terms of their efforts to fight global warming. Matching the broad criticism he had drawn nationally on this issue, President Bush receives very poor marks from Commonwealth residents regarding his work to confront global warming. Almost 2 out of 3 Pennsylvanians say the President is doing too little to reduce global warming. Comparatively, Governor Ed Rendell is rated more highly on his efforts to reduce the rising temperatures on earth, with 42% saying he is doing too little and 28% he is doing about the right amount. The full breakdown of Bush’s and Rendell’s ratings follow in Table Eight Below.

TABLE EIGHT

“For each government official that I mention, please tell me if you think that they are doing too much, too little, or about the right amount to reduce global warming”

	Doing Too Much	Doing Too Little	About the Right Amount	Not Sure/Refused
President George Bush	3%	63%	20%	14%
Governor Ed Rendell	5%	42%	28%	26%

Perhaps most troublesome for the rating of President Bush on his efforts to reduce global warming is his standing among Commonwealth Republicans. While it may be expected that only 1 in 10 PA Democrats say that the chief executive is doing about the right amount to fight global warming, it is considerably more surprising that only 3 out of 10 rank and file GOP members in Pennsylvania indicate the President is doing the right amount on this issue. Meanwhile, over half of the Republicans surveyed indicated that the 43rd President is doing too little to stop this problem.

TABLE NINE

Ratings of President Bush’s Efforts to Reduce Global Warming by Party Affiliation

	Doing Too Much	Doing Too Little	About he Right Amount	Not sure
Democrats	2%	73%	11%	11%
Republicans	3%	51%	31%	14%
Independents	0%	65%	20%	15%

VIEWS ON APPROACHES TO DEALING WITH GLOBNAL WARMING

In the final series of questions on global warming Pennsylvanians were asked to react to a series of statement related to policy options in this area. One particular area of interest was Pennsylvania’s Alternative Energy Portfolio Standard that was signed into law by Governor Ed Rendell in 2004. This law requires an increasing portion of the Commonwealth’s electricity to be generated from alternative energy sources such as wind and solar power. While the state has one of the more aggressive renewable

portfolio policies in the nation, Pennsylvanians seem generally unaware of this policy. As is noted in Table Ten, over half of Commonwealth residents surveyed did not know the state had a renewable requirement, with another 22% indicating the state had no renewable energy standard at all.

TABLE TEN

“Does Pennsylvania have a requirement for the production of renewable energy?”

	Yes	No	Not Sure/ Refused
Does Pennsylvania have a Renewable Energy Standard?	23%	22%	55%

Even though knowledge regarding the commonwealth’s renewable energy standard is quite limited among state residents, there is very strong support within Pennsylvania for a policy that requires a portion of all electricity produced in the Keystone State to come from renewables.

TABLE ELEVEN

“Pennsylvania should require a set portion of all electricity produced in the state to come from renewable resources.”

Position	Percent Responding
Strongly Support	36%
Somewhat Support	41%
Somewhat Oppose	6%
Strongly Oppose	3%
Not sure/refused	15%

While strongly supportive of state requirements of renewable sources of electricity, the Commonwealth’s residents are highly divided on two other approaches to reduce carbon emissions. In particular, Pennsylvania residents overwhelmingly oppose the use of increased taxes on fossil fuels as a means of reducing global warming, while offering very strong support for tax breaks for the purchase of hybrid fuel vehicles. As seen in Table Twelve, only 1 in 5 residents of the Keystone State supports an increase on gas, oil and coal as a means of reducing their consumption, with almost 1 in 2 strongly opposing this possibility. Conversely, about 3 out of 4 Pennsylvania adults support tax reductions for state residents who purchase hybrid vehicles.

TABLE TWELVE

Levels of Support for Various Means of Reducing Global Warming

	Raising Taxes on Fossil Fuels	Providing Tax Reduction for the Purchase of Hybrid Vehicles
Strongly Support	7%	35%
Somewhat Support	13%	39%
Somewhat Oppose	25%	7%
Strongly Oppose	49%	11%
Not sure/refused	6%	7%

While balking at the idea of fighting global warming through higher taxes on fossil fuels, the Commonwealth's residents do express willingness to pay extra money each year for more renewable energy to be produced in Pennsylvania. Just under 7 out of 10 Keystone State residents expressed a willingness to pay some amount in order for more renewable energy to be produced in Pennsylvania, with 4 in 10 indicating they would pay over 50 dollars a year to increase renewable energy production in the Commonwealth.

TABLE THIRTEEN

If it required you to pay extra money each year in order for more renewable energy to be produced in Pennsylvania, how much would you be willing to pay?

Nothing	23%
1 to 50 Dollars	28%
50 to 100 Dollars	20%
100 to 250 Dollars	13%
250 to 500 Dollars	6%
Over 500 Dollars	2%
Not Sure/Refused	8%

Finally, while Commonwealth residents expressed mixed views on the state's roles in encouraging the use of renewable resources, there is very solid opposition to the state abdicating its role in renewable resource enhancement. Almost 3 out of 4 Pennsylvania residents oppose leaving renewable energy policies to the federal government, with about 1 in 4 strongly opposing this option.

TABLE FOURTEEN

Level of support for the statement, “Pennsylvania should not take action on the issue of renewable energy and leave decisions in this area to the federal government.”

Position	Percent Responding
Strongly Support	6%
Somewhat Support	14%
Somewhat Oppose	34%
Strongly Oppose	38%
Not sure/refused	9%

CONCLUSION: This research project provides some baseline indicators on the attitudes and beliefs of Pennsylvania residents regarding global warming and renewable energy options. The findings indicate that Pennsylvanians generally believe that global warming is occurring and that human activity is contributing to this phenomenon. State residents also seek government actions at the federal, state and local levels to reduce global warming and express negative views about the efforts of President Bush and the federal government in addressing this issue. As a means of addressing climate change the Commonwealth’s residents support state actions to support renewable energy sources but oppose the use of increased taxes on fossil fuels to reduce carbon emissions.

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QUESTIONS AND RESULTS

5th Annual State of the Commonwealth Survey
Global Warming Questions (Qs 11 to 28)
Muhlenberg College Institute of Public Opinion/Morning Call
Field Dates – May 15-21, 2007
Population – Pennsylvanians 18 or Older
Sampling Procedure - RDD
465 Completed Surveys
Margin of Error = +/- 4.5% at 95% Level of Confidence
Percentages are rounded at .5 level; totals may not equal 100%

Question 11

In the next section of the survey, I would like to ask you a few questions on a different subject. From what you've read or heard, is there solid evidence that the average temperature on earth has been getting warmer over the past four decades?

YES.....71%
NO.....16%
NOT SURE..14%
REFUSED...<1%

(Only those answering yes to this question answered Question 12. All others skipped Question 12 and went to Question 13)

Question 12

Is the earth getting warmer because of human activity such as burning fossil fuels, or mostly because of natural patterns in the earth's environment?

HUMAN ACTIVITY.....46%
NATURAL PATTERNS.....15%
A COMBINATION.....34%
NOT SURE.....5%
REFUSED.....<1%

Question 13

In your view is global warming a very serious problem, somewhat serious, not too serious or not a problem?

VERY SERIOUS.....41%
SOMEWHAT SERIOUS.....31%
NOT TOO SERIOUS.....17%
NOT A PROBLEM.....7%

NOT SURE.....4%
REFUSED.....<1%

Question 14

Do you think global warming is a problem that does or does not require immediate government action?

YES, it requires immediate government action.....62%
NO, it does not require immediate government action...29%
NOT SURE.....9%
REFUSED.....<1%

Question 15

For each type of government that I mention please tell me what level of responsibility it should have for addressing global warming. Does it have a great deal of responsibility some responsibility or no responsibility for taking actions to reduce global warming.
First, the Federal Government?

A GREAT DEAL OF RESPONSIBILITY.....51%
SOME RESPONSIBILITY.....34%
NO RESONSIBILITY.....9%
NOT SURE.....5%
REFUSED.....<1%

Question 16

State governments?

A GREAT DEAL OF RESPONSIBILITY.....39%
SOME RESPONSIBILITY.....47%
NO RESONSIBILITY.....10%
NOT SURE.....5%
REFUSED.....<1%

Question 17

Local governments?

A GREAT DEAL OF RESPONSIBILITY.....30%
SOME RESPONSIBILITY.....50%
NO RESONSIBILITY.....15%
NOT SURE.....5%
REFUSED.....<1%

Question 18

Next, for each level of government or elected official that I mention, please tell me if you think that they are doing too much, too little, or about the right amount to reduce global warming.

First, President George W. Bush?

DOING TOO MUCH.....3%
DOING TOO LITTLE.....63%
ABOUT THE RIGHT AMOUNT....20%
NOT SURE.....13%
REFUSED.....1%

Question 19

The United States Government?

DOING TOO MUCH.....4%
DOING TOO LITTLE.....61%
ABOUT THE RIGHT AMOUNT....22%
NOT SURE.....13%
REFUSED.....<1%

Question 20

Pennsylvania Governor Ed Rendell?

DOING TOO MUCH.....5%
DOING TOO LITTLE.....42%
ABOUT THE RIGHT AMOUNT....28%
NOT SURE.....25%
REFUSED.....<1%

Question 21

The Pennsylvania Government?

DOING TOO MUCH.....4%
DOING TOO LITTLE.....49%
ABOUT THE RIGHT AMOUNT....24%
NOT SURE.....23%
REFUSED.....<1%

Question 22

Some states have required that a portion of the electricity produced in that state should be from renewable sources such as wind, solar or hydroelectric power. Does Pennsylvania have a requirement for the production of renewable energy?

YES.....23%
NO.....22%

NOT SURE.....55%
REFUSED.....<1%

Question 23

There have been a number of ideas proposed for how Pennsylvania can reduce green house emissions. For each idea that I mention please tell me if you strongly support, somewhat support, somewhat oppose, or strongly oppose the proposed policies.

First, Pennsylvania should require a set portion of all electricity produced in the state to come from renewable resources.

STRONGLY SUPPORT.....36%
SOMEWHAT SUPPORT.....41%
SOMEWHAT OPPOSE.....6%
STRONGLY OPPOSE.....3%
NOT SURE.....15%
REFUSED.....<1%

Question 24

Pennsylvania should increase taxes on gasoline, oil and coal to reduce consumption of fossil fuels.

STRONGLY SUPPORT.....7%
SOMEWHAT SUPPORT.....13%
SOMEWHAT OPPOSE.....25%
STRONGLY OPPOSE.....49%
NOT SURE.....6%
REFUSED.....<1%

Question 25

Pennsylvania should give state residents who purchase hybrid fuel vehicles a tax reduction.

STRONGLY SUPPORT.....35%
SOMEWHAT SUPPORT.....39%
SOMEWHAT OPPOSE.....7%
STRONGLY OPPOSE.....11%
NOT SURE.....7%
REFUSED.....<1%

Question 26

Pennsylvania should not take action on the issue of renewable energy and leave decisions in this area to the federal government.

STRONGLY SUPPORT.....6%
SOMEWHAT SUPPORT.....14%
SOMEWHAT OPPOSE.....34%
STRONGLY OPPOSE.....38%
NOT SURE.....8%
REFUSED.....<1%

Question 27

If it required you to pay extra money each year in order for more renewable energy to be produced in Pennsylvania, how much would you be willing to pay? Would you be willing to pay:
(READ LIST)

- Nothing each year
- 1 to 50 dollars per year
- 50 to 100 dollars a year
- 100 to 250 dollars per year
- 250 to 500 dollars per year
- or over 500 dollars per year

NOTHING.....23%
1 TO 50 DOLLARS.....28%
50 TO 100 DOLLARS....20%
100 TO 250 DOLLARS...13%
250 TO 500 DOLLARS...6%
OVER 500 DOLLARS.....2%
NOT SURE.....7%
REFUSED.....<1%

SELECTED DEMOGRAPHIC BREAKOUTS

In the next section of the survey, I would like to ask you a few questions on a different subject. From what you've read or heard, is there solid evidence that the average temperature on earth has been getting warmer over the past four decades?

	Yes	No	Not Sure
Democrat	76%	10%	14%
Republican	66%	21%	14%
Independent	67%	17%	15%
With another Party	75%	13%	13%
Male	68%	21%	11%
Female	72%	12%	16%
18-34	76%	13%	10%
35-44	87%	5%	8%
45-54	69%	20%	11%
55-64	69%	16%	15%
65+	62%	17%	21%

Is the earth getting warmer because of human activity such as burning fossil fuels or mostly because of natural patterns in the earth's environment?

	Human Activity	Natural Patterns	A combination	Not Sure
Democrat	50%	15%	30%	5%
Republican	45%	18%	32%	4%
Independent	39%	3%	58%	0%
With another Party	17%	17%	50%	17%
Male	40%	14%	40%	6%
Female	50%	16%	30%	4%
18-34	53%	15%	27%	5%
35-44	48%	17%	32%	4%
45-54	46%	21%	26%	7%
55-64	46%	8%	43%	3%
65+	39%	16%	40%	5%

In your view, is global warming a very serious problem, somewhat serious, not too serious, or not a problem?

	Very Serious	Somewhat Serious	Not too serious	Not a problem	Not Sure
Democrat	51%	26%	14%	6%	4%
Republican	30%	37%	20%	9%	4%
Independent	46%	26%	17%	4%	7%
With another Party	38%	25%	13%	25%	0%
Male	32%	37%	19%	9%	3%
Female	47%	27%	15%	6%	5%
18-34	52%	22%	16%	7%	1%
35-44	40%	40%	13%	3%	3%
45-54	37%	36%	18%	8%	4%
55-64	42%	27%	17%	9%	4%
65+	37%	30%	17%	8%	8%

Do you think global warming is a problem that does or does not require immediate government action?

	Yes, It is a problem that requires immediate government action?	No, it does not require immediate government action	Don't Know
Democrat	69%	25%	7%
Republican	54%	37%	9%
Independent	57%	30%	13%
With another Party	50%	38%	13%
Male	59%	34%	7%
Female	63%	26%	10%
18-34	74%	20%	5%
35-44	71%	23%	7%
45-54	60%	33%	8%
55-64	53%	36%	11%
65+	57%	31%	12%

For each type of government that I mention please tell me what level of responsibility it should have for addressing global warming. Does it have a great deal of responsibility some responsibility or no responsibility for taking actions to reduce global warming?

First, the Federal Government?

	A great deal of responsibility	Some Responsibility	No Responsibility	Not Sure
Democrat	57%	34%	4%	5%
Republican	44%	37%	14%	6%
Independent	46%	48%	4%	2%
With another Party	50%	25%	25%	0%
Male	52%	34%	12%	3%
Female	50%	35%	8%	7%
18-34	54%	34%	9%	2%
35-44	60%	34%	5%	2%
45-54	49%	37%	13%	2%
55-64	51%	33%	10%	5%
65+	46%	34%	9%	5%

State Governments?

	A great deal of responsibility	Some Responsibility	No Responsibility	Not Sure
Democrat	43%	45%	6%	5%
Republican	34%	47%	14%	5%
Independent	33%	59%	7%	2%
With another Party	38%	50%	13%	0%
Male	35%	51%	11%	3%
Female	41%	44%	9%	6%
18-34	44%	44%	10%	1%
35-44	45%	50%	3%	2%
45-54	37%	47%	14%	2%
55-64	41%	45%	9%	4%
65+	32%	48%	10%	11%

Local Governments?

	A great deal of responsibility	Some Responsibility	No Responsibility	Not Sure
Democrat	33%	51%	10%	5%
Republican	24%	49%	21%	6%
Independent	28%	56%	13%	2%
With another Party	25%	50%	25%	0%
Male	26%	53%	18%	3%
Female	32%	47%	13%	7%
18-34	40%	40%	17%	1%
35-44	36%	53%	8%	2%
45-54	27%	49%	22%	2%
55-64	26%	53%	14%	5%
65+	24%	51%	13%	12%

Next, for each level of government or elected official that I mention, please tell me if you think that they are doing too much, too little, or about the right amount to reduce global warming.

First, President George W. Bush?

	Doing too much	Doing too little	About the right amount	Not sure
Democrat	2%	73%	11%	11%
Republican	3%	51%	31%	14%
Independent	0%	65%	20%	15%
With another Party	13%	50%	25%	13%
Male	4%	65%	21%	10%
Female	2%	61%	20%	16%
18-34	4%	68%	17%	9%
35-44	0%	68%	15%	15%
45-54	4%	64%	22%	9%
55-64	2%	58%	28%	11%
65+	3%	58%	17%	22%

The United States Government?

	Doing too much	Doing too little	About the right amount	Not sure
Democrat	2%	69%	18%	10%
Republican	4%	53%	29%	14%
Independent	7%	61%	24%	9%
With another Party	13%	50%	25%	13%
Male	6%	62%	25%	7%
Female	3%	60%	20%	17%
18-34	2%	71%	15%	11%
35-44	2%	68%	18%	13%
45-54	4%	58%	29%	9%
55-64	7%	52%	30%	10%
65+	4%	60%	17%	19%

Pennsylvania Governor Ed Rendell?

	Doing too much	Doing too little	About the right amount	Not sure
Democrat	5%	45%	27%	23%
Republican	5%	38%	33%	24%
Independent	4%	44%	22%	30%
With another Party	13%	38%	38%	13%
Male	7%	43%	30%	21%
Female	4%	42%	26%	27%
18-34	4%	43%	27%	26%
35-44	0%	45%	24%	31%
45-54	5%	40%	30%	24%
55-64	7%	41%	35%	16%
65+	7%	43%	23%	27%

The Pennsylvania Government?

	Doing too much	Doing too little	About the right amount	Not sure
Democrat	3%	54%	21%	22%
Republican	4%	42%	31%	22%
Independent	4%	48%	22%	26%
With another Party	13%	50%	25%	13%
Male	7%	48%	26%	19%
Female	2%	49%	23%	25%
18-34	4%	46%	27%	22%
35-44	0%	57%	15%	29%
45-54	4%	43%	27%	25%
55-64	7%	47%	29%	16%
65+	4%	52%	22%	23%

If it required you to pay extra money each year in order for more renewable energy to be produced in Pennsylvania, how much would you be willing to pay? Would you be willing to pay?

	Nothing each year	1-50 Dollars	50-100 Dollars	100-250 Dollars	250-500 Dollars	Over 500 Dollars	Not Sure
Democrat	22%	26%	21%	14%	8%	3%	5%
Republican	19%	30%	22%	13%	6%	2%	8%
Independent	33%	33%	17%	7%	7%	0%	4%
With another Party	38%	38%	13%	13%	0%	0%	0%
Male	22%	27%	18%	15%	9%	3%	5%
Female	24%	29%	22%	11%	5%	1%	8%
18-34	15%	32%	24%	12%	10%	2%	4%
35-44	13%	36%	23%	16%	0%	5%	8%
45-54	24%	26%	22%	14%	7%	2%	5%
55-64	23%	28%	15%	19%	7%	1%	8%
65+	34%	24%	19%	7%	7%	<1%	9%

