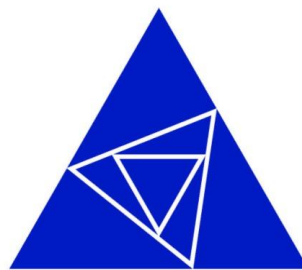


Poll of National Grid Customers

Conducted January 7 to January 10, 2010



CENTER FOR POLICY ANALYSIS
UNIVERSITY OF MASSACHUSETTS
DARTMOUTH

January, 2010

**UNIVERSITY OF MASSACHUSETTS DARTMOUTH
CENTER FOR POLICY ANALYSIS**

The University of Massachusetts Dartmouth Center for Policy Analysis is a multidisciplinary research unit that promotes economic, social, and political development by providing research and technical assistance to client organizations. The Center for Policy Analysis offers custom designed research and technical analysis in the areas of economic development, public management, program evaluation and polling research for government agencies, non-profit organizations, private businesses, and educational institutions. The Center for Policy Analysis strives to erode the walls between research and teaching by training students in the techniques of applied social science and by conducting university and community based educational programs. The Center for Policy Analysis does not pursue a predetermined research agenda, but is a flexible research organization responding on a timely basis to the problems and issues identified by client agencies.

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David Borges, M.P.A., Public Administration
Assistant Director/Senior Research Associate

Matthew Hirschy, M.P.P., Public Policy
Research Associate

ADJUNCT RESEARCH ASSOCIATES

Paul Vigeant, M.A., Public Administration
SouthCoast Development Partnership

Correspondence and inquiries should be addressed to: Center for Policy Analysis, University of Massachusetts Dartmouth, 285 Old Westport Road, North Dartmouth, Massachusetts 02747-2300 (telephone: 508-990-9660; fax: 508-999-8374).

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EXECUTIVE SUMMARY

Cape Wind is a private developer seeking to build an offshore wind power plant on Horseshoe Shoal in Nantucket Sound. The project would consist of 130 wind turbines and cover 25 square miles. National Grid, the largest electric company in Massachusetts, is currently negotiating a contract to buy power from Cape Wind. The primary purpose of this random sample telephone survey is to measure respondents' support of wind power and their willingness to pay more for electricity produced from wind turbines.

A total of 436 telephone interviews were conducted between January 7, 2010 and January 10, 2010 with National Grid customers who are registered to vote. Respondents were further screened to include individuals who are familiar with the amount they pay monthly for their electricity. The margin of error for the total set of data is +/- 4.7 percent.

Results of the poll include:

Concern about Cost of Electricity

- Overall, respondents are concerned about the cost of electricity; 44 percent of respondents are very concerned with the cost of electricity, 38 percent are concerned, 13 percent are not very concerned, 4 percent are not concerned at all and 1 percent do not know.

Support of Wind Power

- Three-quarters of respondents (75%) indicate they support or strongly support the construction of wind turbines to produce electricity. Ten percent of respondents (10%) indicate they support the construction of wind turbines a little, while 4 percent do not support the construction of wind turbines and 12 percent do not know.
- Respondents with higher levels of education, higher incomes and those in higher age cohorts report higher levels of support for the construction of wind turbines as a source of electricity than do respondents with lower levels of education, lower incomes and who are younger.

Global Warming

- Nearly two-thirds of respondents (64%) believe that wind power projects can help fight global warming, while 14 percent do not agree and 23 percent do not know.

Support for Political Candidates

- A majority of respondents are at least somewhat more likely to support a candidate who supports wind projects (70% somewhat more likely/much more likely to support) or who endorses policies that cut a respondent's electric bill (79% somewhat more likely/much more likely to support).
- However, a higher percentage of respondents report they are "much more likely" to support a candidate who endorses policies that cut their electric bill (43%) in comparison to candidates who support wind power projects (26%).

Perceived Cost of Offshore Wind Power

- Nearly half of respondents (49%) believe that offshore wind power projects will lower their electric bill, while 17 percent do not believe these projects will lower their electric bill and 34 percent do not know.
- Forty percent of respondents believe electricity generated by offshore wind costs less than electricity generated by existing sources, while 11 percent believe it costs more, 14 percent believe it costs the same amount and 35 percent do not know.

Willingness to Pay More for Electricity Produced by Wind Turbines

Despite the fact that 75 percent of respondents support or strongly support wind power projects, they are particularly price sensitive to increases in their electric bills as a result of the increased cost to produce offshore wind energy.

- A majority of respondents (55%) report they would not pay more for electricity if it were produced by wind turbines, while 27 percent report they would pay more for electricity produced by wind turbines and 18 percent do not know.

Awareness of the Cape Wind Proposal and Negotiations to Purchase Power from National Grid

- More than three-quarters of respondents (78%) are aware of the Cape Wind proposal to construct an offshore wind power plant on Horseshoe Shoal in Nantucket Sound.
- Eighty-eight percent of respondents (88%) report they are unaware that National Grid is negotiating a contract to buy power from Cape Wind.

Effect of Electric Bill Increase on Respondents' Support for Cape Wind

Respondents were asked if they would be more or less likely to support the Cape Wind project if National Grid's purchase of power from Cape Wind was to increase their electric bill by \$50 per year, increase their bill by \$100 per year and increase their bill by \$150 per year.

- Respondents are price sensitive; the higher the increase in their bill, the less likely they are to support the Cape Wind project. For example, while forty-two (42%) of respondents are less likely to support Cape Wind if their bill increased by \$50 per year, this percentage increases to 67 percent at the \$100 per year increase threshold and to 78 percent at the \$150 per year increase threshold.

Right to Know Impact of the Cape Wind Project on Electric Bill and Tax Bill

- Respondents were asked if they believe they have the right to know the impact of the Cape Wind project on their electric bill and their tax bill. Ninety-six percent of respondents agree that they have a right to know the impact of the Cape Wind Project on their electric and tax bills, while 2 percent do not agree and 2 percent do not know.

Federal Review of Cape Wind

The federal review of Cape Wind concluded that its cost to produce electricity would be significantly higher than current prices. Respondents were asked how likely they would be to support Cape Wind in light of this review.

- Over half of respondents (54%) are somewhat not likely (16%) or not likely (38%) to support the Cape Wind project in light of the federal review. Twelve percent of respondents (12%) report they are very likely to support the Cape Wind project in light of the review, while 23 percent are somewhat likely to support the project and 12 percent do not know.

Support for Political Candidates in Favor of Wind Projects

Respondents were asked if they would support political candidates who worked in favor of wind power projects even if these new projects raised their electric bill.

- Thirty-six percent of respondents (36%) report that they would support political candidates who worked in favor of wind power projects even if these new projects raised their electric bill, while 38 percent would not vote for these candidates and 27 percent do not know.

1.00 INTRODUCTION

Cape Wind is a private developer seeking to build an offshore wind power plant on Horseshoe Shoal in Nantucket Sound. The project would consist of 130 wind turbines and cover 25 square miles. National Grid, the largest electric company in Massachusetts, is currently negotiating a contract to buy power from Cape Wind. The primary purpose of this random sample telephone survey is to explore the dynamic between a respondent's support of wind power and their willingness to pay more for electricity produced from wind turbines. The survey is sponsored by the Alliance to Protect Nantucket Sound.

2.00 METHODOLOGY AND SURVEY TABULATION

A total of 436 telephone interviews were conducted between January 7, 2010 and January 10, 2010 with National Grid customers who are registered to vote. Respondents were further screened to only include individuals who are familiar with the amount they pay monthly for their electricity. The margin of error for the complete set of data is +/- 4.7 percent and the response rate is 17.1 percent (AAPOR #4).

Interviews were conducted between 9:00 am and 8:00 pm on weekdays and 10:00 am and 4:00 pm on Saturday and Sunday. This range of hours provides the interviewers with an opportunity to contact hard to reach respondents, a procedure crucial to producing high quality survey data. Return calls were scheduled at the convenience of the respondents. Respondents were called a minimum of five times before they were determined to be unreachable.

The Center's senior staff continually monitored the progress of interview outcomes to prevent problem cases that could interfere with the integrity of survey procedures. The survey procedures used by the Center for Policy Analysis adhere to the highest quality academic and government research standards.

2.10 SURVEY INSTRUMENT

The telephone survey was conducted using a survey instrument developed by the Center for Policy Analysis. A copy of the survey instrument can be found in Appendix A.

2.20 SAMPLING PROCEDURES

The Center for Policy Analysis uses the Genesys Sampling System from Marketing Systems Group to generate random telephone numbers. The system uses a list of all possible telephone numbers in the United States to randomly generate a telephone sample for a designated geographic area. The survey was conducted using a random digit dialing (RDD) sample. The RDD sample ensures an equal and known probability of selection for every residential telephone number in the sample frame. The sample definition includes all Massachusetts cities and towns that are served by National Grid.



2.30 SURVEY ADMINISTRATION

The Center for Policy Analysis uses Computer Assisted Telephone Interviewing, or CATI, to conduct telephone surveys. Specifically, the Center for Policy Analysis uses WinCATI software from Sawtooth Technologies, which is one of the oldest and most widely used CATI systems in the world. Using WinCATI, telephone interviewers conduct interviews via computers, which provides highly reliable data because the computer controls the questionnaire, skip patterns are executed exactly as intended, responses are within range, and there are no missing data.

The survey questionnaire was tested in WinCATI to determine if there were any errors. In addition, twenty test interviews were conducted to further vet problems and to provide interviewers “live” training on the project.

2.40 TELEPHONE INTERVIEWER TRAINING AND SUPERVISION

Center staff and student research assistants and were employed as telephone interviewers. These interviewers have conducted numerous telephone polls on behalf of the Center and all have been trained intensively, including practice interviews. Senior-level staff at the Center for Policy Analysis monitored the interviewers at all times to ensure high quality data collection.

2.50 SAMPLE WEIGHTING

The sample was weighted to account for sampling bias. Sampling bias is defined as the tendency of a sample to exclude some members of the sampling universe and over-represent others. In this sample, females are over-represented. Weighting the data allocates more “weight” to groups that are under-represented (e.g. males), while providing less weight to groups that are over-represented (e.g. females). In other words, weighting adjusts the sample so that it looks more like the actual population of the National Grid service area as defined by the U.S. Census Bureau (2000 STF3 File).¹ All data in this report have been weighted to adjust for sex, although the actual difference between the unweighted and weighted samples are generally within 1 to 2 percentage points for each of the questions.

¹ More recent data from the U.S. Census American Community Survey was not used because this data does not cover all geographies contained in the study area.



3.00 RESULTS AND FINDINGS

3.10 COST OF ELECTRICITY & SUPPORT OF WIND POWER

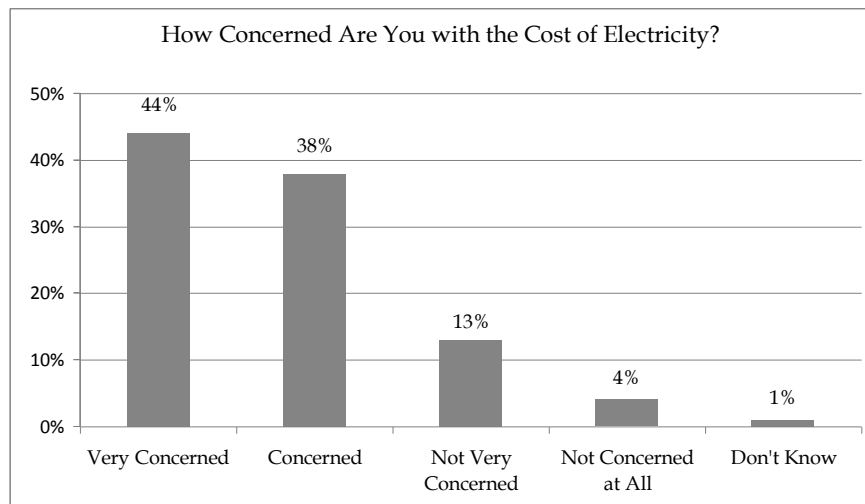
3.11 COST OF ELECTRICITY

Overall, respondents are concerned about the cost of electricity; 44 percent of respondents are very concerned with the cost of electricity, 38 percent are concerned, 13 percent are not very concerned, 4 percent are not concerned at all and 1 percent do not know (see Table 1 and Figure 1).

Table 1
How Concerned Are You with the Cost of Electricity?

	Number	Percent
Very Concerned	192	44%
Concerned	166	38%
Not Very Concerned	56	13%
Not Concerned at All	18	4%
Don't Know	4	1%

Figure 1



3.12 SUPPORT OF WIND POWER

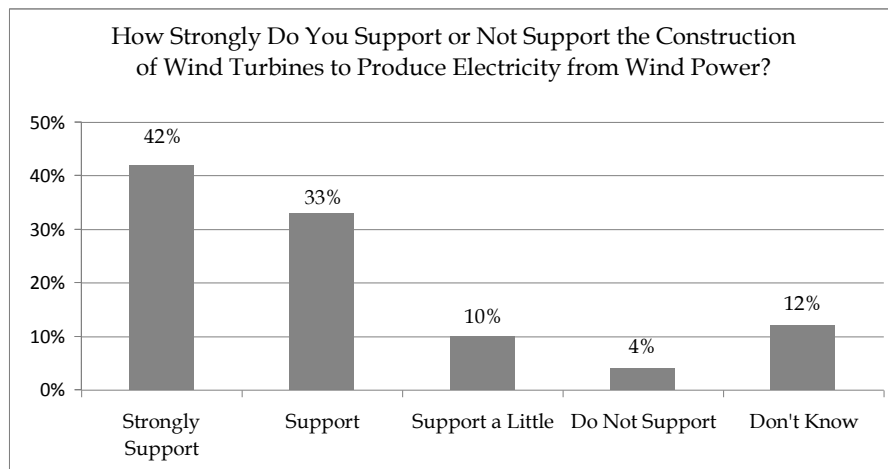
A majority of respondents support the construction of wind turbines to produce electricity from wind power, with three-quarters (75%) indicating they support or strongly support the construction of wind turbines to produce electricity. Ten percent of respondents (10%) indicate they support the construction of wind turbines a little, while 4 percent do not support the construction of wind turbines and 12 percent do not know (see Table 2 and Figure 2).

Respondents with higher levels of education, higher incomes and those in higher age cohorts report higher levels of support for the construction of wind turbines as a source of electricity than do respondents with lower levels of education, lower incomes and who are younger.

Table 2
How Strongly Do You Support the Construction of Wind Turbines to Produce Electricity from Wind Power?

	Number	Percent
Strongly Support	181	42%
Support	142	33%
Support a Little	44	10%
Do Not Support	18	4%
Don't Know	52	12%

Figure 2



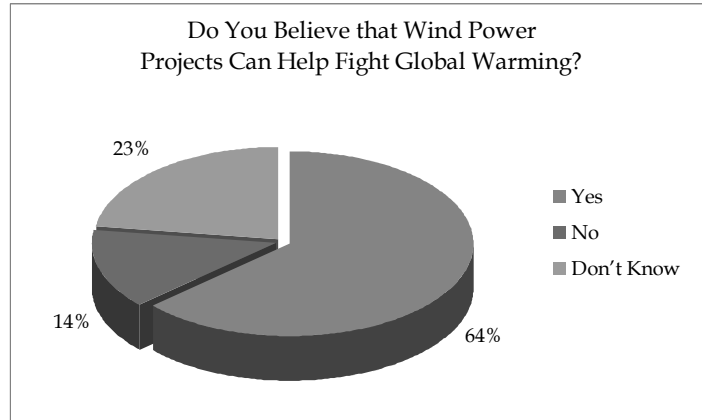
3.20 GLOBAL WARMING

Nearly two-thirds of respondents (64%) believe that wind power projects can help fight global warming, while 14 percent do not agree and 23 percent do not know (see Table 3 and Figure 3). The higher a respondent's income, the more likely they are to believe that wind power projects can help fight global warming.

Table 3
Do You Believe that Wind Power Projects Can Help Fight Global Warming?

	Number	Percent
Yes	280	64%
No	59	14%
Don't Know	97	23%

Figure 3



3.30 POLITICAL SUPPORT FOR CANDIDATES WHO SUPPORT WIND POWER OR WHO ENDORSE POLICIES THAT CUT RESPONDENTS' ELECTRIC BILL

Respondents were asked two questions about their likeliness to vote for a political candidate:

“How much more likely or unlikely are you to vote for a political candidate who supports wind power projects?”

“How much more likely or unlikely are you to vote for a political candidate who endorses policies that cut your electric bill?”

A majority of respondents are at least somewhat more likely to support a candidate who supports wind projects (70% somewhat more likely/much more likely to support) or who endorses policies that cut a respondent's electric bill (79% somewhat more likely/much more likely to support) (see Table 4 and Figure 4).

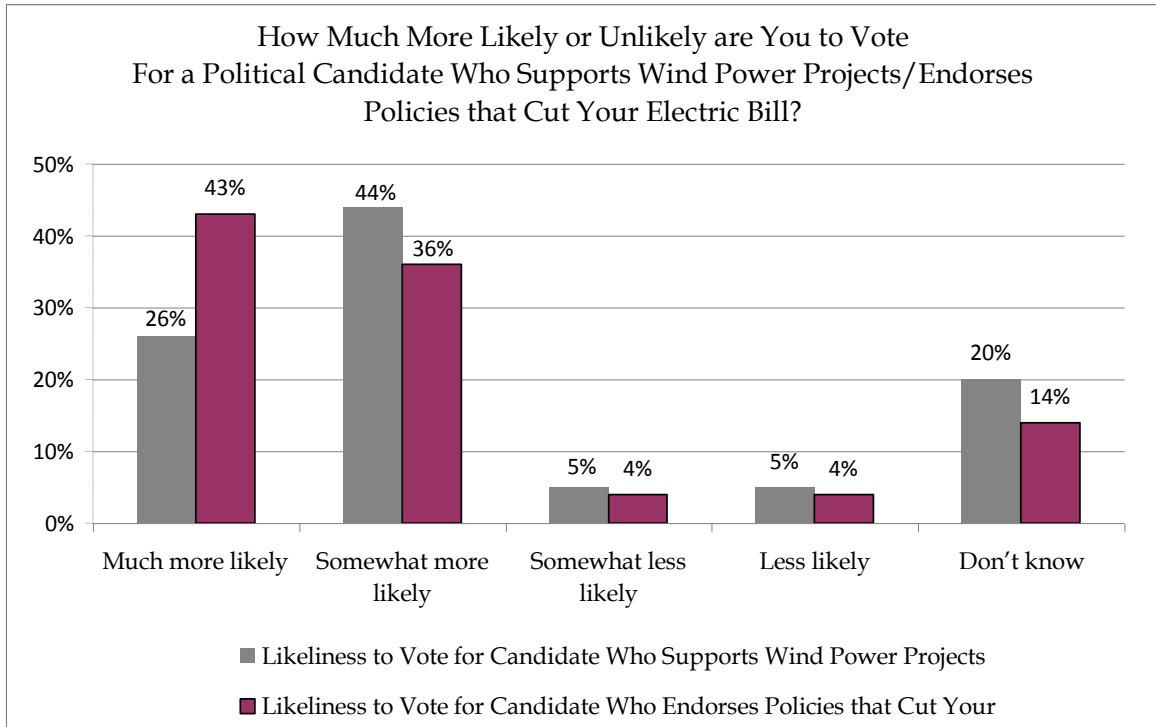
However, a higher percentage of respondents report they are “much more likely” to support a candidate who endorses policies that cut their electric bill (43%) in comparison to candidates who support wind power projects (26%). Only small percentages of respondents are “somewhat less likely” or “less likely” to support a candidate who supports wind projects or who endorses policies that cut a respondent's electric bill.

Table 4
How Much More Likely or Unlikely are You to Vote
For a Political Candidate Who Supports Wind Power Projects/
Endorses Policies that Cut Your Electric Bill?

	Likeliness to Vote for Candidate Who Supports Wind Power Projects		Likeliness to Vote for Candidate Who Endorses Policies that Cut Your Electric Bill	
	Number	Percent	Number	Percent
Much more likely	113	26%	188	43%
Somewhat more likely	193	44%	155	36%
Somewhat less likely	21	5%	15	4%
Less likely	23	5%	18	4%
Don't know	86	20%	60	14%



Figure 4



3.40 PERCEIVED COST OF OFFSHORE WIND POWER & WILLINGNESS TO PAY MORE FOR ELECTRICITY PRODUCED BY WIND TURBINES

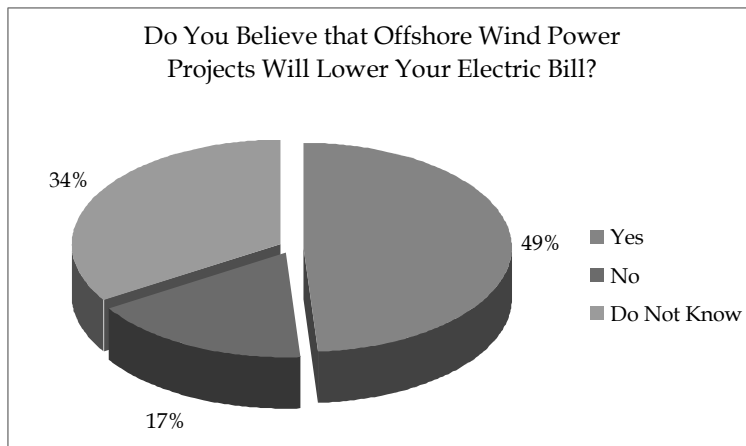
3.41 EFFECT ON ELECTRIC BILL

Nearly half of respondents (49%) believe that offshore wind power projects will lower their electric bill, while 17 percent do not believe these projects will lower their electric bill and 34 percent do not know (see Table 5 and Figure 5).

Table 5
Do You Believe that Offshore Wind Power Projects Will Lower Your Electric Bill?

	Number	Percent
Yes	214	49%
No	75	17%
Don't Know	146	34%

Figure 5



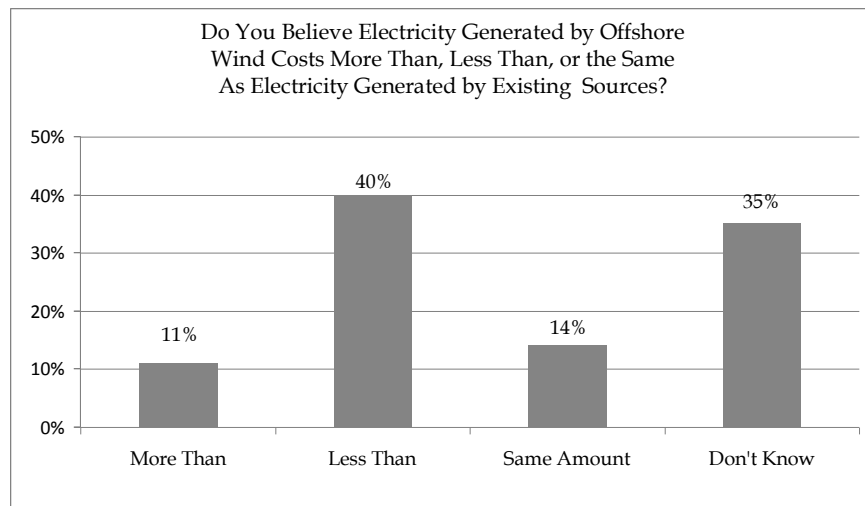
3.42 COST OF OFFSHORE WIND POWER IN COMPARISON TO EXISTING SOURCES

Eleven percent of respondents (11%) believe electricity generated by offshore wind costs more than electricity generated by existing sources, while 40 percent believe it costs less, 14 percent believe it costs the same amount and 35 percent do not know (see Table 6 and Figure 6).

Table 6
Do You Believe Electricity Generated by Offshore Wind Costs More Than, Less Than, or the Same As Electricity Generated by Existing Sources?

	Number	Percent
More than	48	11%
Less than	172	40%
Same amount	63	14%
Don't know	153	35%

Figure 6



3.43 WILLINGNESS TO PAY MORE FOR ELECTRICITY IF PRODUCED BY WIND TURBINES

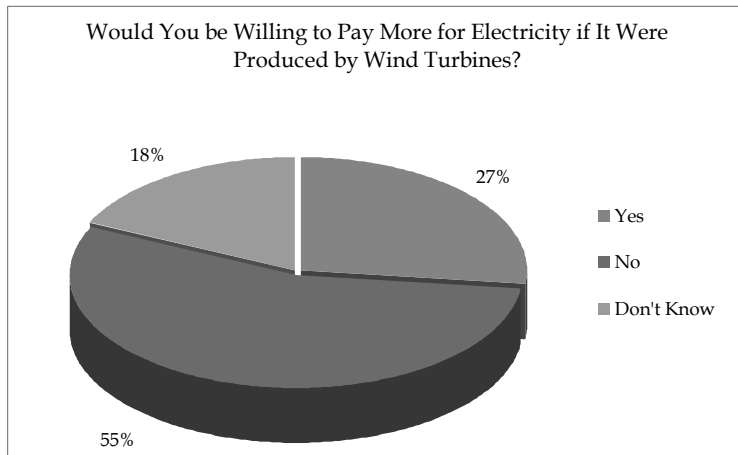
Despite the fact that 75 percent of respondents support or strongly support wind power projects, they are particularly price sensitive to increases in their electric bills as a result of the increased cost to produce offshore wind energy. For example, a majority of respondents (55%) report they would not pay more for electricity if it were produced by wind turbines, while 27 percent report they would pay more for electricity produced by wind turbines and 18 percent do not know (see Table 7 and Figure 7).

Respondents with higher levels of education are more likely to pay more for electricity if produced by wind turbines in comparison to respondents with lower levels of education.

Table 7
Would You Be Willing to Pay More For Electricity if it were Produced by Wind Turbines?

	Number	Percent
Yes	116	27%
No	240	55%
Don't know	78	18%

Figure 7



3.50 AWARENESS OF THE CAPE WIND PROPOSAL AND NEGOTIATIONS TO PURCHASE POWER FROM NATIONAL GRID

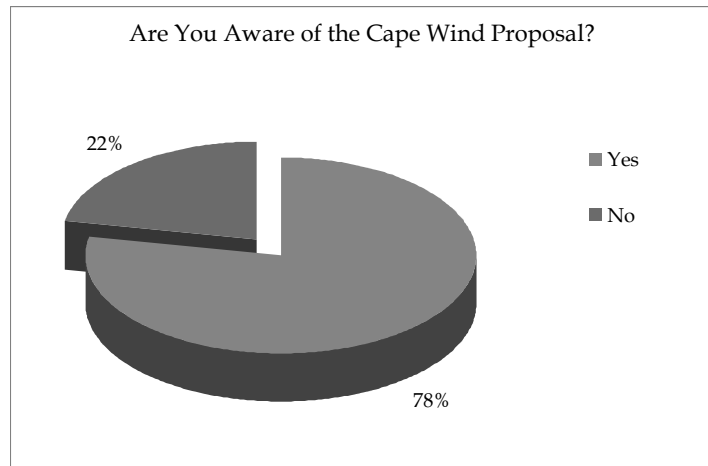
3.51 AWARENESS OF CAPE WIND PROPOSAL

More than three-quarters of respondents (78%) are aware of the Cape Wind proposal to construct an offshore wind power plant on Horseshoe Shoal in Nantucket Sound (see Table 8 and Figure 8). Respondents with higher levels of education, higher incomes and those in higher age cohorts are more likely to be aware of the Cape Wind proposal in comparison to respondents with lower levels of education, lower incomes and who are younger.

Table 8
Are You Aware of the Cape Wind Proposal?

	Number	Percent
Yes	340	78%
No	95	22%

Figure 8



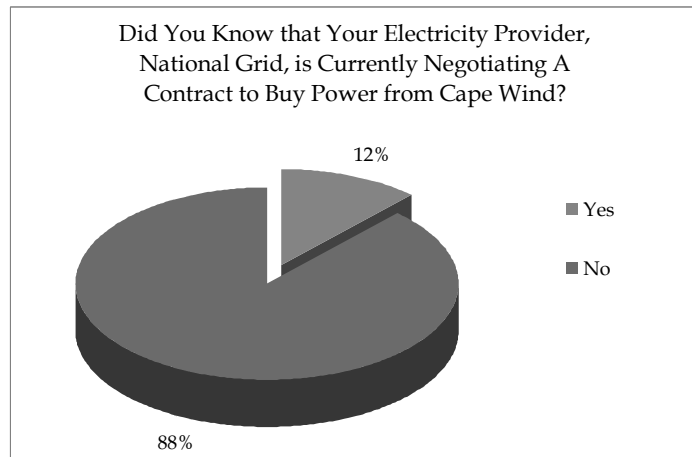
3.52 NATIONAL GRID'S CONTRACT TO BUY POWER FROM CAPE WIND

National Grid is currently negotiating a contract to buy power from Cape Wind. Respondents were asked if they are aware of these negotiations. Eighty-eight percent of respondents (88%) are unaware that National Grid is negotiating a contract to buy power from Cape Wind (see Table 9 and Figure 9).

Table 9
Did You Know that Your Electricity Provider, National Grid, is Currently Negotiating A Contract to Buy Power from Cape Wind?

	Number	Percent
Yes	54	12%
No	382	88%

Figure 9



3.60 LIKELINESS TO SUPPORT THE CAPE WIND PROJECT IF ELECTRIC BILL INCREASES

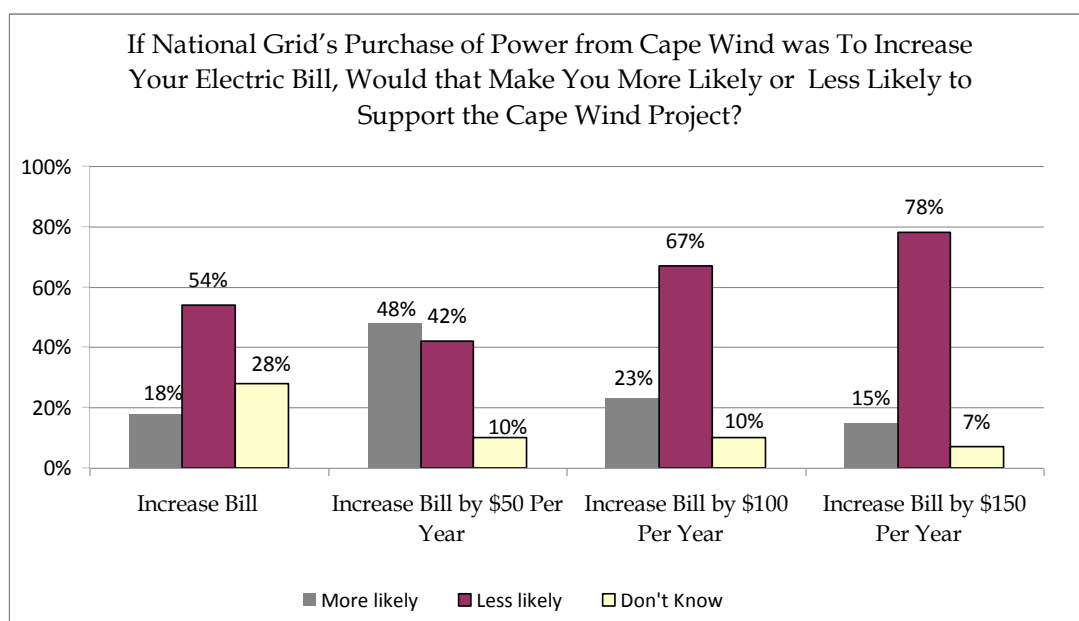
Respondents were asked if they would be more or less likely to support the Cape Wind project if National Grid’s Purchase of power from Cape Wind was to increase their electric bill by no specific amount, increase their bill by \$50 per year, increase their bill by \$100 per year and increase their bill by \$150 per year.

Respondents are price sensitive; the higher the increase in their bill, the less likely they are to support the Cape Wind project. For example, while forty-two (42%) of respondents are less likely to support Cape Wind if their bill increased by \$50 per year, this percentage increases to 67 percent at the \$100 per year threshold and to 78 percent at the \$150 per year threshold (see Table 10 and Figure 10). Respondents with higher incomes and higher levels of education are more amenable to increases in their electric bill than are respondents with lower levels of education and lower levels of income.

Table 10
If National Grid’s Purchase of Power from Cape Wind was to Increase Your Electric Bill, Would that Make You More Likely or Less Likely to Support the Cape Wind Project?

	Increase Bill (No specific Amount)	Increase Bill by \$50 Per Year Month	Increase Bill by \$100 Per Year Month	Increase Bill by \$150 Per
More likely	18%	48%	23%	15%
Less likely	54%	42%	67%	78%
Don’t know	28%	10%	10%	7%

Figure 10



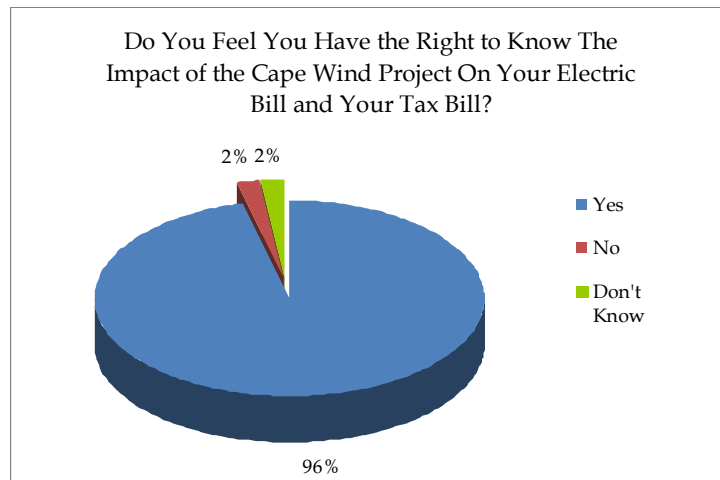
3.70 RIGHT TO KNOW THE IMPACT OF THE CAPE WIND PROJECT ON RESPONDENTS' ELECTRIC AND TAX BILLS

Respondents were asked if they feel they have the right to know the impact of the Cape Wind project on their electric bill and their tax bill. Ninety-six percent of respondents agree that they have a right to know the impact of the Cape Wind Project on their electric and tax bills, while 2 percent do not agree and 2 percent do not know (see Table 11 and Figure 11).

Table 11
Do You Feel You Have the Right to Know the Impact of the Cape Wind Project On Your Electric Bill and Your Tax Bill?

	Number	Percent
Yes	418	96%
No	8	2%
Don't Know	9	2%

Figure 11



3.80 FEDERAL REVIEW OF CAPE WIND

The federal review of Cape Wind concluded that its cost to produce electricity would be significantly higher than current prices. Respondents were asked how likely they would be to support Cape Wind in light of this review.

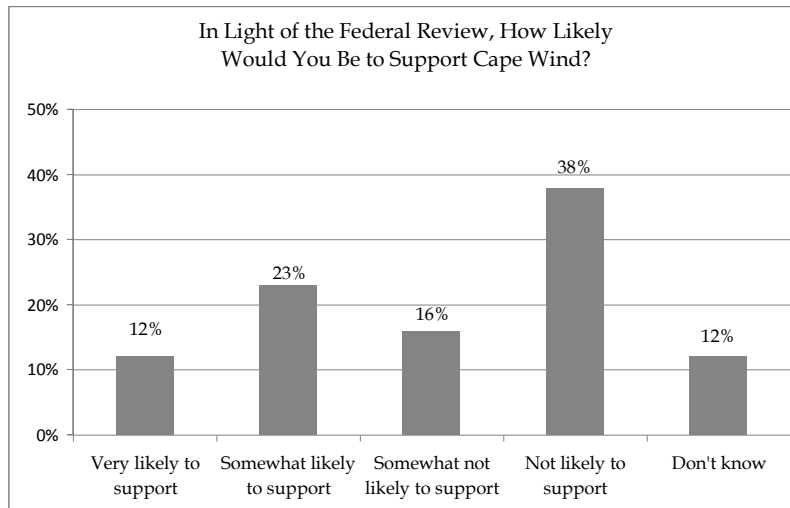
Twelve percent of respondents report they are very likely to support the Cape Wind project in light of the federal review, while 23 percent are somewhat likely to support the project in light of the federal review, 16 percent are somewhat not likely to support the project, thirty-eight percent are not likely to support the project and 12 percent do not know (see Table 12 and Figure 12).

Respondents with higher incomes and higher levels of education are more likely to support Cape Wind in light of the federal review in comparison to respondents with lower levels of education and lower levels of income.

Table 12
In Light of the Federal Review, How Likely
Would You Be to Support Cape Wind?

	Number	Percent
Very likely to support	53	12%
Somewhat likely to support	101	23%
Somewhat not likely to support	67	16%
Not likely to support	163	38%
Don't know	50	12%

Figure 12



3.90 SUPPORT FOR POLITICAL CANDIDATES IN FAVOR OF WIND PROJECTS

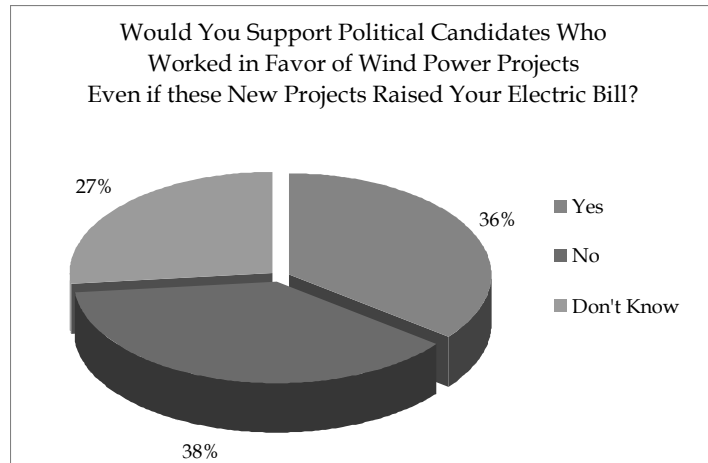
Respondents were asked if they would support political candidates who worked in favor of wind power projects even if these new projects raised their electric bill. Thirty-six percent of respondents (36%) report that they would support political candidates who worked in favor of wind power projects even if these new projects raised their electric bill, while 38 percent would not vote for these candidates and 27 percent do not know (see Table 13 and Figure 13).

Respondents with higher incomes and higher levels of education are more likely to support political candidates who worked in favor of wind power projects even if these new projects raised their electric bill in comparison to respondents with lower levels of education and lower levels of income.

Table 13
Would You Support Political Candidates Who Worked in Favor of Wind Power Projects Even if these New Projects Raised Your Electric Bill?

	Number	Percent
Yes	155	36%
No	164	38%
Don't know	115	27%

Figure 13



APPENDIX A - SURVEY INSTRUMENT

Hi, my name is _____ and I'm calling from UMass Dartmouth. How are you today? We are conducting a survey regarding your feelings about electric rates in the National Grid customer service area. The survey will take only a few minutes and your opinions on this issue are important. Let me assure you that all of your responses will be kept confidential.

- Q1. Do you have a few minutes to complete the survey? <hello>
- 1 YES [SKIP TO Q3]
 - 2 NO [SKIP TO Q2]
- Q2. Your opinions on this issue are very important and we'd like to give you an opportunity to make your opinions heard. Are you sure you do not have just a few minutes to complete the survey? <hello2>
- 1 YES [PROCEED TO Q3]
 - 2 NO [END INTERVIEW – CTRL+END]
- Q3. Thank you. First, is National Grid your electric company?
- 1 YES [SKIP TO Q4]
 - 2 NO [INTERVIEWER READ: SORRY, WE ARE ONLY INTERVIEWING NATIONAL GRID CUSTOMERS. THANK YOU FOR YOUR TIME.] [END SURVEY]
 - 3 DON'T KNOW [INTERVIEWER READ: SORRY, WE ARE ONLY INTERVIEWING NATIONAL GRID CUSTOMERS. THANK YOU FOR YOUR TIME] [END SURVEY]
- Q4. And are you at least 18 years of age? <eight>
- 1 YES [SKIP TO Q6]
 - 2 NO [SKIP TO Q5]
- Q5. Is there someone 18 years of age or older that I can speak to? <EIGHT2>
- 1 YES [SKIP TO INTRO]
 - 2 NO [INTERVIEWER READ: SORRY, BUT WE NEED TO SPEAK TO SOMEONE WHO IS AT LEAST 18 YEARS OF AGE. WE WILL CALL BACK AT ANOTHER TIME] [END INTERVIEW]
- Q6. And are you a registered voter? <voter>
- 1 YES [SKIP TO Q7]
 - 2 NO [SKIP TO Q6A]
- Q6A. Is there a registered voter available that I can speak to?
- 1 YES [SKIP TO INTRO]
 - 2 NO [INTERVIEWER READ: SORRY, WE ARE ONLY INTERVIEWING REGISTERED VOTERS. THANK YOU FOR YOUR TIME] [END INTERVIEW]



- Q7. Do you know the approximate amount you pay monthly for your electricity? <primary>
- 1 YES [SKIP TO Q9]
 - 2 NO [SKIP TO Q8]
 - 3 RESPONDENT IS GENERALLY FAMILIAR WITH AMOUNT THE HOUSEHOLD PAYS MONTHLY [SKIP TO Q9]
 - 8 DON'T KNOW [SKIP TO Q8]
 - 9 REFUSED [INTERVIEWER READ: WE ARE INTERESTED IN INTERVIEWING THE PERSON IN YOUR HOUSEHOLD WHO IS FAMILIAR WITH THE COST OF ELECTRICITY. ARE YOU SURE YOU CAN'T TELL ME WHO THAT PERSON IS?] [IF RESPONDENT REFUSES AGAIN, END INTERVIEW]
- Q8. Can I speak to someone in the household who knows the approximate amount you pay monthly for electricity? <primary2>
- 1 INDIVIDUAL NOT AVAILABLE
[INTERVIEWER READ: SORRY, WE ARE ONLY INTERVIEWING INDIVIDUALS WHO ARE FAMILIAR WITH THE AMOUNT THEY PAY FOR THEIR ELECTRICITY. THANK YOU FOR YOUR TIME] [END INTERVIEW]
 - 2 PRIMARY BILL PAYER AVAILABLE [SKIP TO INTRO]
- Q9. How concerned are you about the cost of electricity? Are you <concerned>
[INTERVIEWER: READ CHOICES]
1. VERY CONCERNED
 2. CONCERNED
 3. NOT VERY CONCERNED
 4. NOT CONCERNED AT ALL
 8. DON'T KNOW
 9. REFUSED
- Q10. How strongly do you support or not support wind turbines as a source of electricity? Do you <wind>
[INTERVIEWER: READ CHOICES]
1. STRONGLY SUPPORT
 2. SUPPORT
 3. SUPPORT A LITTLE
 4. DO NOT SUPPORT
 8. DONT KNOW
 9. REFUSED
- Q11. Do you believe that wind power projects can help fight global warming? <warm>
1. YES
 2. NO
 8. DON'T KNOW
 9. REFUSED



Q12. How much more likely or unlikely are you to vote for a political candidate who supports wind power projects? Are you <like_wnd>

[INTERVIEWER: READ CHOICES]

1. MUCH MORE LIKELY
2. SOMEWHAT MORE LIKELY
3. SOMEWHAT LESS LIKELY
4. LESS LIKELY
8. DON'T KNOW
9. REFUSED

Q13. How much more likely or unlikely are you to vote for a political candidate who endorses policies that cut your electric bill? Are you <like_bil>

[INTERVIEWER: READ CHOICES]

1. MUCH MORE LIKELY
2. SOMEWHAT MORE LIKELY
3. SOMEWHAT LESS LIKELY
4. LESS LIKELY
8. DON'T KNOW
9. REFUSED

Q14. Do you believe that offshore wind power projects will lower your electric bill? <construct>

1. YES
2. NO
8. DON'T KNOW
9. REFUSED

Q15. Do you believe electricity generated by offshore wind costs more than, less than, or the same as electricity generated by existing sources? <cost>

1. MORE THAN
2. LESS THAN
3. THE SAME
8. DON'T KNOW
9. REFUSED

Q16. Would you be willing to pay more for electricity if it were produced by wind turbines? <pay>

1. YES
2. NO
8. DON'T KNOW
9. REFUSED



- Q17. Cape Wind is a proposal to construct 130 wind turbines over a 25 square mile area off the coast of Cape Cod to generate electricity. Are you aware of this proposal? <aware>
1. YES
 2. NO
 8. DON'T KNOW
 9. REFUSED
- Q18. Did you know that your electricity provider, National Grid, is currently negotiating a contract to buy power from Cape Wind? <buy>
1. YES
 2. NO
 8. DON'T KNOW
 9. REFUSED
- Q19. If National Grid's purchase of power from Cape Wind was to increase your electric bill, would that make you more likely or less likely to support the Cape Wind project? <likely>
1. MORE LIKELY
 2. LESS LIKELY
 8. DON'T KNOW
 9. REFUSED
- Q20. If National Grid's purchase of power from Cape Wind was to increase your monthly electric bill from National Grid by \$50 per year, would you be more likely or less likely to support the Cape Wind project? <ten>
1. MORE LIKELY
 2. LESS LIKELY
 8. DON'T KNOW
 9. REFUSED
- Q21. If National Grid's purchase of power from Cape Wind was to increase your monthly electric bill from National Grid by \$100 per year, would you be more likely or less likely to support the Cape Wind project? <t_five>
1. MORE LIKELY
 2. LESS LIKELY
 8. DON'T KNOW
 9. REFUSED
- Q22. If National Grid's purchase of power from Cape Wind was to increase your monthly electric bill from National Grid by \$150 per year, would you be more likely or less likely to support the Cape Wind project? <t_five>
1. MORE LIKELY
 2. LESS LIKELY
 8. DON'T KNOW
 9. REFUSED



Q23. Do you feel you have the right to know the impact of the Cape Wind project on your electric bill and your tax bill?

1. YES
2. NO
8. DON'T KNOW
9. REFUSED

Q24. The federal review of Cape Wind concluded that its cost to produce electricity would be significantly higher than current prices. In light of this review, how likely would you be to support Cape Wind? Would you be:

1. VERY LIKELY TO SUPPORT
2. SOMEWHAT LIKELY TO SUPPORT
3. SOMEWHAT NOT LIKELY TO SUPPORT
4. NOT LIKELY TO SUPPORT
8. DON'T KNOW
9. REFUSED

Q25. Would you support political candidates who worked in favor of wind power projects even if these new projects raised your electric bill? <raise>

1. YES
2. NO
8. DON'T KNOW
9. REFUSED

OK, we are almost finished. I would just like to ask a couple of questions about you so that we have an idea of the type of people we are talking to.

Q26. First, may I ask you your age? _____

Q27. And what is the last grade of school that you completed? <school>

[INTERVIEWER: READ CHOICES]

- 1 LESS THAN HIGH SCHOOL
- 2 HIGH SCHOOL DIPLOMA
- 3 ASSOCIATE'S DEGREE OR TECHNICAL CERTIFICATION
- 4 BACHELOR'S DEGREE
- 5 GRADUATE DEGREE
- 8 DON'T KNOW
- 9 REFUSED



Q28. I am going to read several different income categories. Without telling me your exact income, into which category did your total household income for the past year fall? <income>

[INTERVIEWER: READ CHOICES]

- 1 LESS THAN \$25,000
- 2 \$25,000 TO \$50,000
- 3 \$50,000 TO \$75,000
- 4 \$75,000 TO 100,000
- 5 \$100,000 TO \$150,000
- 6 \$150,000 OR MORE
- 8 DON'T KNOW
- 9 REFUSED

Q29. Sex

1. Male
2. Female



APPENDIX B – DATA TABLES

Poll of National Grid Customers, January 2010

Percentage Totals & Crosstabs

Population: National Grid customers who are registered voters and know the approximate amount

Highlighted cells are statistically significant at the .05 level

All data have been weighted by the sex of respondent

(Note: Percentages may not add to 100% due to rounding)

Q9. How concerned are you about the cost of electricity?

	Total	
	Percent	Number
Very concerned	44%	192
Concerned	38%	166
Not Very Concerned	13%	56
Not Concerned at all	4%	18
Don't know	1%	4

Q10. How strongly do you support or not support wind turbines as a source of electricity?

	Total	
	Percent	Number
Strongly support	42%	181
Support	33%	142
Support a little	10%	44
Do not support	4%	18
Don't Know	12%	52

Q11. Do you believe that wind power projects can help fight global warming?

	Total	
	Percent	Number
Yes	64%	280
No	14%	59
Don't Know	23%	97

Q12. How much more likely or unlikely are you to vote for a political candidate who supports wind power projects?

	Total	
	Percent	Number
Much more likely	26%	113
Somewhat more likely	44%	193
Somewhat less likely	5%	21
Less likely	5%	23
Don't Know	20%	86



Q13. How much more likely or unlikely are you to vote for a political candidate who endorses policies that cut your electric bill?

	Total	
	Percent	Number
Much more likely	43%	188
Somewhat more likely	36%	155
Somewhat less likely	4%	15
Less likely	4%	18
Don't Know	14%	60

Q14. Do you believe that off-shore wind power projects will lower your electric bill?

	Total	
	Percent	Number
Yes	49%	214
No	17%	75
Don't know	34%	146

Q15. Do you believe electricity generated by off-shore wind costs more than, less than, or the same as electricity generated by existing sources?

	Total	
	Percent	Number
More than	11%	48
Less than	40%	172
Same amount	14%	63
Don't know	35%	153

Q16. Would you be willing to pay more for electricity if it were produced by wind turbines?

	Total	
	Percent	Number
Yes	27%	116
No	55%	240
Don't know	18%	78

Q17. Are you aware of the Cape Wind proposal?

	Total	
	Percent	Number
Yes	78%	340
No	22%	95

Q18. Did you know that your electricity provider, National Grid, is currently negotiating a contract to buy power from Cape Wind?

	Total	
	Percent	Number
Yes	12%	54
No	88%	382



Q19. If National Grid's purchase of power from Cape Wind was to increase your electric bill, would that make you more likely or less likely to support the Cape Wind project?

	Total	
	Percent	Number
More likely	18%	80
Less likely	54%	234
Don't know	28%	122

Q20. If National Grid's purchase of power from Cape Wind was to increase your monthly electric bill from National Grid by \$50 per year, would you be more likely or less likely to support the Cape Wind project?

	Total	
	Percent	Number
More likely	48%	209
Less likely	42%	182
Don't know	10%	45

Q21. If National Grid's purchase of power from Cape Wind was to increase your monthly electric bill from National Grid by \$100 per year, would you be more likely or less likely to support the Cape Wind project?

	Total	
	Percent	Number
More likely	23%	98
Less likely	67%	292
Don't know	10%	45

Q22. If National Grid's purchase of power from Cape Wind was to increase your monthly electric bill from National Grid by \$150 per year, would you be more likely or less likely to support the Cape Wind project?

	Total	
	Percent	Number
More likely	15%	63
Less likely	78%	340
Don't know	7%	32

Q23. Do you feel you have the right to know the impact of the Cape Wind project on your electric bill and your tax bill?

	Total	
	Percent	Number
Yes	96%	418
No	2%	8
Don't know	2%	9



Q24. In light of the federal review, how likely would you be to support Cape Wind?

	Total	
	Percent	Number
Very likely to support	12%	53
Somewhat likely to support	23%	101
Somewhat not likely to support	16%	67
Not likely to support	38%	163
Don't know	12%	50

Q25. Would you support political candidates who worked in favor of wind power projects even if these new projects raised your electric bill?

	Total	
	Percent	Number
Yes	36%	155
No	38%	164
Don't know	27%	115



Crosstabs

Poll of National Grid Customers, January 2010
Percentage Totals & Crosstabs

Population: National Grid customers who are registered voters and know the approximate amount they pay monthly for electricity
 Highlighted cells are statistically significant at the .05 level
 All data have been weighted by the sex of respondent
 (Note: Percentages may not add to 100% due to rounding)

Q9. How concerned are you about the cost of electricity?

	Crosstabulations											
	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K-	>75K
Very concerned	45%	44%	47%	53%	36%	24%	51%	42%	43%	27%	47%	41%
Concerned	36%	40%	36%	34%	43%	44%	42%	41%	34%	49%	35%	41%
Not Very Concerned	15%	11%	10%	9%	17%	24%	6%	10%	18%	14%	13%	15%
Not Concerned at all	4%	4%	5%	4%	4%	8%	1%	6%	4%	7%	4%	4%
Don't know	0%	2%	2%	0%	1%	0%	0%	1%	2%	3%	0%	1%

Q10. How strongly do you support or not support wind turbines as a source of electricity?

	Crosstabulations											
	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K-	>75K
Strongly support	41%	42%	33%	43%	47%	35%	49%	43%	40%	30%	44%	45%
Support	31%	34%	32%	30%	37%	31%	30%	39%	28%	28%	33%	36%
Support a little	11%	9%	11%	16%	5%	8%	13%	9%	10%	7%	13%	9%
Do not support	5%	3%	3%	2%	7%	8%	2%	3%	5%	10%	3%	4%
Don't Know	11%	12%	21%	10%	5%	19%	6%	6%	18%	25%	8%	8%

Q11. Do you believe that wind power projects can help fight global warming?

	Crosstabulations											
	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K-	>75K
Yes	63%	65%	60%	64%	69%	73%	67%	71%	57%	58%	66%	71%
No	17%	10%	14%	13%	13%	12%	16%	12%	12%	14%	9%	17%
Don't Know	20%	24%	26%	23%	19%	15%	16%	17%	31%	29%	26%	13%

Q12. How much more likely or unlikely are you to vote for a political candidate who supports wind power projects?

	Crosstabulations											
	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K-	>75K
Much more likely	31%	22%	22%	24%	30%	46%	21%	25%	27%	15%	29%	31%
Somewhat more likely	40%	48%	43%	51%	42%	35%	46%	51%	40%	38%	48%	45%
Somewhat less likely	4%	5%	4%	7%	4%	0%	4%	4%	6%	3%	3%	5%
Less likely	8%	3%	6%	3%	6%	4%	6%	4%	5%	10%	4%	7%
Don't Know	18%	21%	26%	16%	17%	15%	24%	15%	22%	33%	16%	13%

Q13. How much more likely or unlikely are you to vote for a political candidate who endorses policies that cut your electric bill?

	Crosstabulations											
	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K-	>75K
Much more likely	45%	41%	42%	51%	39%	46%	48%	39%	44%	37%	47%	40%
Somewhat more likely	35%	37%	34%	33%	40%	15%	33%	44%	32%	35%	36%	36%
Somewhat less likely	2%	5%	3%	1%	5%	12%	4%	3%	3%	5%	5%	2%
Less likely	5%	3%	5%	4%	3%	12%	2%	4%	4%	0%	2%	7%
Don't Know	13%	14%	16%	11%	14%	15%	14%	11%	16%	23%	10%	15%



Poll of National Grid Customers: January, 2010

Q14. Do you believe that off-shore wind power projects will lower your electric bill?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$75K	>75K
Yes	45%	54%	50%	49%	49%	39%	47%	55%	46%	37%	54%	47%
No	21%	13%	9%	20%	22%	15%	18%	19%	15%	15%	16%	21%
Don't know	34%	33%	41%	31%	29%	46%	35%	26%	40%	48%	30%	32%

Q15. Do you believe electricity generated by off-shore wind costs more than, less than, or the same as electricity generated by existing sources?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$75K	>75K
More than	13%	9%	4%	11%	16%	12%	17%	12%	8%	9%	13%	9%
Less than	38%	40%	46%	41%	34%	54%	28%	41%	43%	34%	41%	42%
Same amount	14%	15%	14%	14%	14%	8%	17%	14%	14%	19%	16%	13%
Don't know	35%	36%	36%	33%	36%	27%	39%	33%	35%	39%	31%	36%

Q16. Would you be willing to pay more for electricity if it were produced by wind turbines?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$75K	>75K
Yes	28%	26%	21%	22%	34%	27%	29%	29%	22%	24%	29%	32%
No	58%	53%	62%	59%	47%	65%	52%	49%	61%	63%	49%	50%
Don't know	15%	21%	17%	19%	19%	8%	19%	22%	17%	14%	22%	18%

Q17. Are you aware of the Cape Wind proposal?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$75K	>75K
Yes	80%	76%	66%	80%	87%	44%	78%	84%	79%	53%	79%	89%
No	20%	24%	34%	20%	13%	56%	22%	16%	21%	47%	21%	11%

Q18. Did you know that your electricity provider, National Grid, is currently negotiating a contract to buy power from Cape Wind?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$75K	>75K
Yes	11%	13%	8%	15%	14%	23%	13%	10%	12%	5%	11%	17%
No	89%	87%	92%	85%	86%	77%	87%	90%	88%	95%	89%	83%

Q19. If National Grid's purchase of power from Cape Wind was to increase your electric bill, would that make you more likely or less likely to support the Cape Wind project?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$75K	>75K
More likely	20%	16%	13%	20%	22%	27%	20%	17%	20%	14%	19%	23%
Less likely	53%	54%	65%	53%	45%	42%	47%	53%	59%	66%	53%	44%
Don't know	27%	29%	22%	27%	33%	31%	33%	30%	21%	20%	28%	33%

Q20. If National Grid's purchase of power from Cape Wind was to increase your monthly electric bill from National Grid by \$50 per year, would you be more likely or less likely to support the Cape Wind project?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$75K	>75K
More likely	49%	47%	39%	50%	54%	46%	49%	54%	44%	27%	52%	59%
Less likely	43%	40%	51%	40%	36%	42%	40%	35%	48%	63%	38%	33%
Don't know	8%	12%	10%	11%	10%	12%	11%	11%	8%	10%	10%	8%



Poll of National Grid Customers: January, 2010

Q21. If National Grid's purchase of power from Cape Wind was to increase your monthly electric bill from National Grid by \$100 per year, would you be more likely or less likely to support the Cape Wind project?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K- \$75K	>75K
More likely	25%	20%	13%	23%	30%	19%	25%	29%	18%	7%	19%	37%
Less likely	64%	70%	73%	74%	60%	81%	67%	61%	71%	86%	69%	55%
Don't know	11%	10%	14%	4%	10%	0%	8%	11%	12%	7%	12%	8%

Q22. If National Grid's purchase of power from Cape Wind was to increase your monthly electric bill from National Grid by \$150 per year, would you be more likely or less likely to support the Cape Wind project?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K- \$75K	>75K
More likely	17%	12%	11%	10%	19%	8%	15%	18%	12%	5%	13%	22%
Less likely	76%	80%	80%	88%	72%	92%	79%	74%	80%	90%	81%	71%
Don't know	7%	8%	9%	3%	9%	0%	6%	8%	8%	5%	6%	7%

Q23. Do you feel you have the right to know the impact of the Cape Wind project on your electric bill and your tax bill?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K- \$75K	>75K
Yes	96%	96%	94%	98%	96%	96%	99%	96%	95%	92%	98%	96%
No	1%	2%	1%	1%	3%	0%	0%	3%	2%	3%	1%	3%
Don't know	2%	2%	4%	1%	1%	4%	1%	1%	3%	5%	1%	1%

Q24. In light of the federal review, how likely would you be to support Cape Wind?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K- \$75K	>75K
Very likely to support	17%	8%	7%	11%	17%	8%	13%	16%	10%	7%	11%	19%
Somewhat likely to support	21%	25%	18%	28%	26%	31%	19%	26%	22%	14%	27%	28%
Somewhat not likely to support	16%	15%	14%	15%	17%	12%	17%	17%	14%	10%	17%	13%
Not likely to support	35%	40%	48%	41%	28%	39%	42%	29%	42%	57%	35%	30%
Don't know	11%	12%	14%	6%	13%	12%	9%	12%	12%	12%	10%	10%

Q25. Would you support political candidates who worked in favor of wind power projects even if these new projects raised your electric bill?

	Sex		Education			Age				Income		
	Male	Female	<=H.S.	Tech.	Bach+	18-34	35-49	50-64	65+	<\$25K	\$25K- \$75K	>75K
Yes	39%	32%	28%	33%	44%	39%	35%	40%	32%	20%	38%	45%
No	37%	38%	46%	34%	33%	39%	44%	34%	38%	59%	32%	33%
Don't know	23%	30%	26%	33%	23%	23%	21%	26%	30%	20%	31%	22%



