

Massachusetts Renewables/ Cape Wind Survey

Prepared for
Civil Society Institute (CSI)

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June 7, 2006



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Methodology

Results are based on telephone interviews conducted among a sample of 600 adults (298 men and 302 women) age 18 and over, living in private households, in the state of Massachusetts. Interviewing was completed during the period of May 25-28, 2006.

Completed interviews of the 600 adults were weighted by two variables: age and gender, to ensure reliable and accurate representation of the adult population.

The margin of error at a 95% confidence level is plus or minus four percentage points for the sample of 600 adults. Smaller sub-groups will have larger error margins.

Executive Summary

Strong majorities of Massachusetts residents – including conservatives and those who live on the Cape/the Islands – would like to see the Bay State emerge as a national leader in alternative energy, including wind power projects such as the proposed Cape Wind offshore wind farm.

An Opinion Research Corporation poll for the Civil Society Institute involving 600 state residents surveyed between May 25-28, 2006 found that:

- Nine out of 10 residents think it would be a good idea for Massachusetts to be “a national leader in using cleaner and renewable energy on a large scale by moving ahead with offshore wind power and other alternative-energy initiatives.” More than two-thirds (67 percent) of residents said that this would be a “very good idea.” Little political variation was seen on this question with 90 percent of the state’s conservatives, 93 percent of independents and 94 percent of liberals indicating that national leadership for Massachusetts on renewable energy would be a good idea.
- About three out of four of all Massachusetts residents (74 percent) and a majority of Cape/Island residents (57 percent) pick wind power “to provide electricity for Cape Cod and the Islands” as their top choice over such alternatives as nuclear power (10 percent), coal (4 percent) and other energy sources (4 percent). Politics have relatively little to do with the preference for wind power, which was the first choice for conservatives (71 percent), independents (77 percent) and liberals (82 percent).

Executive Summary

- After hearing a balanced discussion of pros and cons, 81 percent of all Massachusetts adults and 61 percent of residents of the Cape/the Islands support the proposed Cape Wind offshore wind farm project. Opposition statewide is just 14 percent and only slightly over a third (36 percent) in the Cape/the Islands. Statewide support on a political basis is nearly uniform among conservatives (83 percent), independents (81 percent) and liberals (88 percent).
- Solar power (93 percent), more conservation (90 percent), and wind power (88 percent) are all seen by Massachusetts residents as deserving greater emphasis “before we resort to adding more nuclear power.” Among residents of the Cape/the Islands the preferences remain similar: solar power (93 percent), more conservation (89 percent) and wind power (77 percent). Independents (90 percent) and liberals (93 percent) are in step with conservatives (82 percent) in favoring more wind power before resorting to stepped up nuclear power production.
- Nearly nine out of ten Cape/Island residents (88 percent) and an even bigger share of all state residents (94 percent) think it is important that “Massachusetts and other states take steps such as the development of clean alternative energy resources – including offshore wind power – in order to help reduce global warming and our addiction to foreign energy sources.” On a statewide basis, nearly four out of five residents (79 percent) see such steps as being “very important.”

Executive Summary

- The vast majority of Massachusetts residents – including 90 percent of all adults and 76 percent of those on the Cape/the Islands – agree with the following statement: “The problem of reliance on foreign oil and the serious effects of global warming require that we take timely and decisive steps for renewable, safe and clean energy sources. We need transitional technologies on our path to energy independence. There are tough choices to be made and tradeoffs. We cannot afford to postpone decisions since there are no perfect options.”
- Most Massachusetts residents – 72 percent of all adults and 91 percent of those on the Cape/the Islands – are aware of Cape Wind, the offshore wind farm proposed for Nantucket Sound.
- About nine out of ten respondents (89 percent) live outside of the Cape/the Islands and 9 percent reside in the greater Cape Cod region. A total of 2 percent of survey respondents refused/declined to identify where they live.
- 26 percent of state residents identified themselves as conservatives, 36 percent as independents, 20 percent as liberals, and 14 percent as “not political.” Even though Cape/Islands residents accounted for only 9 percent of survey respondents, they weighed in as a much larger 14 percent of all conservatives.



Detailed Charts

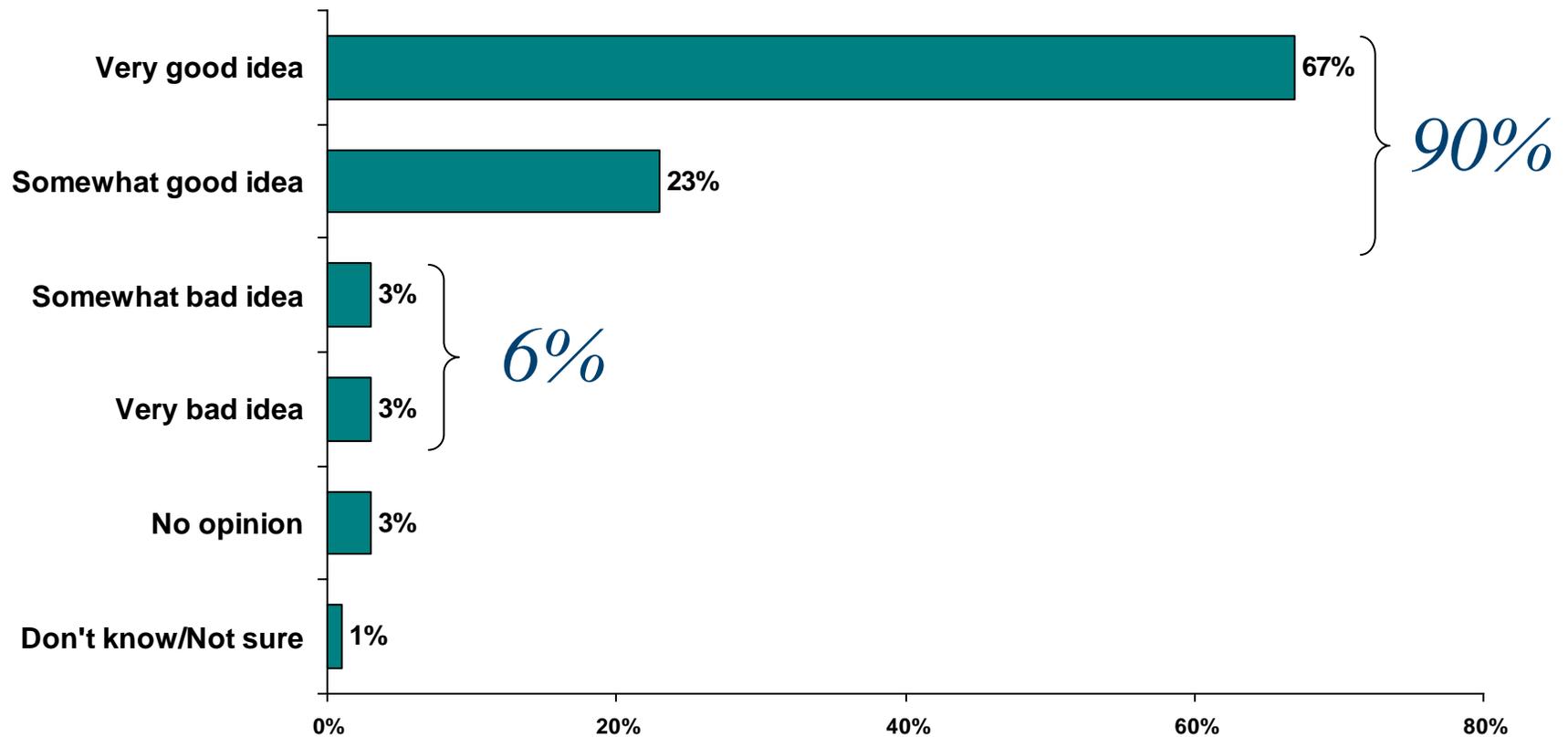
Massachusetts Being a Leader in Using Cleaner and Renewable Energy

- The vast majority of Massachusetts residents (90%) think it is a good idea for Massachusetts to be a national leader in using cleaner and renewable energy on a large scale by moving ahead with offshore wind power and other alternative-energy initiatives. Of this group, 67% say it is a very good idea and 23% say it is a somewhat good idea. Only 6% say it is a bad idea – 3% say somewhat bad idea and 3% say very bad idea.
 - Men are more likely than women to think it is a very good idea (74% vs. 61%), while women are more likely than men to think it is a somewhat good idea (29% vs. 16%).
 - The age group that is most likely to think it is a bad idea are those aged 55 and older (9%).
 - Respondents who do not live on the Cape/the Islands are more likely to think it is a good idea (92%) compared to those who do reside on the Cape/the Islands (73%).
 - Those in households with incomes of \$75,000 or more are more likely to think it is a very good idea (72%) than are those in households with incomes of less than \$35,000 (59%).
 - Those with a college degree are more likely to think it is a good idea (94%) than those with a high school education or less (86%).
 - Respondents who describe themselves as not political are the least likely to think it is a good idea (80%). There is little variation among those who describe themselves as political with 90% of conservatives, 93% of independents and 94% of liberals considering it a good idea.

Massachusetts Being a Leader in Using Cleaner and Renewable Energy

Q1: Massachusetts could be a national leader in using cleaner and renewable energy on a large scale by moving ahead with offshore wind power and other alternative-energy initiatives. Do you think it is a good idea or bad idea for Massachusetts to be a leader in this way? Would you say...

Majority Think it is a Good Idea



Base = Total respondents, 600 adults living in Massachusetts.

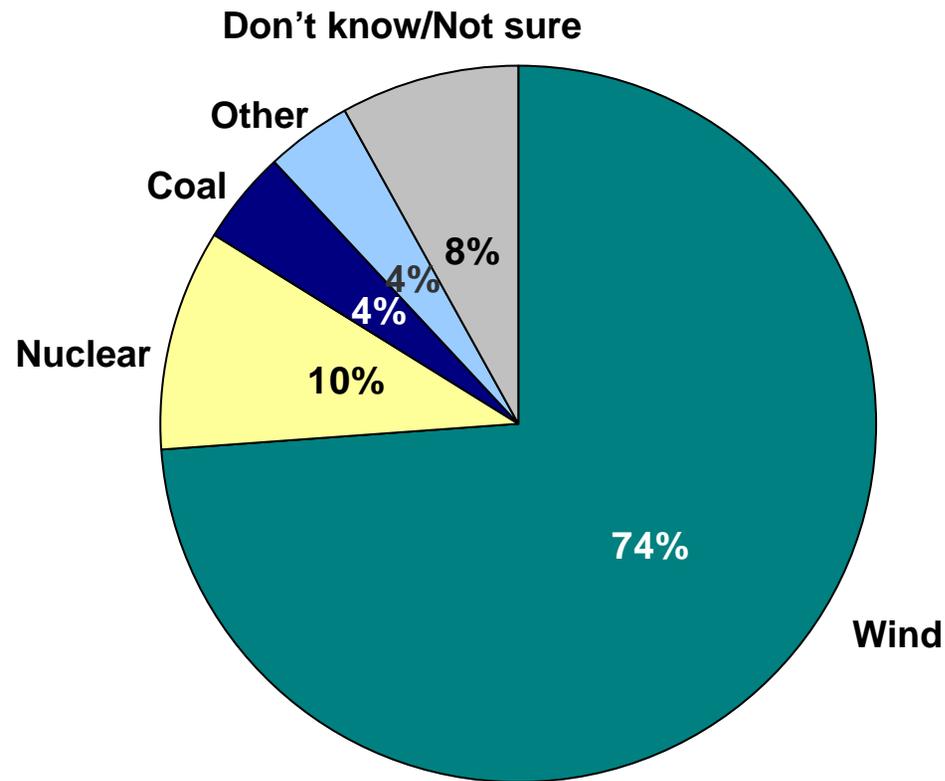
Which Energy Source is Favored the Most?

- Nearly three-quarters of Massachusetts residents (74%) favor wind the most as the energy resource to provide electricity for Cape Cod and the Islands. One in ten (10%) favor nuclear energy the most, while 4% favor coal and 4% favor other sources.
 - Men are more likely than women to favor nuclear energy the most (14% vs. 6%).
 - Those aged 55 and older are the age group most likely to favor nuclear energy (13%).
 - Respondents who do not live on the Cape/the Islands are more likely to favor wind energy the most (76%) compared to those who do reside on the Cape/the Islands (57%). Those living on the Cape/the Islands are more likely to favor nuclear power (20%) than those residing outside the area (9%).
 - Those with a college degree are more likely to favor wind energy (79%) than those with a high school education or less (69%).
 - Liberals are more likely to favor wind energy (82%) than conservatives (71%) and those who describe themselves as not political (68%). Conservatives are more likely to favor nuclear energy (18%) compared to independents (8%) and liberals (5%).
 - Those who say they will vote in 2006 or 2008 are more likely to favor wind energy (76%) than those who say they won't vote (57%).

Which Energy Source is Favored the Most?

Q3: Which of the following energy sources would you favor the MOST to provide electricity for Cape Cod and the Islands?

Wind Favored the Most by Far



Base = Total respondents, 600 adults living in Massachusetts.

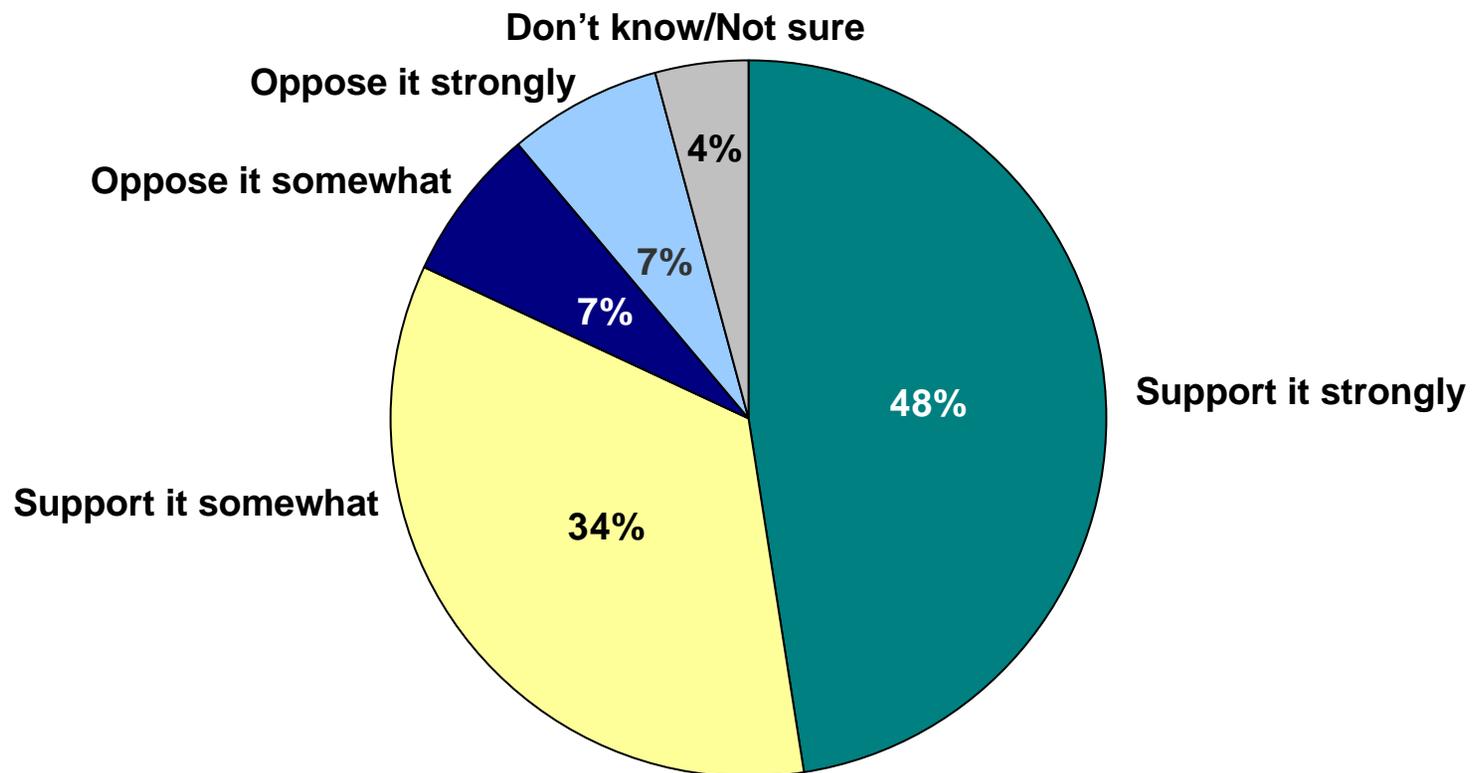
Supporting the Cape Wind Project

- Eight in ten Massachusetts residents (81%) support the proposed Cape Wind project – 48% support it strongly and 34% support it somewhat. Only fourteen percent oppose the project – 7% oppose it somewhat and 7% oppose it strongly.
 - Men are more likely than women to strongly support the project (55% vs. 39%), while women are more likely than men to support it somewhat (41% vs. 27%).
 - Those aged 55 and older are the age group most likely to strongly support the Cape Wind project (58%), while those aged 18-54 are more likely to support it somewhat (40%).
 - Respondents who do not live on the Cape/the Islands are more likely to support the project (84%) compared to those who do reside on the Cape/the Islands (61%).
 - Those in households with incomes of \$75,000 or more are more likely to support the project (87%) than are those in households with incomes of less than \$35,000 (75%).
 - Those with a college degree are more likely to support the Cape Wind project (85%) than those with a high school education or less (75%).
 - This is not a question where opinion varies ideologically: conservatives (83%), independents (81%), liberals (88%) and those who are not political (77%) all support the project.
 - Those who say they will vote in 2006 or 2008 are more likely to support the Cape Wind project (83%) than those who say they won't vote (68%).

Supporting the Cape Wind Project

Q5: The proposed Cape Wind offshore wind farm would involve wind turbines being placed in Nantucket Sound about five and a half miles from the Town of Hyannis. It is estimated that the project could produce enough power for about half of Cape Cod's electricity needs. People who support the project say it is needed to generate clean, renewable alternative energy for Cape Cod and also to reduce our reliance on imported energy without increasing global-warming emissions. People who oppose the project say it might be visually unappealing, could interfere with recreational sailing or other navigation, and might endanger birds. After hearing these positions, do you strongly support the proposed Cape Wind project, somewhat support it, somewhat oppose it, or strongly oppose it?

Most Support Cape Wind Project



Base = Total respondents, 600 adults living in Massachusetts.

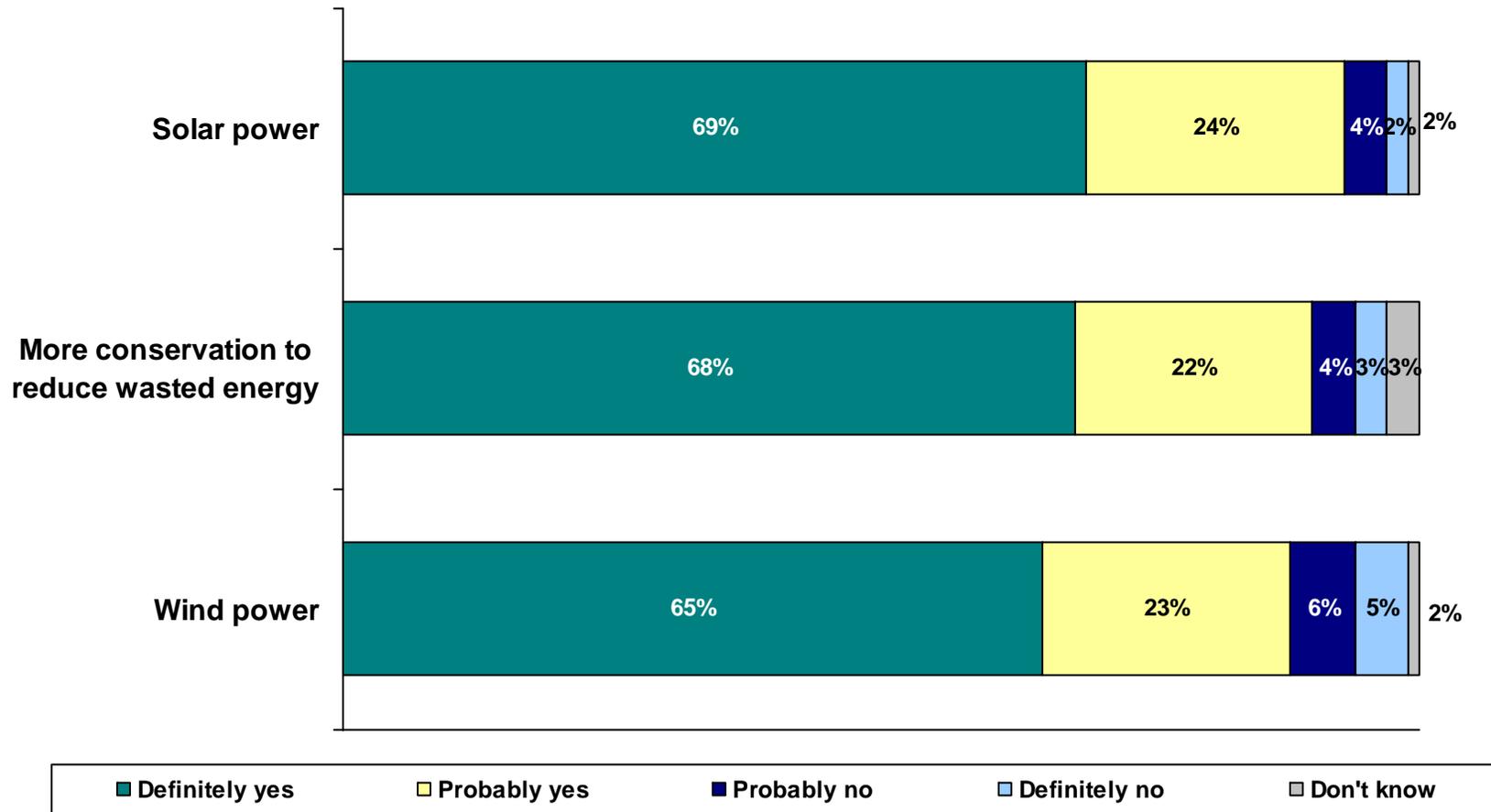
Explore Alternative Energy Before Adding Nuclear Power

- A substantial majority of Massachusetts adults are in favor of exploring solar power (93%), more conservation efforts to reduce wasted energy (90%) and exploring wind power (88%) before adding more nuclear power to the state and country's energy sources.
 - Respondents who do not live on the Cape/the Islands are more likely to favor exploring wind power (90%) compared to those who do reside on the Cape/the Islands (77%).
 - Respondents with three or more people in the home are more likely to favor each of these three measures than households with one or two inhabitants.
 - Liberals (93%) and independents (90%) are more likely to favor exploring wind power before adding more nuclear power than conservatives (82%).

Explore Alternative Energy Before Adding Nuclear Power

Q6: Some people are discussing the possibility of using more nuclear power in Massachusetts and the rest of the United States. Would you prefer to see the U.S. explore the use of any of the following safe and sustainable alternative energy steps and resources BEFORE we resort to adding more nuclear power? Would you say definitely yes, probably yes, probably no or definitely no?

Massachusetts Residents Prefer Exploring Alternative Energy Sources



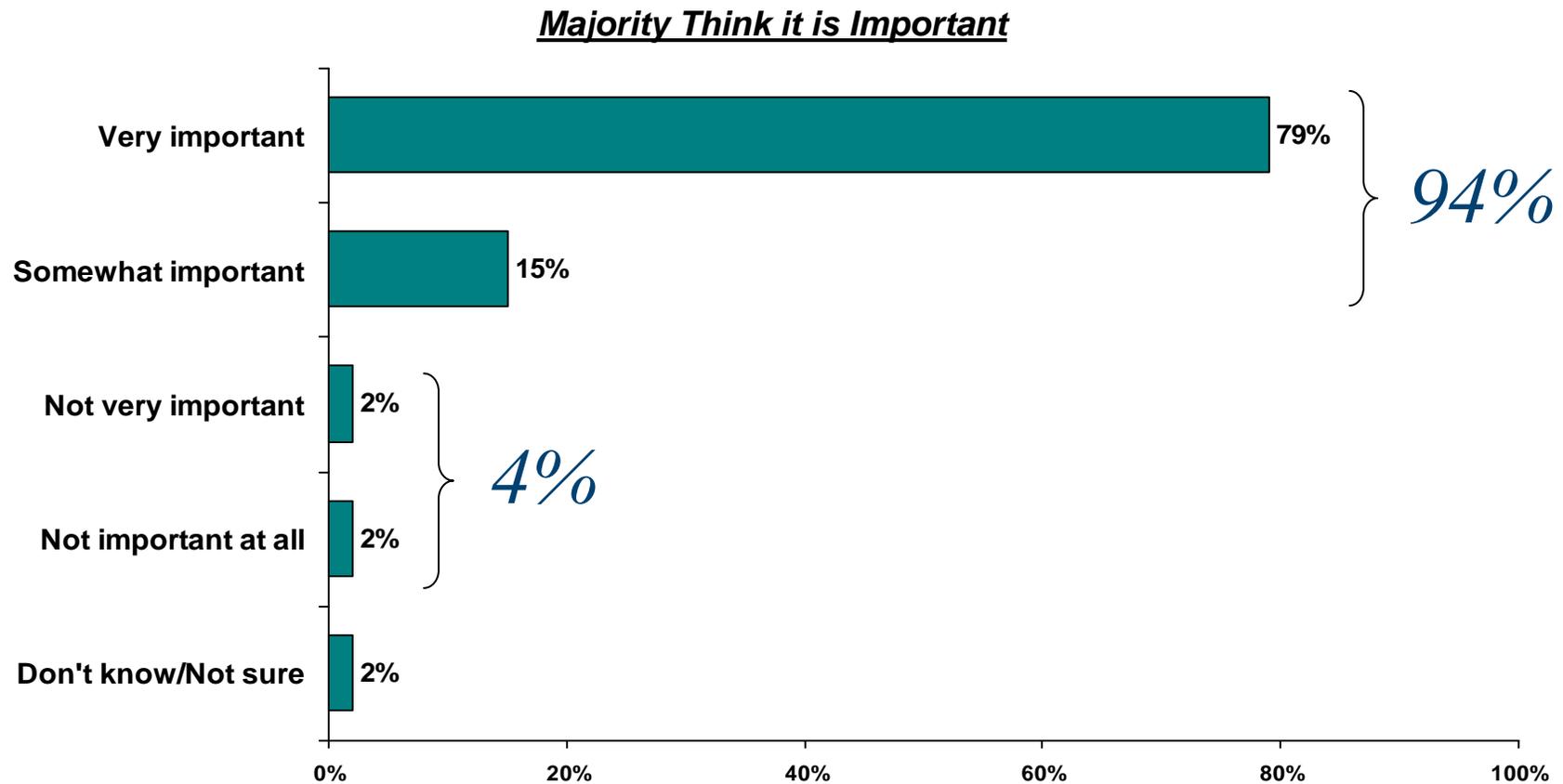
Base = Total respondents, 600 adults living in Massachusetts.

Importance of Taking Steps to Reduce Global Warming and Our Addiction to Foreign Energy Sources

- The vast majority of Massachusetts adults (94%) think it is important that the state and others take steps to reduce global warming and our addiction to foreign energy sources. Of this group, 79% think it is very important and 15% think it is somewhat important to do so.
 - Respondents age 35-54 are the most likely age group to think it is important to take these steps (97%).
 - Respondents who do not live on the Cape/the Islands are slightly more likely to think these steps are important (94%) compared to those who do reside on the Cape/the Islands (88%).
 - Those in households with incomes of \$75,000 or more are more likely to think these steps are important (97%) than are those in households with incomes of \$35,000 to less than \$75,000 (92%).
 - Independents (97%) and liberals (96%) are more likely to think taking steps to reduce global warming and our addiction to foreign energy is important than conservatives (88%).

Importance of Taking Steps to Reduce Global Warming and Our Addiction to Foreign Energy Sources

Q2: How important do you think it is that Massachusetts and other states take steps such as the development of clean alternative energy sources-including offshore wind power-in order to help reduce global warming and our addiction to foreign energy sources? Would you say...



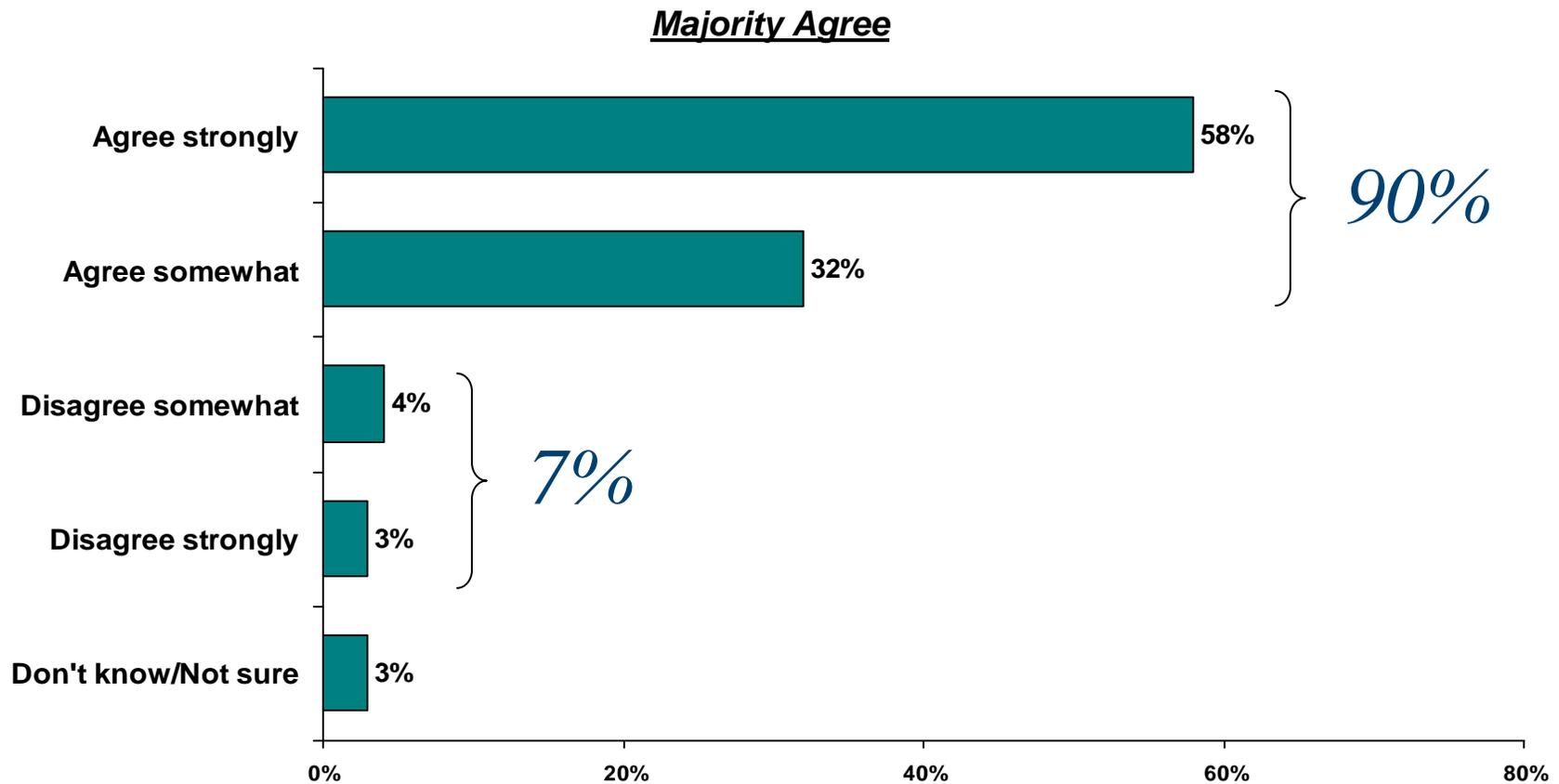
Base = Total respondents, 600 adults living in Massachusetts.

Need for Transitional Technologies to Reduce Global Warming and Reliance on Foreign Oil

- Nine in ten Massachusetts adults (90%) agree that we need transitional technologies to reduce global warming and our reliance on foreign oil. Of this group, 58% agree strongly and 32% agree somewhat. Only 7% disagree with this statement.
 - Respondents aged 35 and older are more likely to strongly agree with this statement (66%) compared to those aged 18-34 (40%).
 - Massachusetts adults who do not live on the Cape/the Islands are more likely agree (91%) than those who do reside on the Cape/the Islands (76%).
 - Those in households with incomes of \$75,000 or more are more likely to think these steps are important (94%) than are those in households with lower incomes (87%).
 - Those with a college degree are more likely to agree (93%) than those with a high school education or less (85%).
 - Conservatives (85%), independents (90%), liberals (92%) and those who are not political (97%) all agree with this statement.

Need for Transitional Technologies to Reduce Global Warming and Reliance on Foreign Oil

Q7: Please listen to the following statement: "The problem of reliance on foreign oil and the serious effects of global warming require that we take timely and decisive steps for renewable, safe and clean energy sources. We need transitional technologies on our path to energy independence. There are tough choices to be made and tradeoffs. We cannot afford to postpone decisions since there are no perfect options." Do you agree or disagree with this statement? Would you say you ...



Base = Total respondents, 600 adults living in Massachusetts.

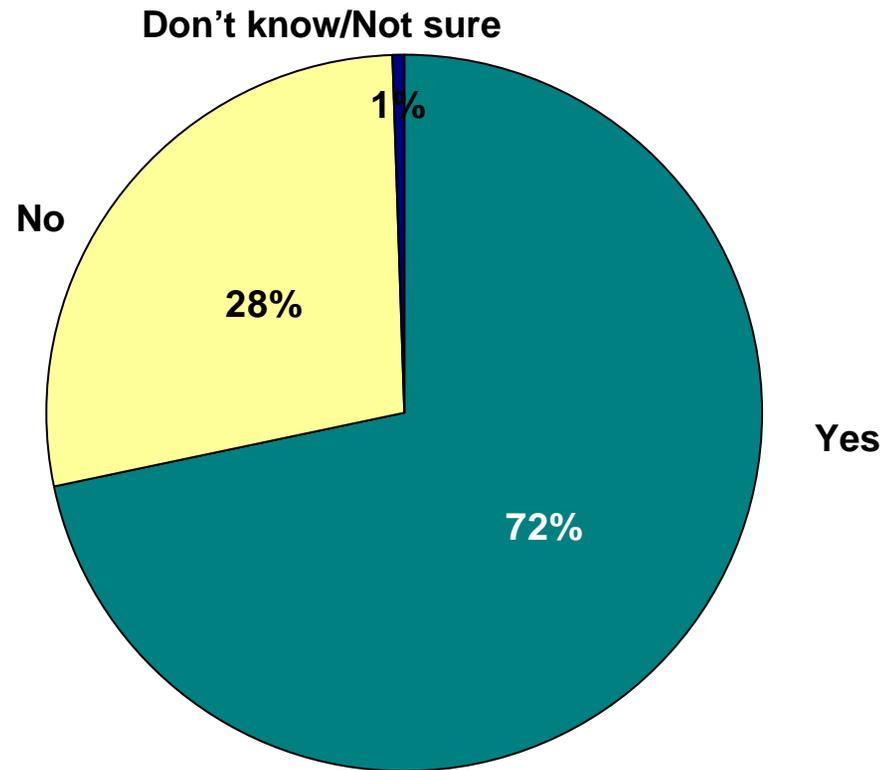
Aware of Cape Wind?

- Seven in ten Massachusetts adults (72%) are aware of the public discussion about Cape Wind, the offshore wind farm proposed for Nantucket Sound, while 28% say they have not heard about the project.
 - Men are more likely than women to be aware of Cape Wind (77% vs. 66%).
 - Respondents aged 35 and older are more likely to be aware (81%) compared to those aged 18-34 (52%).
 - Massachusetts adults who reside on the Cape/the Islands are more likely to be aware (91%) than those who do not live on the Cape/the Islands (70%).
 - Those in households with incomes of \$35,000 or more are more likely to be aware of Cape Wind (77%) than are those in households with incomes less than \$35,000 (50%).
 - Respondents with one or two inhabitants are more likely to be aware (81%) than households with three or more people in the home (65%).
 - Those with no children in the household are more likely to be aware of Cape Wind (78%) than those with kids in the household (65%).
 - Those with a college degree are more likely to be aware (80%) than those with less education (65%).
 - Independents (77%) and liberals (75%) are more likely to be aware of Cape Wind than conservatives and those who are not political (both 65%).
 - Those who say they will vote in 2006 or 2008 are much more likely to be aware of Cape Wind (75%) than those who say they won't vote (46%).

Aware of Cape Wind?

Q4: Are you aware of the public discussion about Cape Wind, the offshore wind farm proposed for Nantucket Sound?

Majority are Aware of Cape Wind

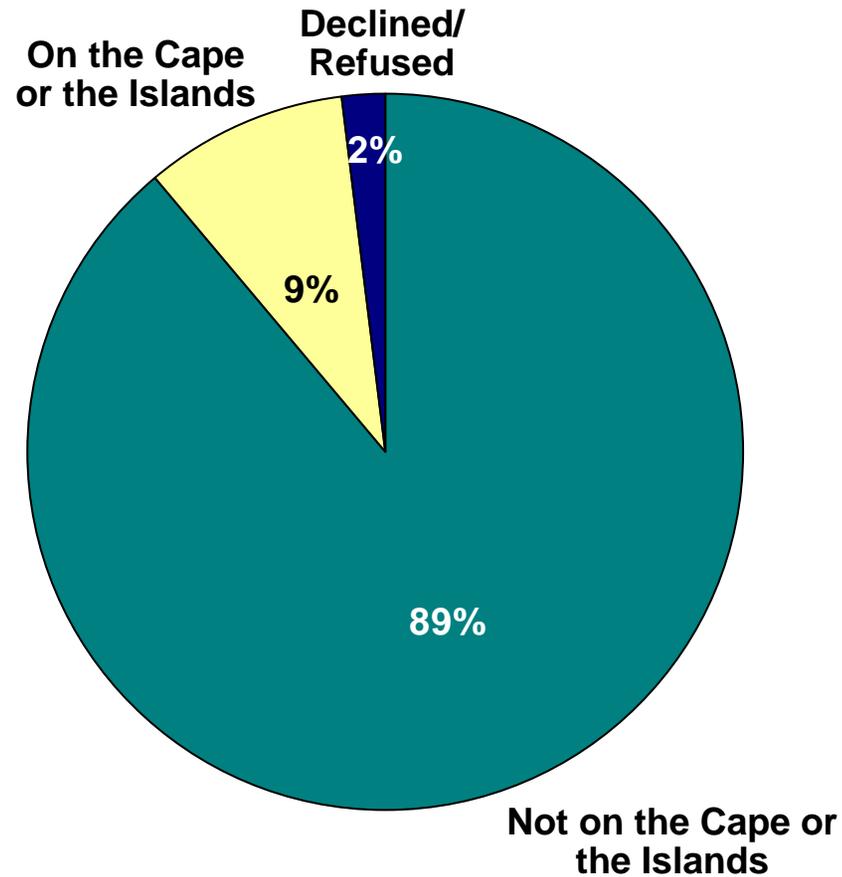


Base = Total respondents, 600 adults living in Massachusetts.

Where Live in Massachusetts?

Q9: Where do you live in Massachusetts? Would you say...

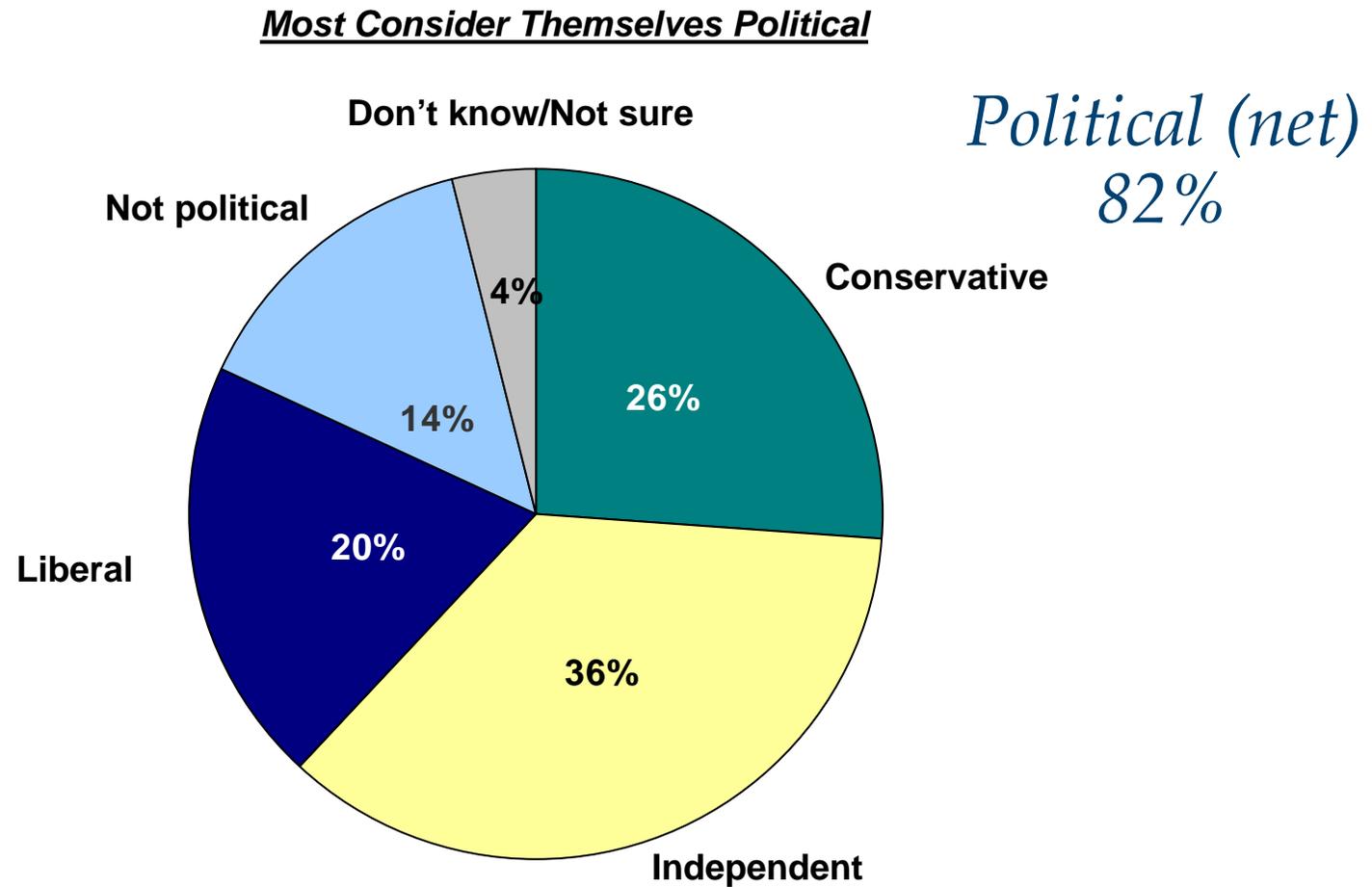
Majority Live Outside of the Cape/the Islands



Base = Total respondents, 600 adults living in Massachusetts.

Political and Ideological Identification

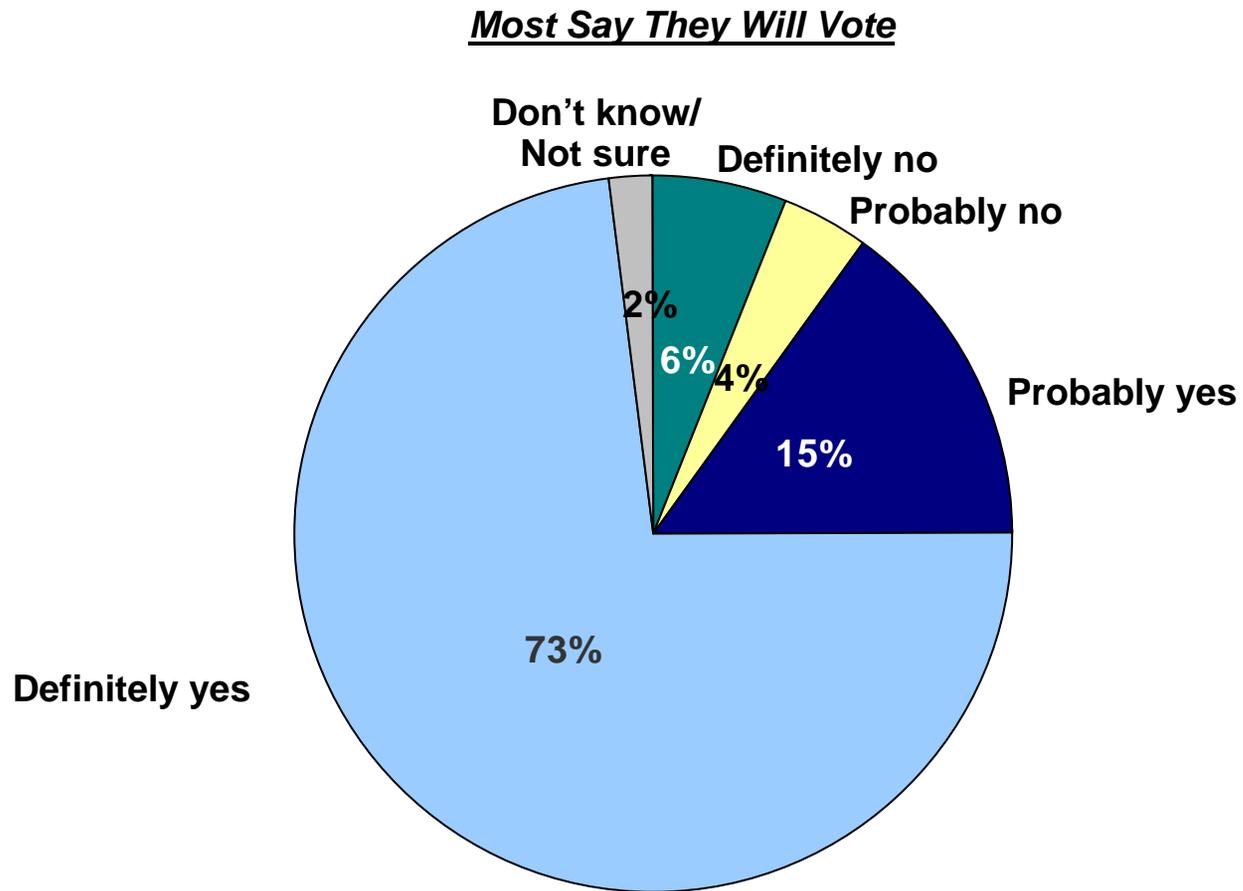
Q8: How would you describe yourself? Would you say...



Base = Total respondents, 600 adults living in Massachusetts.

Vote Intention

Q10: Do you intend to vote in the 2006 or 2008 elections? Would you say...



Base = Total respondents, 600 adults living in Massachusetts.



APPENDIX

RELIABILITY OF SURVEY PERCENTAGES

Results of any sample are subject to sampling variation. The magnitude of the variation is measurable and is affected by the number of interviews and the level of the percentages expressing the results.

The table below shows the possible sample variation that applies to percentage results reported herein. The chances are 95 in 100 that a survey result does not vary, plus or minus, by more than the indicated number of percentage points from the result that would be obtained if interviews had been conducted with all persons in the universe represented by the sample.

Size of Sample on Which Survey Results Are Based	Approximate Sampling Tolerances Applicable to Percentages At or Near These Levels				
	10% or 90%	20% or 80%	30% or 70%	40% or 60%	50%
1,000 interviews	2%	2%	3%	3%	3%
500 interviews	3%	4%	4%	4%	4%
250 interviews	4%	5%	6%	6%	6%
100 interviews	6%	8%	9%	10%	10%

Additional Sampling Tolerances for Samples of 1,000 Interviews

<u>9% or 91%</u> 2%	<u>8% or 92%</u> 2%	<u>7% or 93%</u> 2%	<u>6% or 94%</u> 1%	<u>5% or 95%</u> 1%
<u>4% or 96%</u> 1%	<u>3% or 97%</u> 1%	<u>2% or 98%</u> 1%	<u>1% or 99%</u> 2%	

SAMPLING TOLERANCES WHEN COMPARING TWO SAMPLES

Tolerances are also involved in the comparison of results from independent parts of the sample. A difference, in other words, must be of at least a certain number of percentage points to be considered statistically significant – that is not due to random chance. The table below is a guide to the sampling tolerances in percentage points applicable to such comparisons, based on a 95% confidence level.

Size of Samples Compared	Differences Required for Significance At or Near These Percentage Levels				
	10% or 90%	20% or 80%	30% or 70%	40% or 60%	50%
1,000 and 1,000	3%	4%	4%	4%	4%
1,000 and 500	3%	4%	5%	5%	5%
1,000 and 250	4%	6%	6%	7%	7%
1,000 and 100	6%	8%	9%	10%	10%
500 and 500	4%	5%	6%	6%	6%
500 and 250	5%	6%	7%	7%	8%
500 and 100	6%	9%	10%	11%	11%
250 and 250	5%	7%	8%	9%	9%
250 and 100	7%	9%	11%	11%	12%
100 and 100	8%	11%	13%	14%	14%

Q1 Massachusetts could be a national leader in using cleaner and renewable energy on a large scale by moving ahead with offshore wind power and other alternative-energy initiatives. Do you think it is a good or bad idea for Massachusetts to be a leader in this way? Would you say . . .
[READ LIST. RECORD ONE ANSWER]

67% It is a very good idea
23% Somewhat good idea
3% Somewhat bad idea
3% Or a very bad idea
3% NO OPINION
1% DON'T KNOW/NOT SURE

Q2 How important do you think it is that Massachusetts and other states take steps such as the development of clean alternative energy resources – including offshore wind power -- in order to help reduce global warming and our addiction to foreign energy sources? Would you say . . .
[READ LIST. RECORD ONE ANSWER]

79% Very important
15% Somewhat important
2% Not very important
2% Not important at all
2% DON'T KNOW/NOT SURE

Q3 Which of the following energy resources would you favor the MOST to provide electricity for Cape Cod and the Islands? [READ ENTIRE LIST BEFORE RECORDING ONE ANSWER. ROTATE 01-03]

74% Wind
10% Nuclear
4% Coal
4% OTHER [SPECIFY]
8% DON'T KNOW/NOT SURE

Q4 Are you aware of the public discussion about Cape Wind, the offshore wind farm proposed for Nantucket Sound?

72% YES
28% NO
1% DON'T KNOW/NOT SURE

Q5 The proposed Cape Wind offshore wind farm would involve wind turbines being placed in Nantucket Sound about five and a half miles from the Town of Hyannis. It is estimated that the project could produce enough power for about half of Cape Cod's electricity needs. People who support the project say it is needed to generate clean, renewable alternative energy for Cape Cod and also to reduce our reliance on imported energy without increasing global-warming emissions. People who oppose the project say it might be visually unappealing, could interfere with recreational sailing or other navigation, and might endanger birds. After hearing these positions, do you strongly support the proposed Cape Wind project, somewhat support it, somewhat oppose it, or strongly oppose it?

48% SUPPORT IT STRONGLY
34% SUPPORT IT SOMEWHAT
7% OPPOSE IT SOMEWHAT
7% OPPOSE IT STRONGLY
4% DON'T KNOW/NOT SURE

Q6 Some people are discussing the possibility of using more nuclear power in Massachusetts and the rest of the United States. Would you prefer to see the U.S. explore the use of any of the following safe and sustainable alternative energy steps and resources BEFORE we resort to adding more nuclear power? Would you say definitely yes, probably yes, probably no or definitely no? [READ AND ROTATE ITEMS]

A. More conservation to reduce wasted energy
68% Definitely yes
22% Probably yes
4% Probably no
3% Definitely no
3% DON'T KNOW/NOT SURE

B. Wind power
65% Definitely yes
23% Probably yes
6% Probably no
5% Definitely no
2% DON'T KNOW/NOT SURE

C. Solar power
69% Definitely yes
24% Probably yes
4% Probably no
2% Definitely no
2% DON'T KNOW/NOT SURE

Q7 Please listen to the following statement: “The problem of reliance on foreign oil and the serious effects of global warming require that we take timely and decisive steps for renewable, safe and clean energy sources. We need transitional technologies on our path to energy independence. There are tough choices to be made and tradeoffs. We cannot afford to postpone decisions since there are no perfect options.” Do you agree or disagree with this statement? Would you say you . . . [READ LIST. RECORD ONE ANSWER]

58%	Agree strongly
32%	Agree somewhat
4%	Disagree somewhat
3%	Disagree strongly
3%	DON'T KNOW/NOT SURE

And now, just a few questions for background purposes...

Q8 How would you describe yourself? Would you say . . . [READ LIST. RECORD ONE ANSWER]

26%	Conservative
36%	Independent
20%	Liberal
14%	Not political
4%	DON'T KNOW/NOT SURE

Q9 Where do you live in Massachusetts? Would you say . . . [READ LIST. RECORD ONE ANSWER]

9%	On the Cape or the Islands
89%	Not on the Cape or the Islands
2%	DECLINED/REFUSED

Q10 Do you intend to vote in the 2006 or 2008 elections? Would you say . . . [READ LIST. RECORD ONE ANSWER]

6%	Definitely no
4%	Probably no
16%	Probably yes
73%	Definitely yes
2%	DON'T KNOW/NOT SURE