

# Public Survey Results

## Background:

A Public Survey was conducted in August 2007.

A total of 917 surveys were sent in stamped, return addressed envelopes.

Respondents were in four groups.

(1) Random Sampling - A random sample of 500 voters were chosen using the Town Registrar's list of registered voters. 500 residents were chosen.

(2) Middle School Abutters - A one mile circle was drawn around the Middle School. 212 Residents within that circle were sent a survey.

(3) High School Abutters - a one mile circle was drawn around the High School. 205 Residents within that circle were sent a survey.

(4) Voluntary Submissions - Copies of the surveys were placed at selected locations around town (e.g. Clement's Market, Library, Town Hall). Also, a copy of the survey was posted on the PortsmouthRIenergy.com web site for people to download and mail in. (58 were received)

## Returns

### Return rate and statistical confidence.

#### Respondents

358 total respondents

58 voluntary

137 responded to the random mailing for a return rate of 27%

72 responded from the High School Group for a return rate of 35%

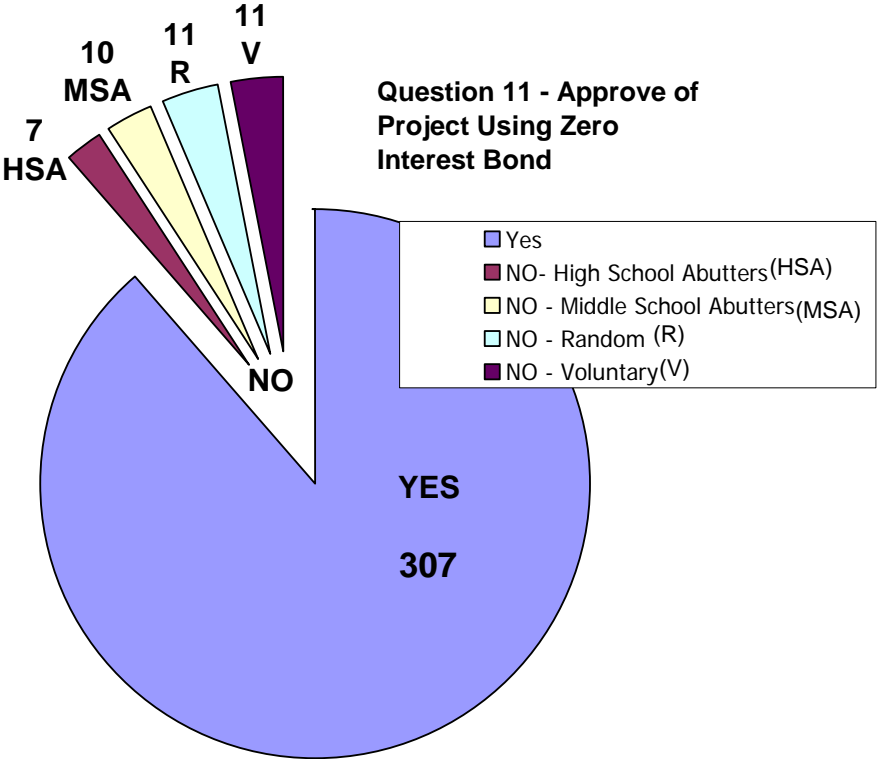
91 responded from the Middle School Group for a return rate of 43%

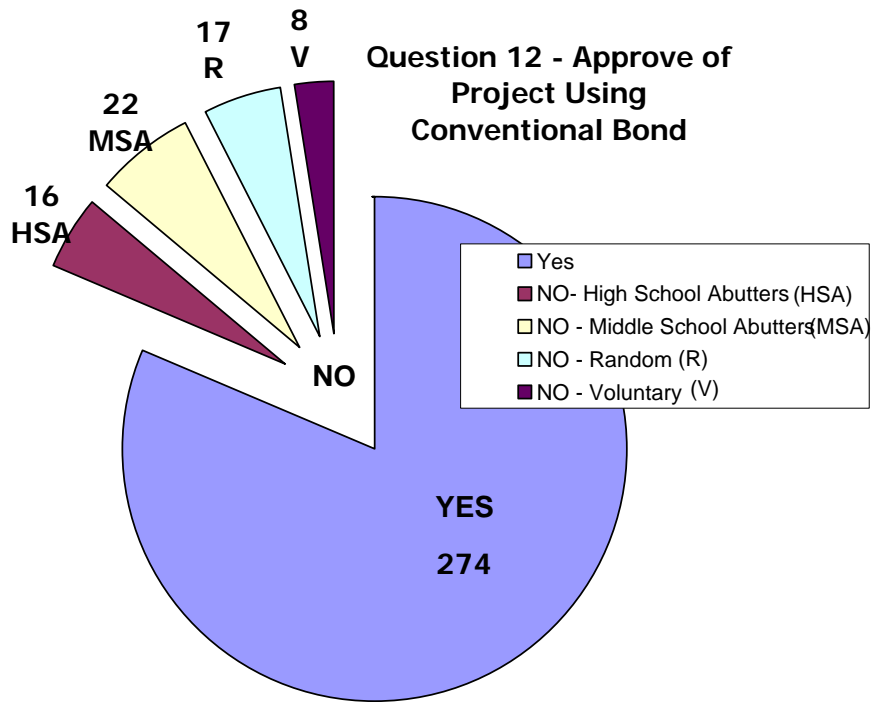
**Return Rate** percentage was 37%. (35% High School Vicinity, 43% Middle School vicinity, 27% Random).

**Statistical Confidence.** The overall number of respondents provides for a Confidence Level (CL) 95% and a Confidence Interval (CI) of +/- 5% for the population of Portsmouth voters. (Middle School Vicinity CL- 95%, CI +/- 7.5% and High School Vicinity CL - 95%, CI +/- 9%)

Total Mailed	Total Mailed	Total Responded	Percent Responded	Confidence Level (CL)	Confidence Interval (CI)
Middle School	212	91	43%	95%	+/- 7.5%
High School	205	72	35%	95%	+/- 9%
Random	500	137	27%	90%	+/- 5%
Voluntary	Na	58	100%	na	na
Total Respondents	917	358	37%	95%	+/- 5%

For the main questions of the voter approval for funding the wind turbine project were in questions 11 and 12 that asked if they would approve funding the turbine project with zero interest bonds or conventional bonds, respectively. The following summarizes those results.

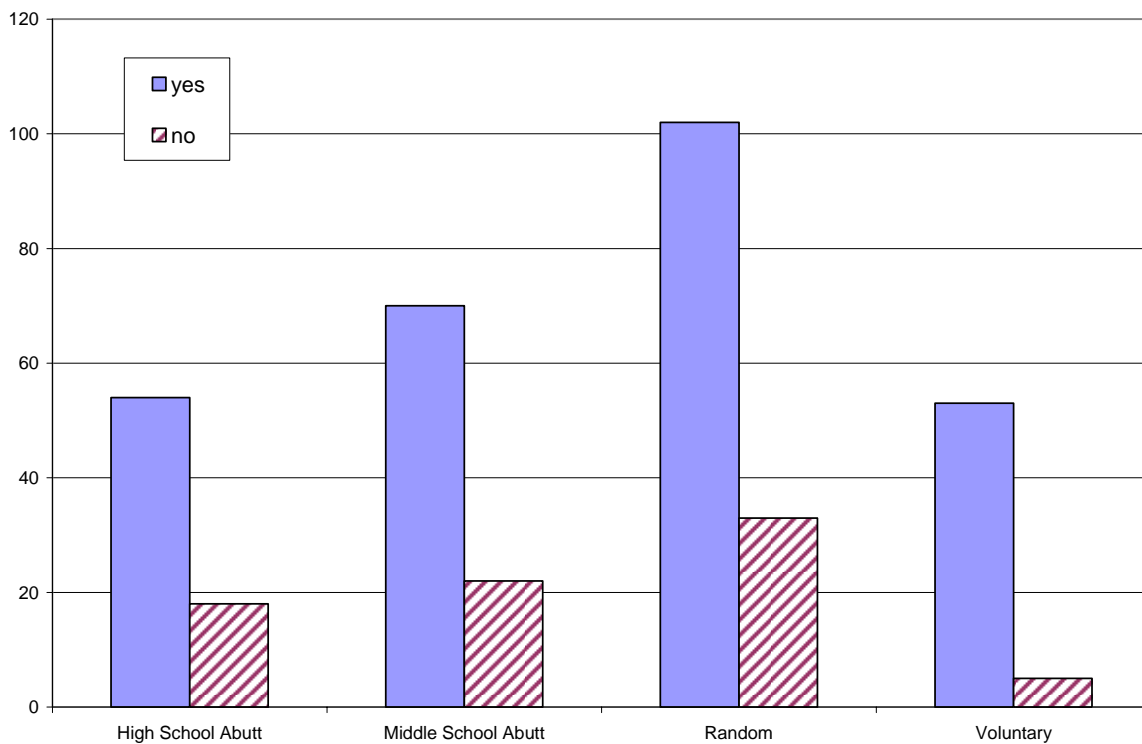




The response to each survey question is provided below. Actual numbers are in the accompanying data sheet. The data indicates NUMBERS OF RESPONDENTS unless other wise noted.

1. Have you seen a modern wind turbine up close? (i.e., within several hundred feet (like from the Portsmouth Abbey parking lot)) \_\_yes (go to question 2), \_\_no (go to question 4)

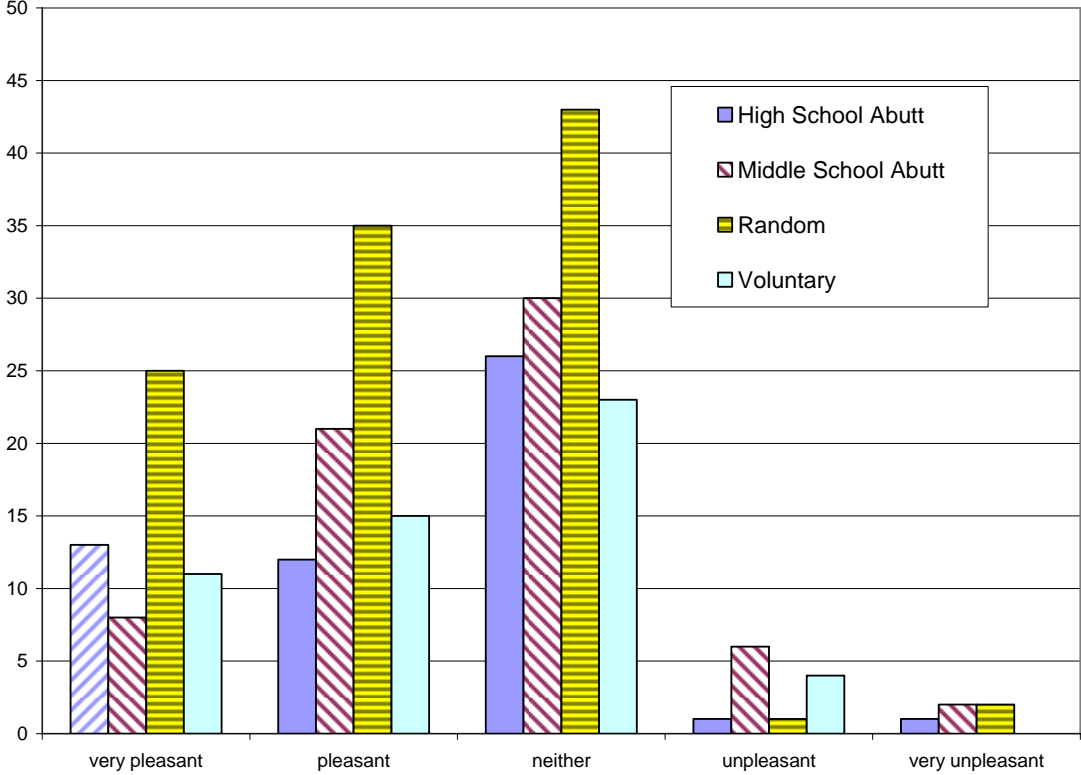
**Question 1 - Have you seen a turbine close up?**



Questions 2 and 3 were directed at those respondents who had seen a turbine close up.

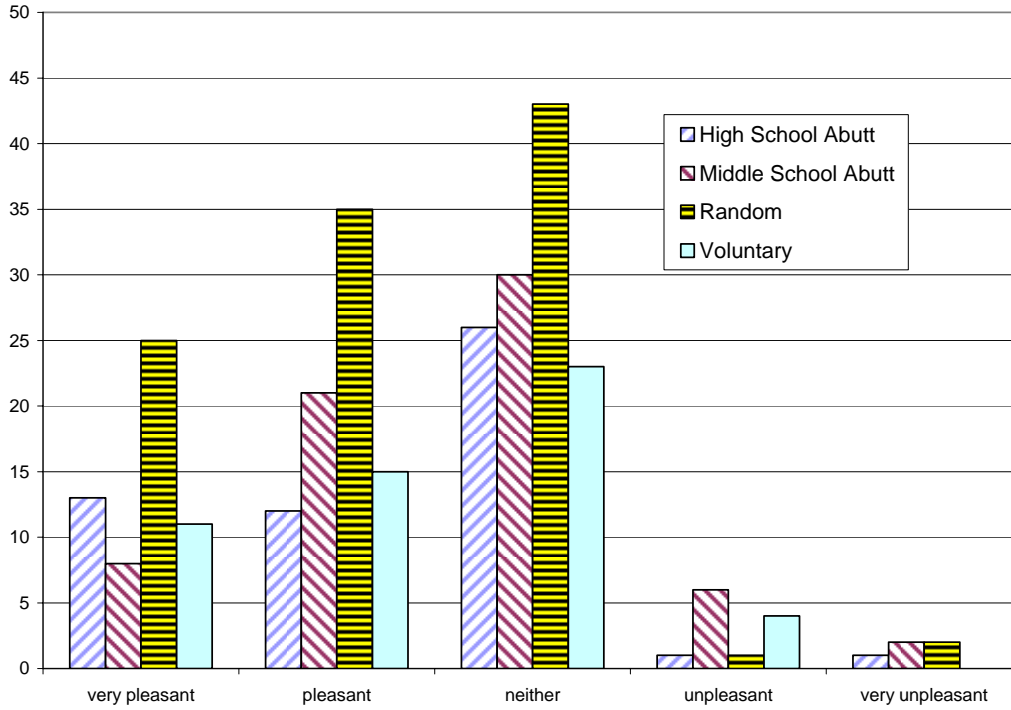
2. The sound of the turbine was:  
\_\_very pleasant, \_\_pleasant, \_\_neither pleasant nor unpleasant, \_\_unpleasant, \_\_very unpleasant

**Question 2 - For those who have seen a turbine up close - how was the sound?**



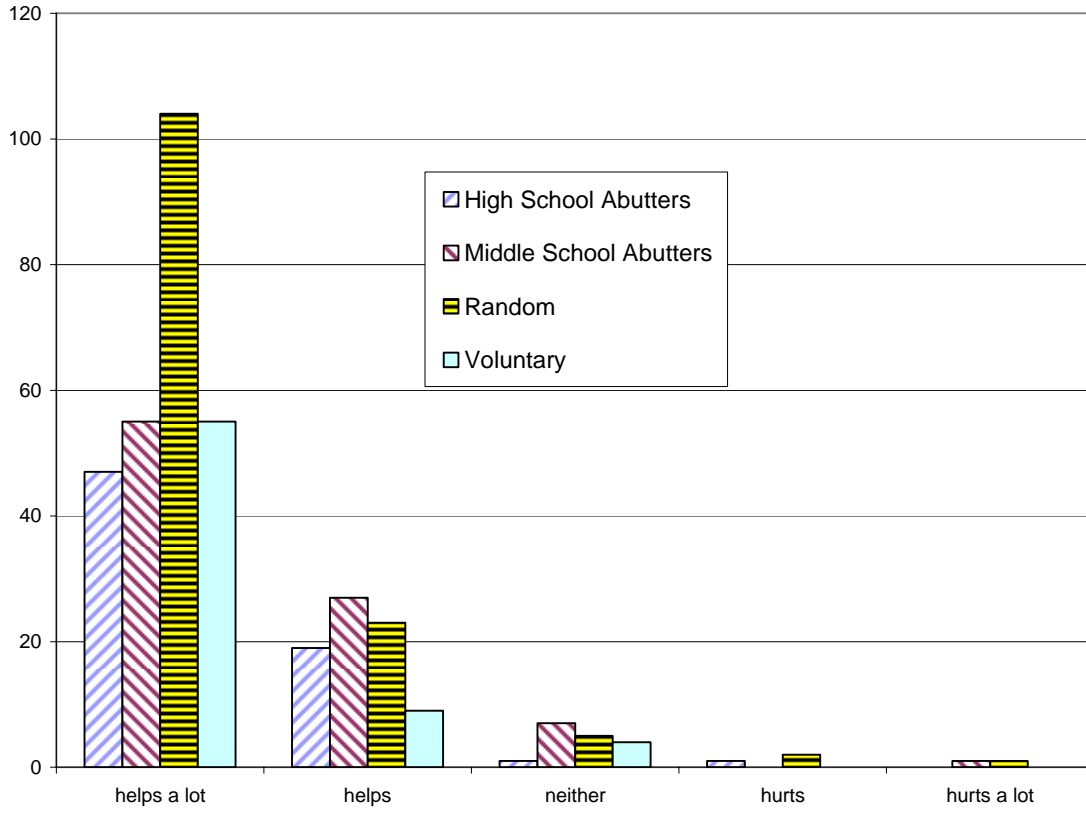
3. The visual appearance of the turbine was:  
\_\_very beautiful, \_\_beautiful, \_\_neither beautiful nor ugly, \_\_ugly, \_\_very ugly

**Question 3 - (For respondents that have seen a turbine up close) what was the visual appearance?**



4. What is your opinion of wind power as something that helps the environment?  
\_\_ helps a lot, \_\_ helps, \_\_ neither helps nor hurts, \_\_ hurts, \_\_ hurts a lot

**Question 4 - How much does wind power help the environment?**

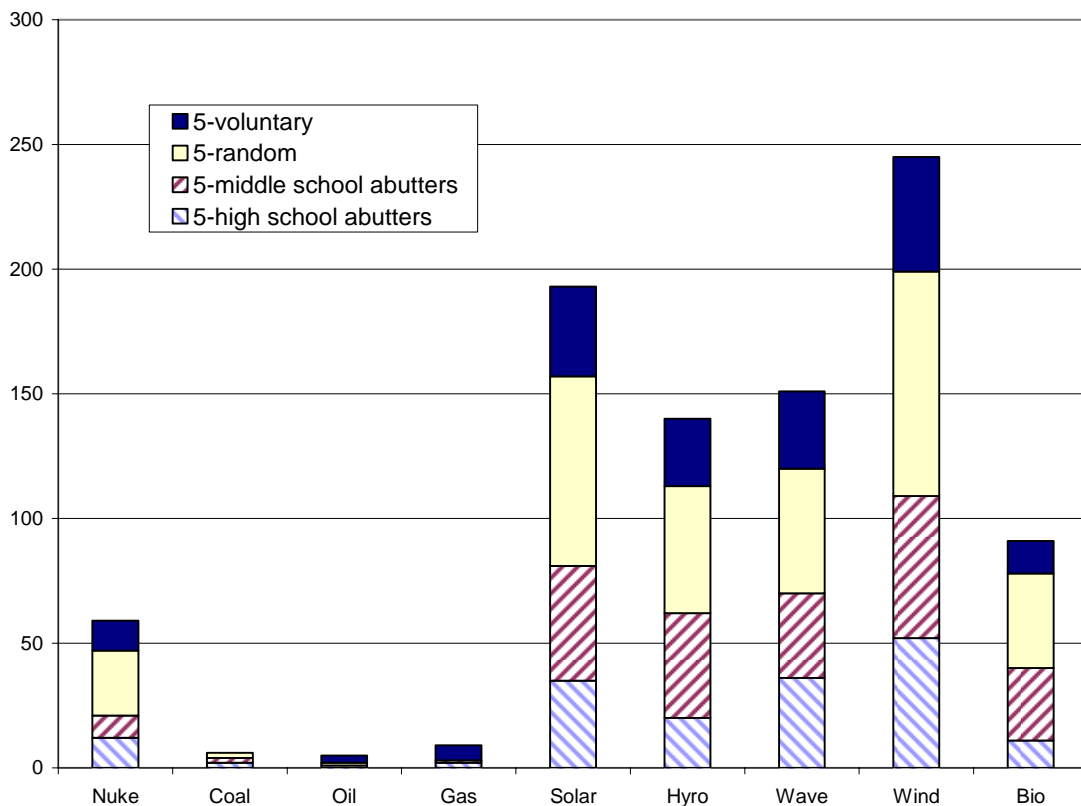


5. Rate the following types of energy as being a good investment for the COUNTRY for future energy needs.  
 (5-very good investment, 4-good investment, 3-neither good nor bad, 2-bad investment, 1-very bad investment, 0-don't know)

\_\_ Nuclear Power, \_\_ Coal Power, \_\_ Oil-Fired Plants, \_\_ Gas-Fired Plants, \_\_ Solar Power, \_\_ Hydro Power, \_\_ Wave/Tidal Current Power, \_\_ Wind Power, \_\_ Biomass (plant material or animal waste used as fuel)

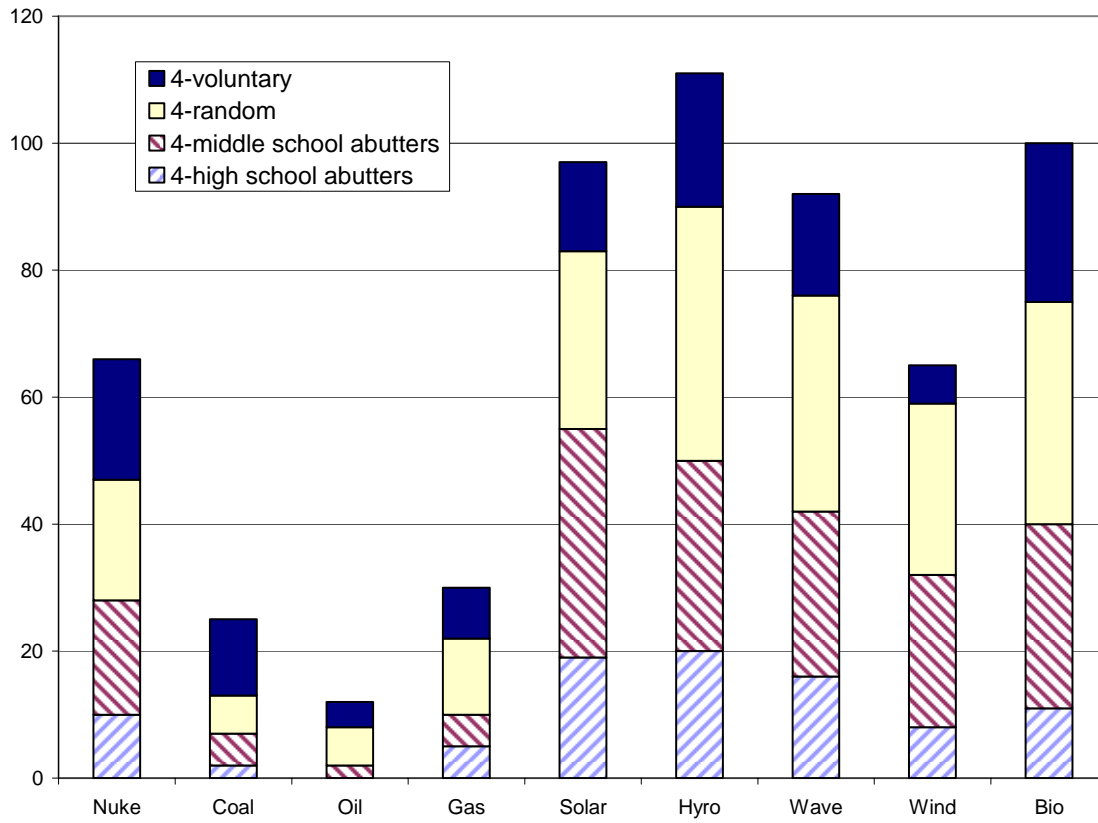
5- Very good investment.

Question 5 - Types of Energy as a Very Good Investment (5) for the COUNTRY



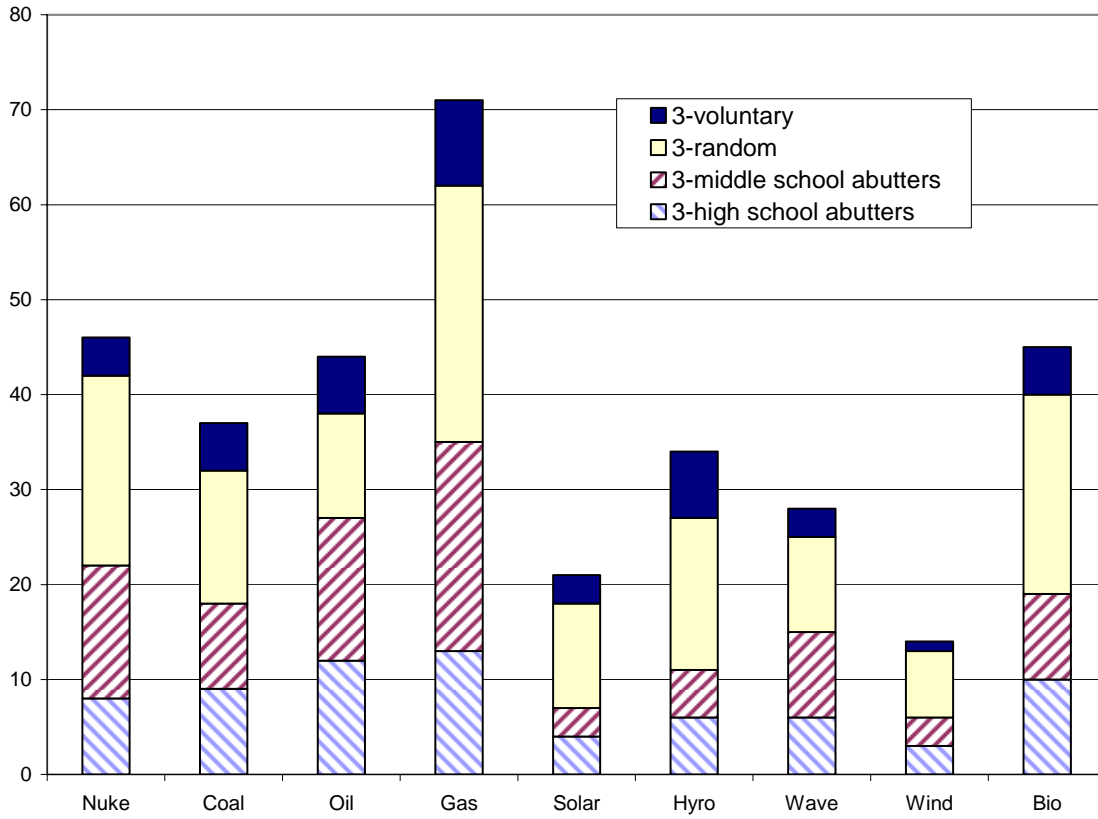
4 - Good investment

Question 5 - Types of Energy as a Good Investment (4) for the COUNTRY



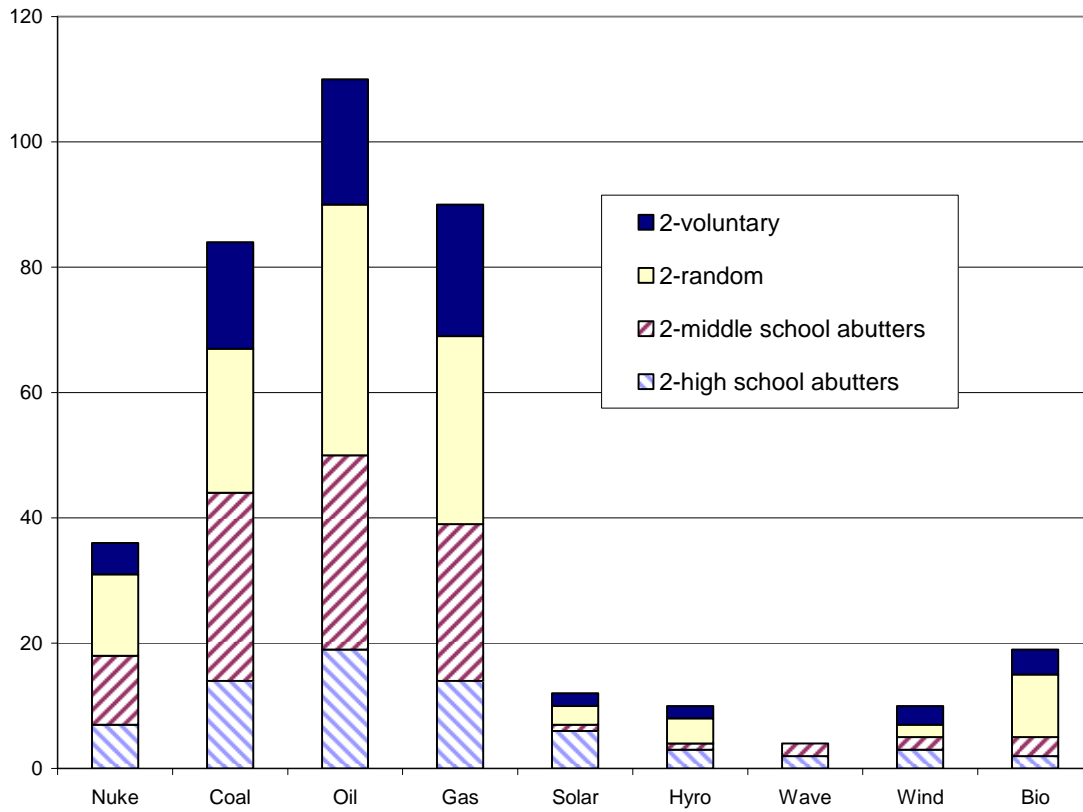
3. Neither good nor bad.

Question 5 - Types of Energy as Neither Good nor Bad (3) for the COUNTRY



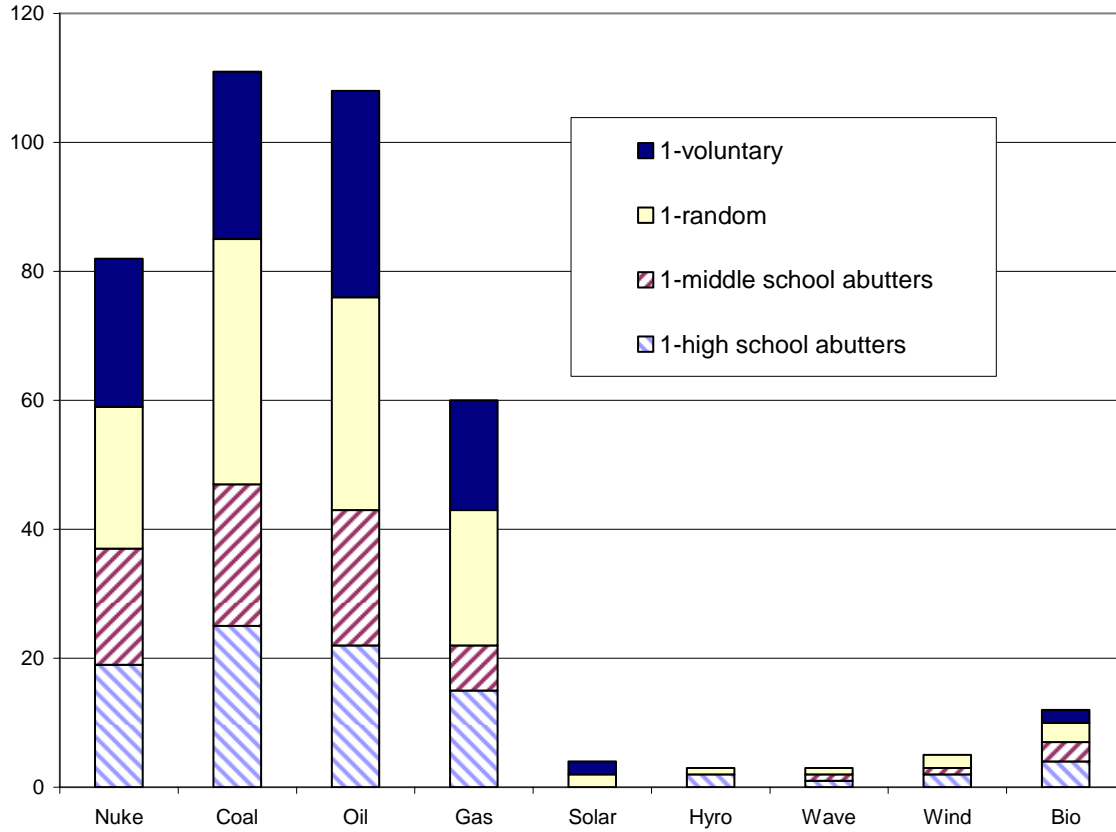
## 2. Bad Investment

Question 5 - Types of Energy as a Bad Investment (2) for the COUNTRY



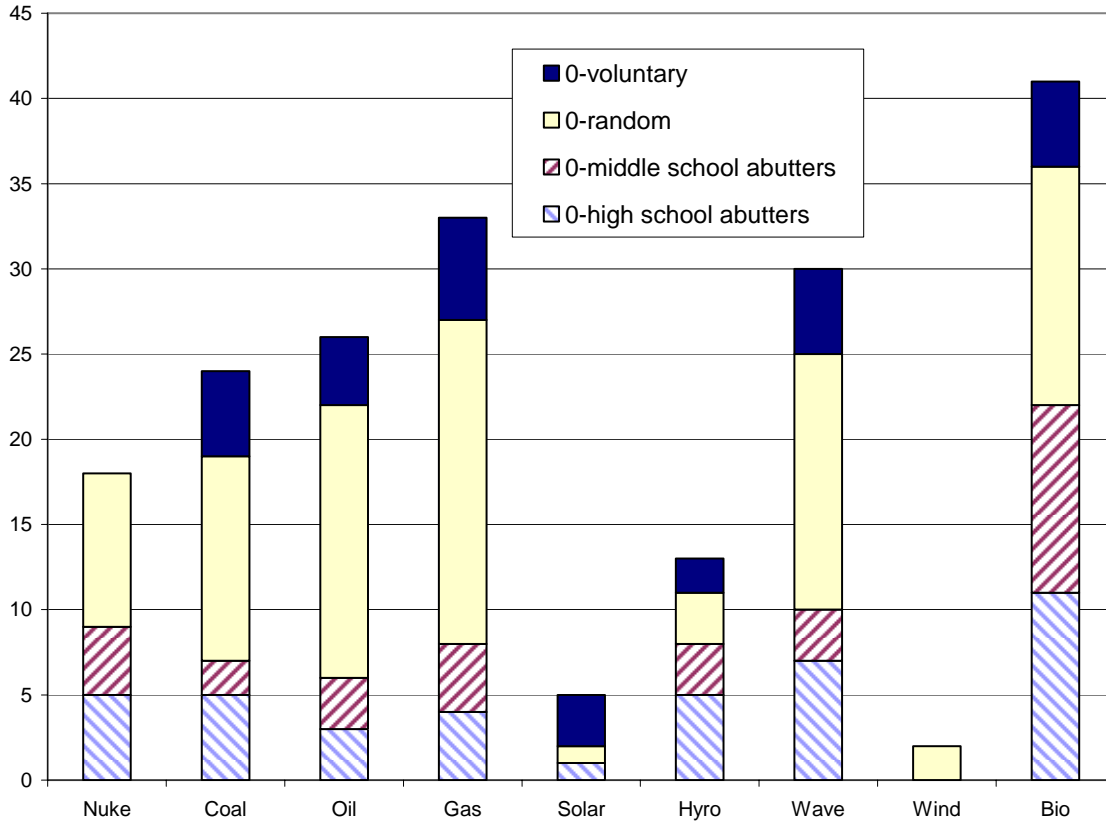
# 1- Very Bad Investment

## Question 5 - Types of Energy as a Very Bad Investment (1) for the COUNTRY



0- Don't Know

Question 5 - Don't Know (0) Concerning Types of Energy as an Investment for the COUNTRY



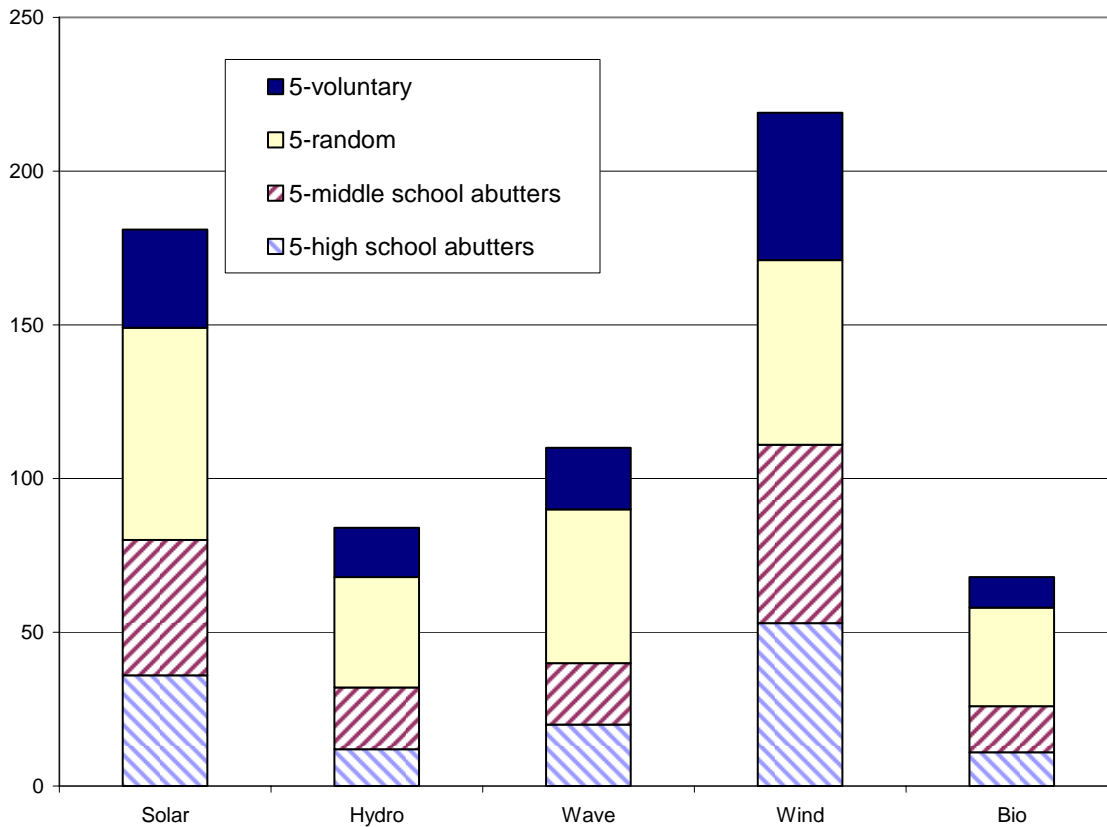
6. Rate the following types of energy as being a good potential investment for the TOWN for future energy needs.

(5-very good investment, 4-good investment, 3-neither good nor bad, 2-bad investment, 1-very bad investment, 0-don't know)

\_\_\_ Solar Power, \_\_\_ Hydro Power, \_\_\_ Wave/Tidal current Power, \_\_\_ Wind Power, \_\_\_ Biomass

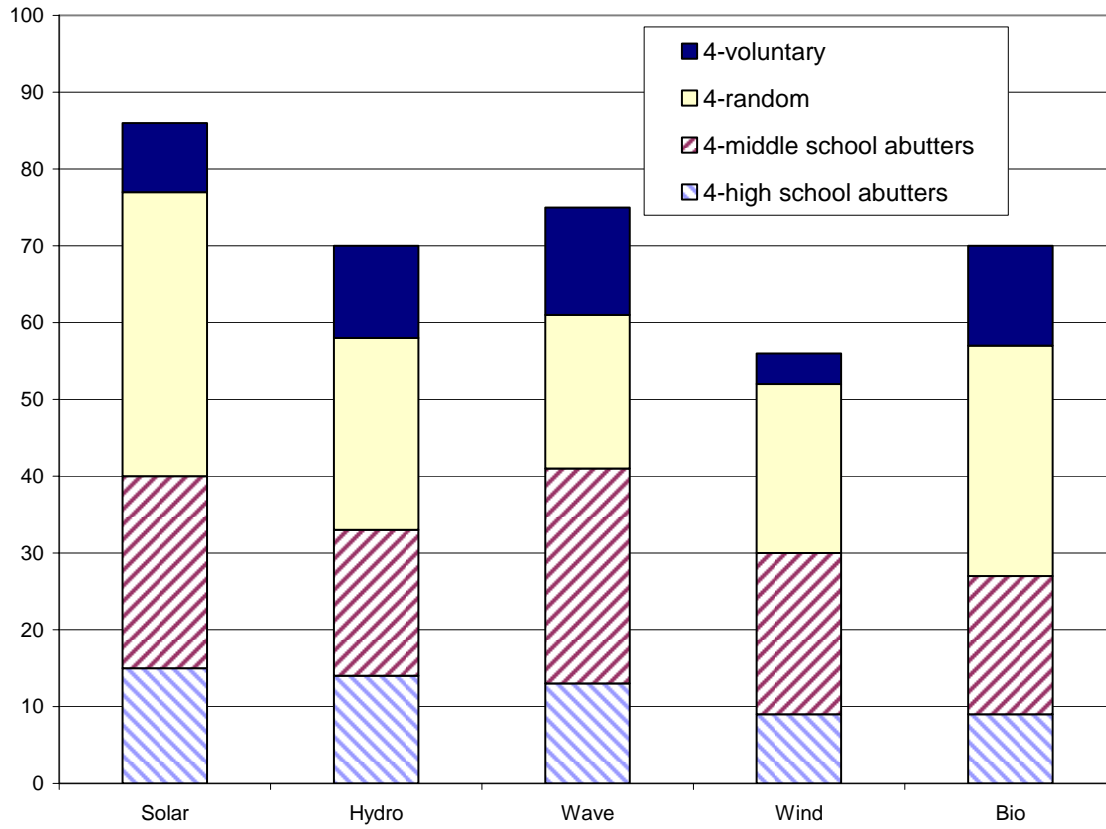
5 - Very Good Investment

**Question 6 - Types of Energy as a Very Good Investment (5) for the TOWN**



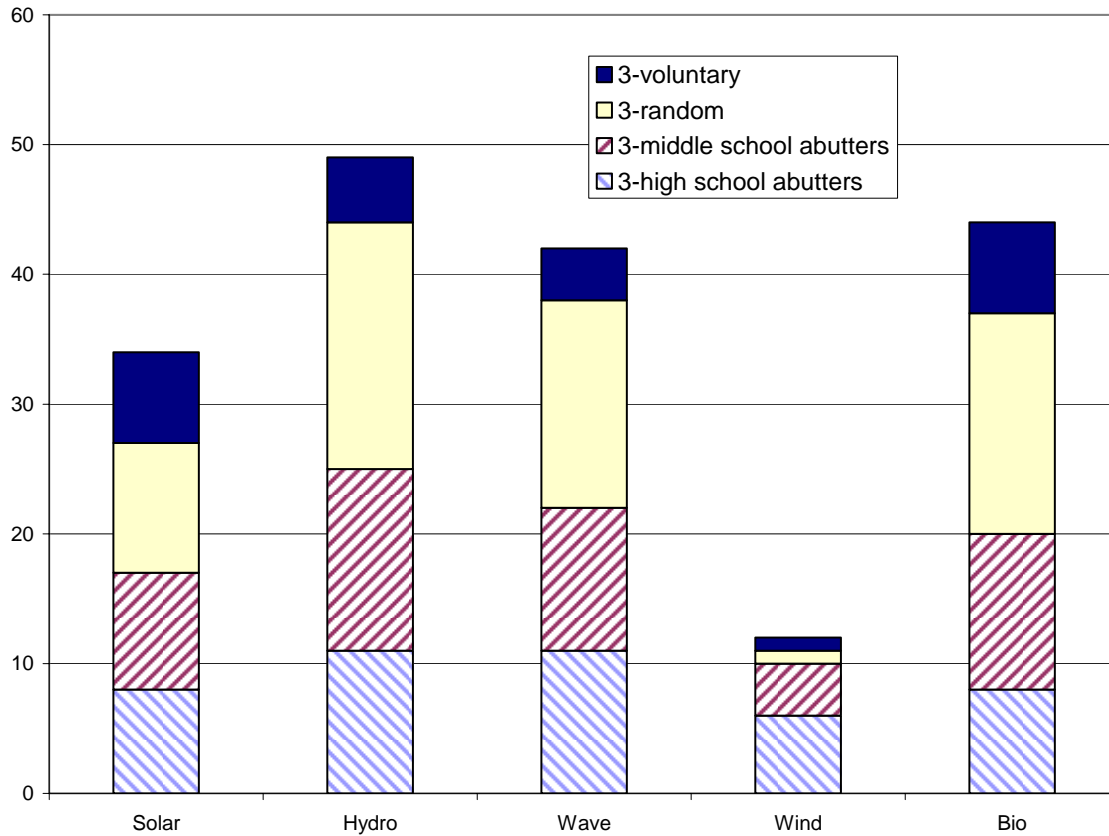
## 4- Good Investment

Question 6 - Types of Energy as a Good Investment (4) for the TOWN



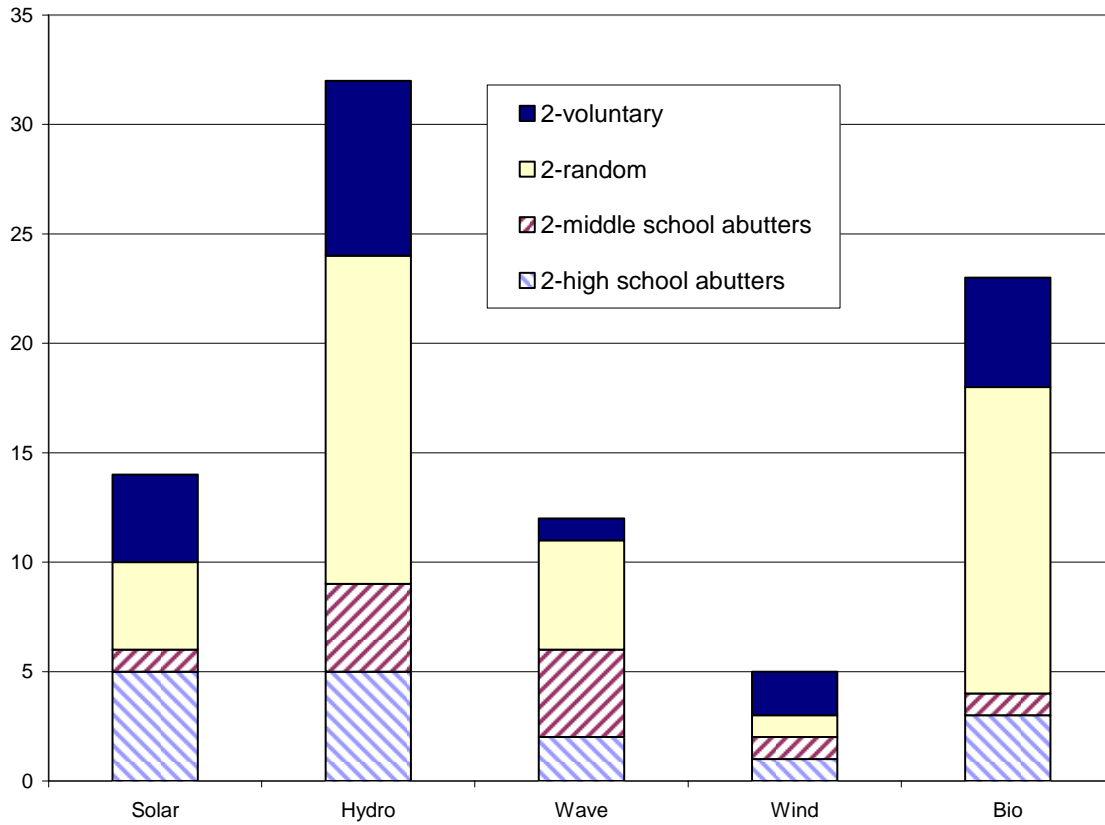
### 3 - Neither Good nor Bad

Question 6 - Types of Energy Neither Good nor Bad (3) for the TOWN



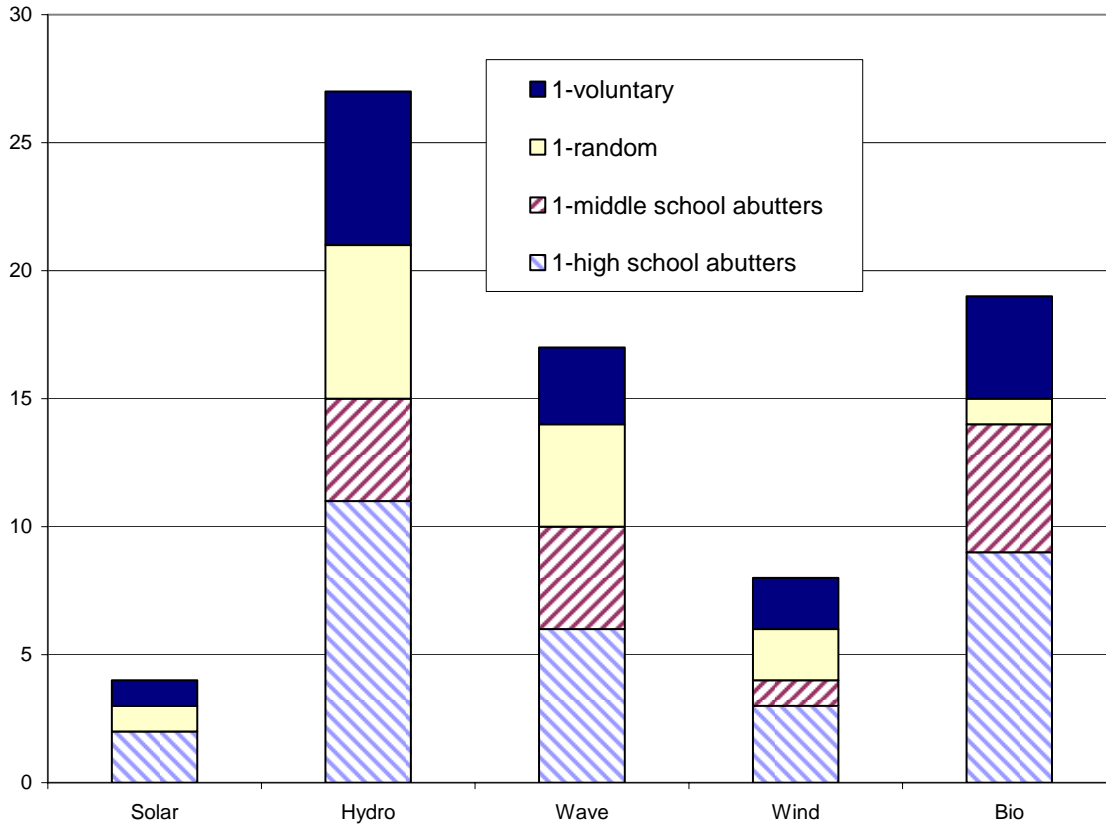
## 2- Bad Investment

Question 6 - Types of Energy as a Bad Investment (2) for the TOWN



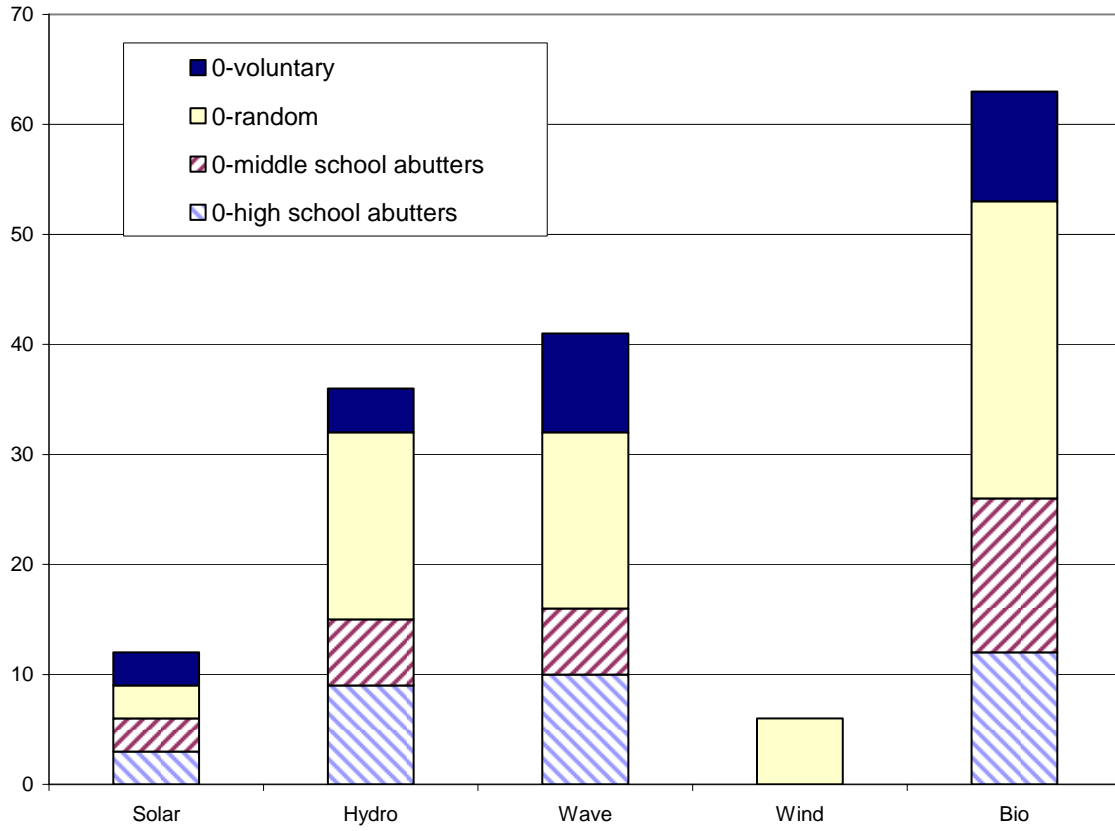
# 1 Very Bad Investment

## Question 6 - Types of Energy as a Very Bad Investment (1) for the TOWN



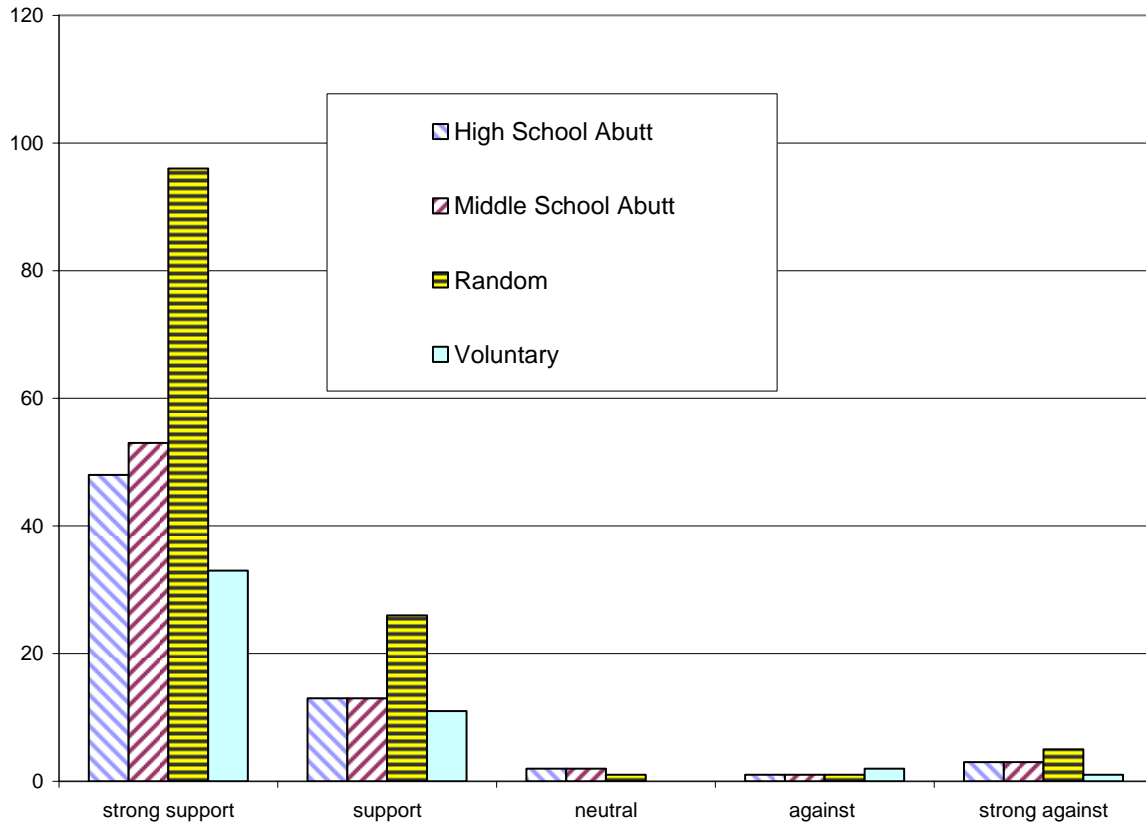
0 - Don't Know

Question 6 - Don't Know (0) as to Types of Energy Investment for the TOWN



**7. Do you generally support the Town pursuing wind power?  
 \_\_I strongly support, \_\_I support, \_\_I am neutral, \_\_I am against, \_\_I am strongly against**

**Question 7 - Do you Generally Support the Town Pursuing Wind Power?**

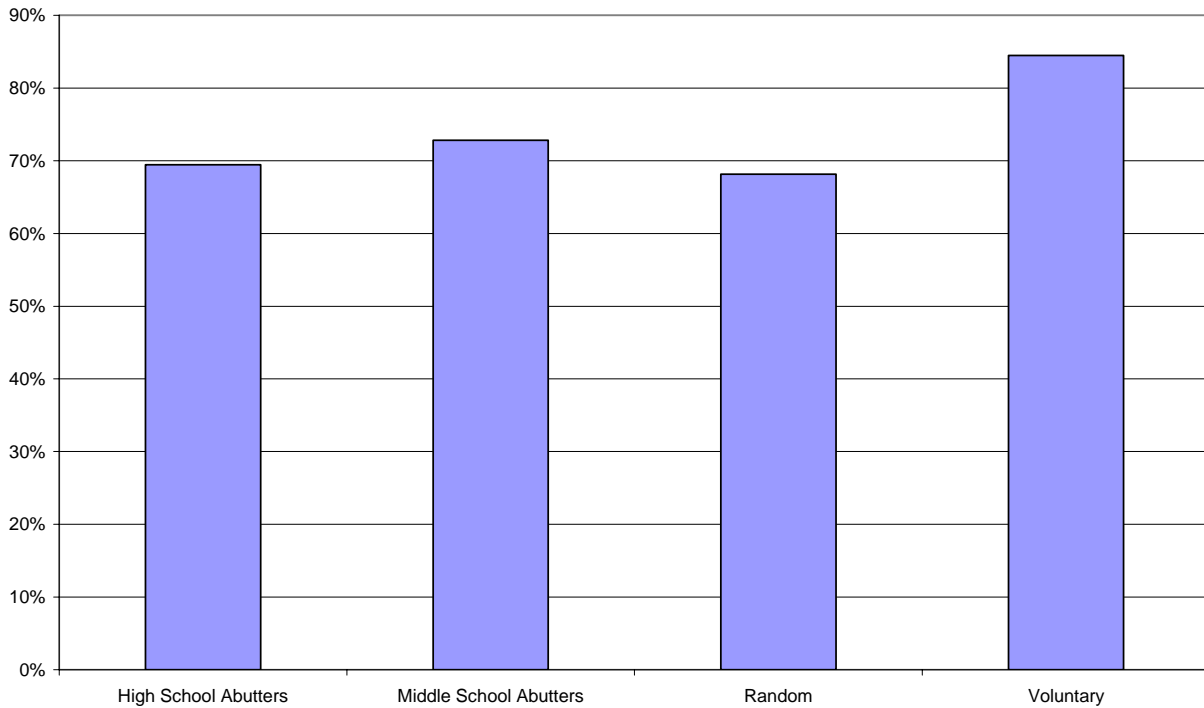


8. Do you support or oppose the construction of a wind turbine at the following locations?  
(5-strongly support, 4-support, 3-neutral, 2-oppose, 1-strongly oppose)

\_\_\_ Middle School, \_\_\_ High School, \_\_\_ Melville Tank Farms.  
\_\_\_ Turkey Hill (behind transfer station on Highpoint Avenue)

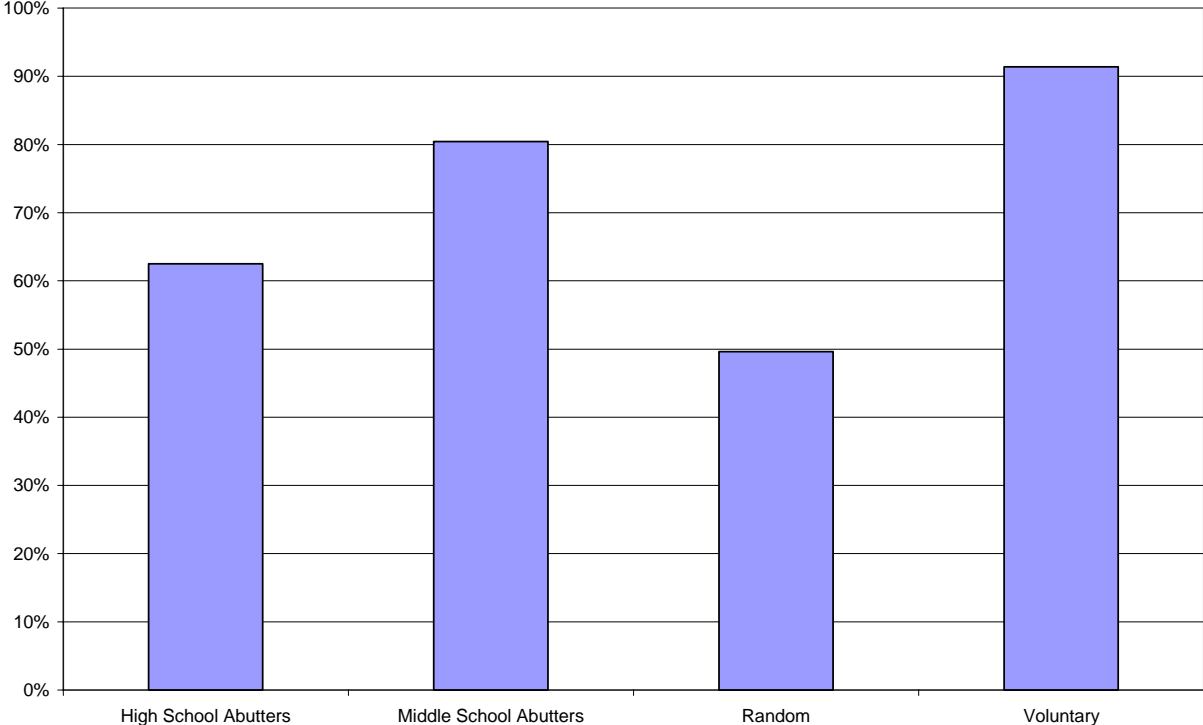
Percent of Those Survey Groups Showing Strong or Very Strong Support (Middle School Site)

Question 8 - Percent of Each Survey Group Showing Strong or Very Strong Support (5 or 4) for Middle School Site



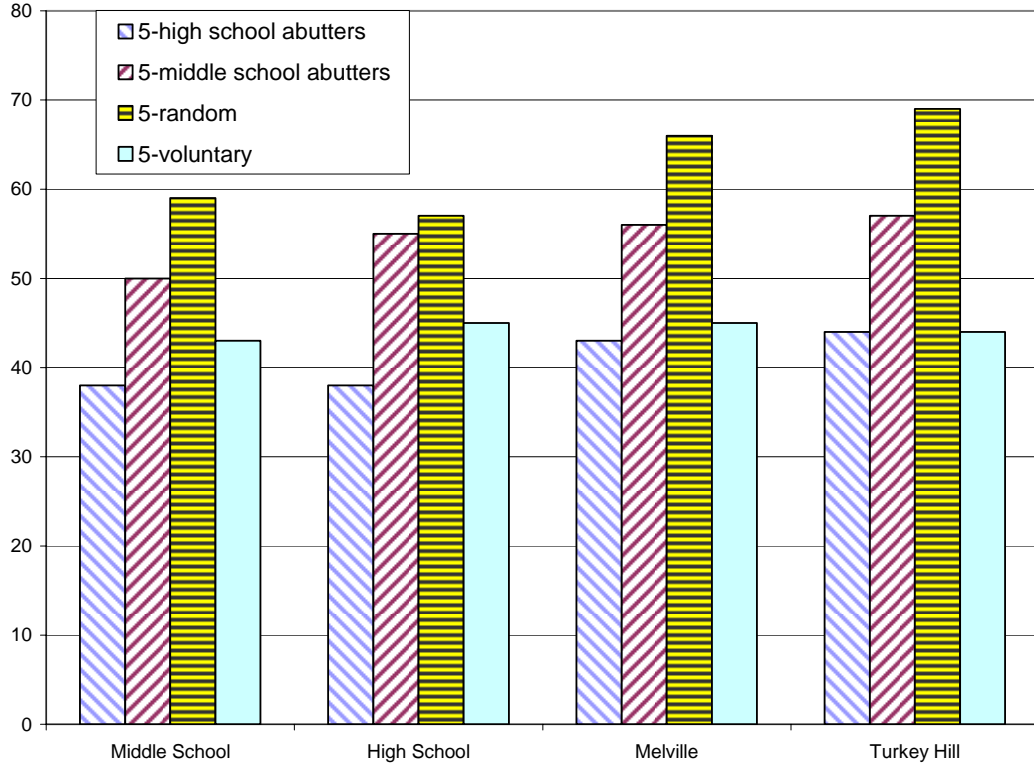
# Percent of Those Survey Groups Showing Strong or Very Strong Support (High School Site)

Question 8 - Those Showing Strong or Very Strong Support (5 or 4) for the High School Site

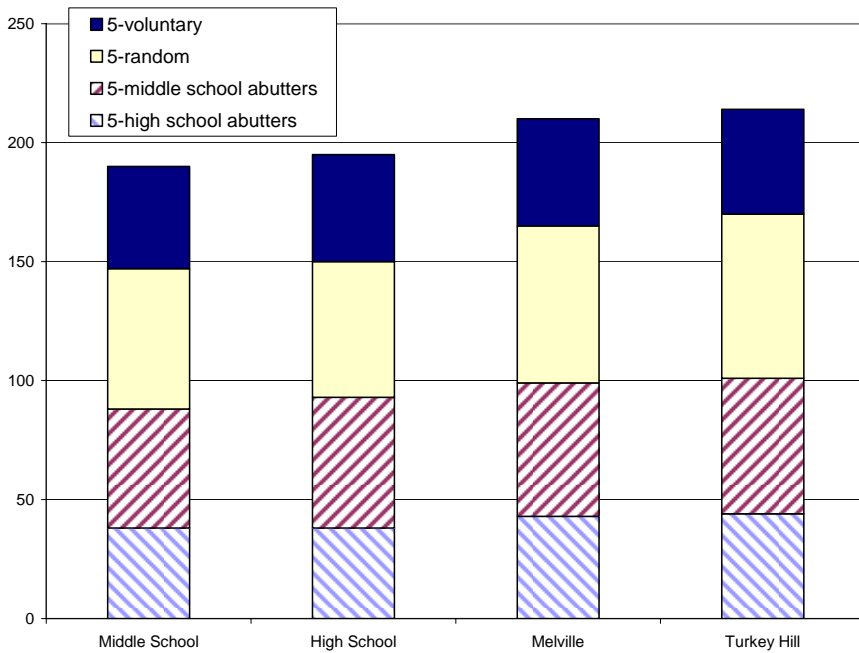


## 5- Strongly Support

**Question 8 - Strongly Support (5) for Construction of a Wind Turbine at the following Locations.**

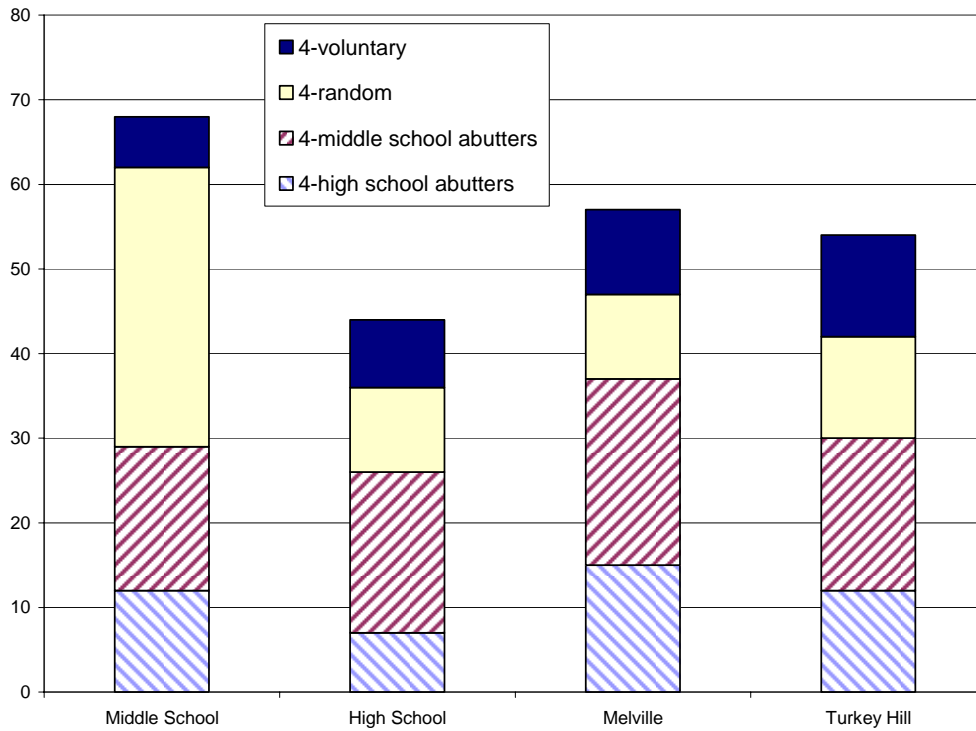


**Question 8 - Strongly Support Construction of A Wind Turbine at the Following Locations.**

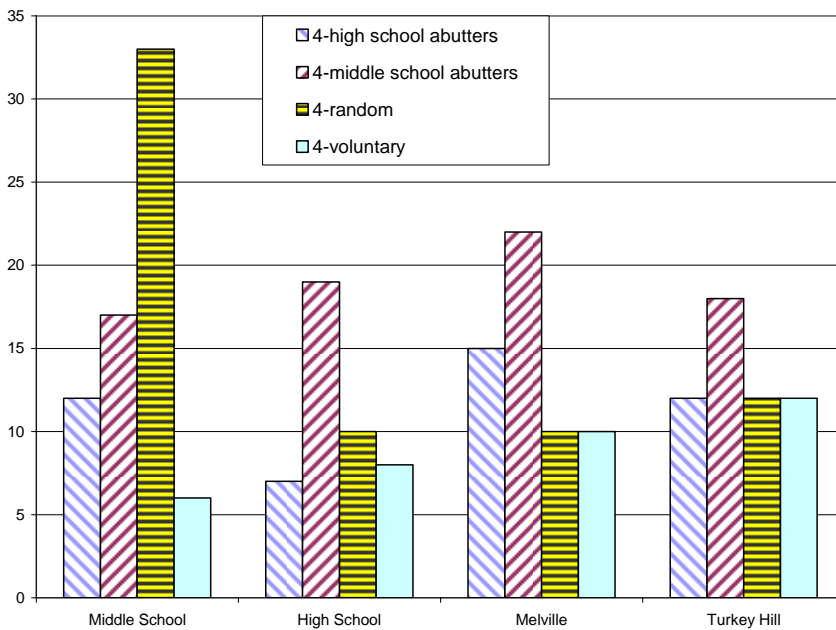


# 4- Support

**Question 8 - Support Construction of a Wind Turbine at the Following Locations**

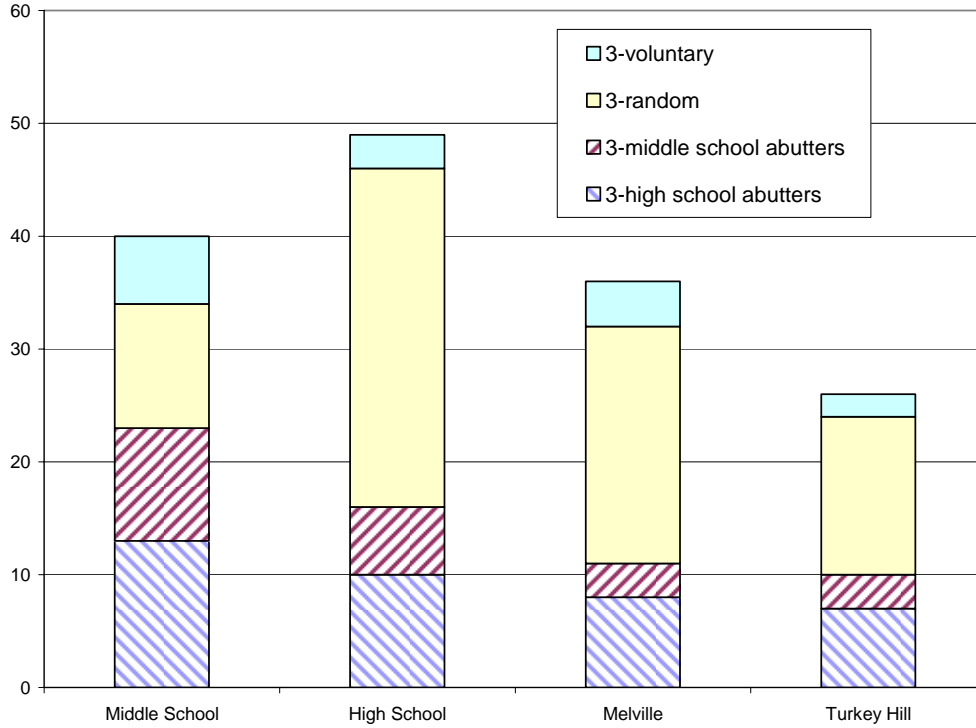


**Question 8 - Support (4) Construction of a Wind Turbine at the Following Locations.**

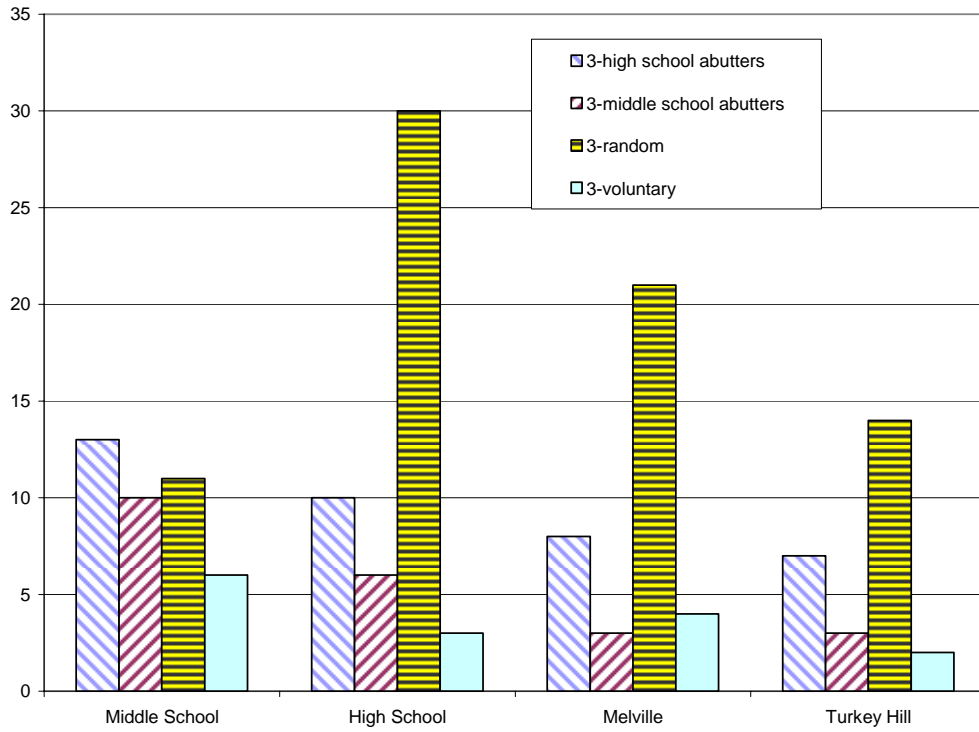


### 3 - Neutral

**Question 8 - Neither Support nor Against (3) Constructing Turbines at the Following Locations**

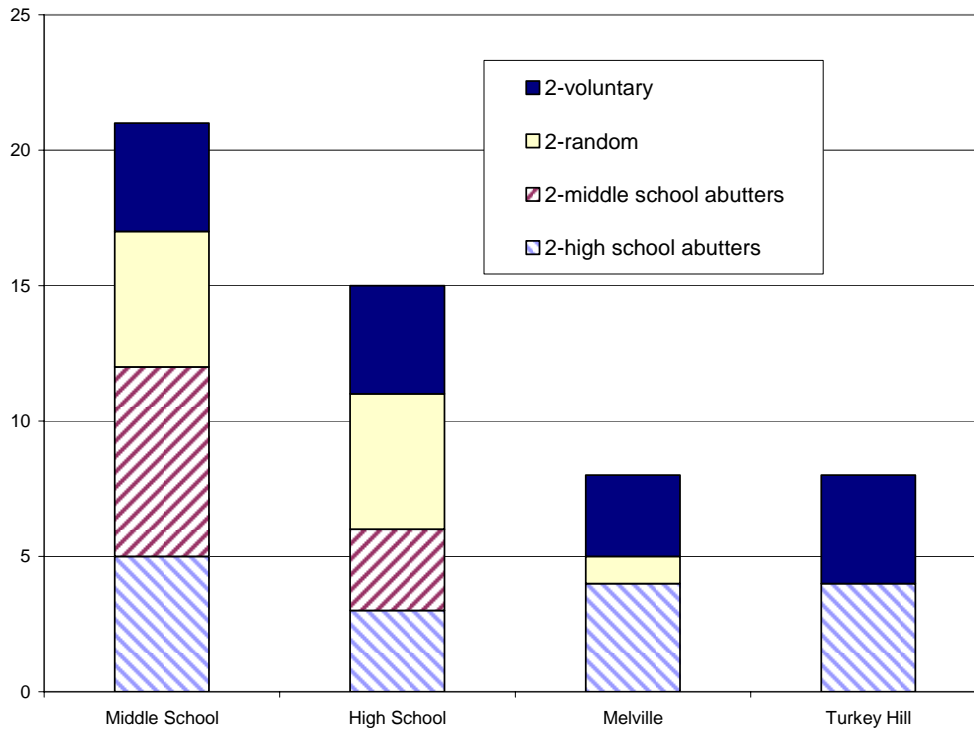


**Question 8 - Neither for nor Against (3) Constructing Wind Turbines at the Following Locations**

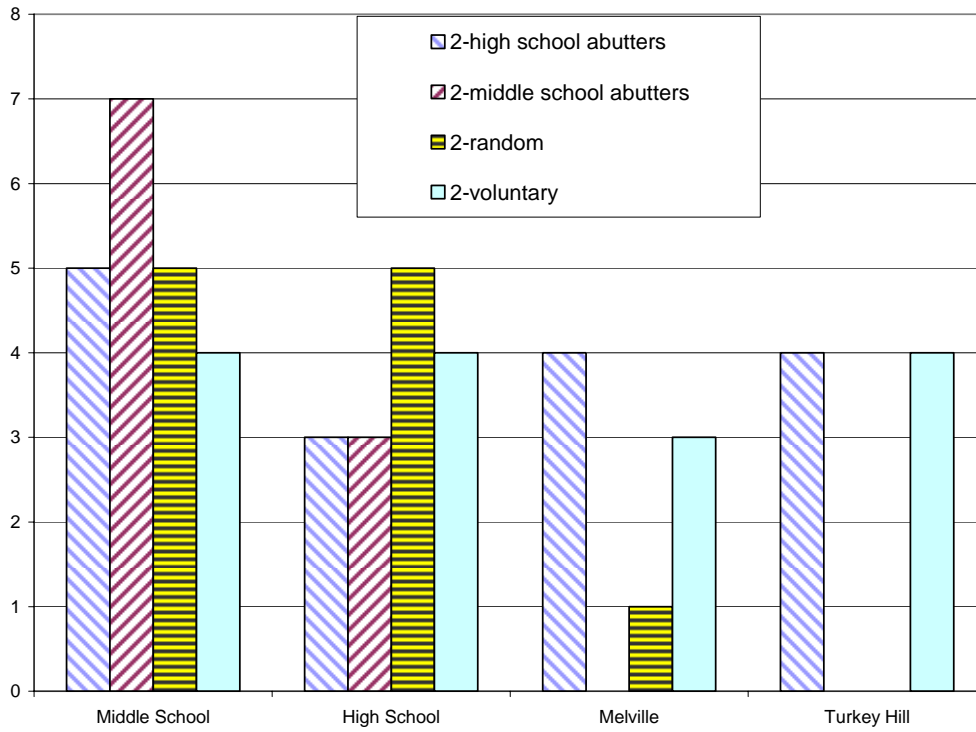


## 2 - Against

Question 8 - Against (2) Constructing Wind Turbines at the Following Locations

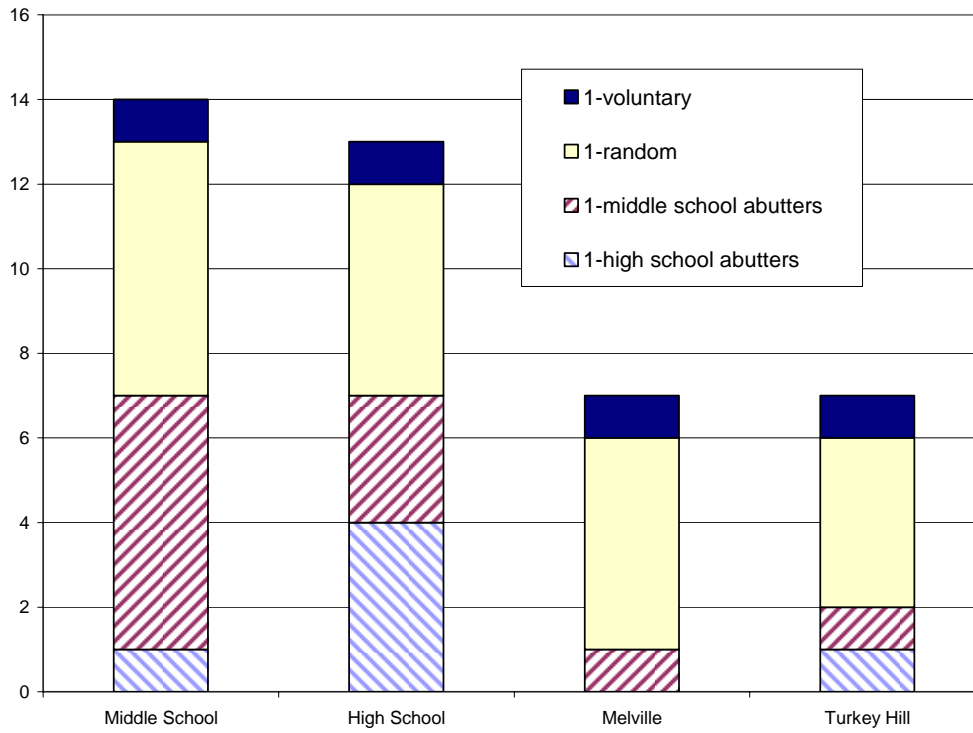


Question 8 - Against (2) Constructing a Wind Turbine at the Following Locations

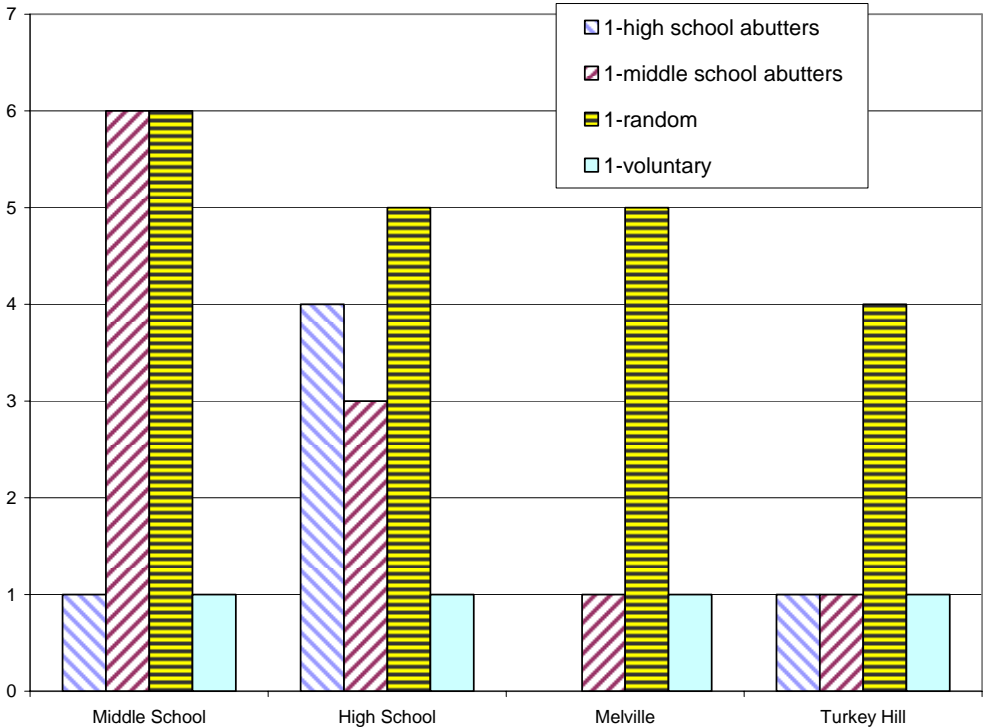


## 2 - Strongly against

Question 8 - Strongly Against (1) Constuction a Wind Turbine at the Following Locations

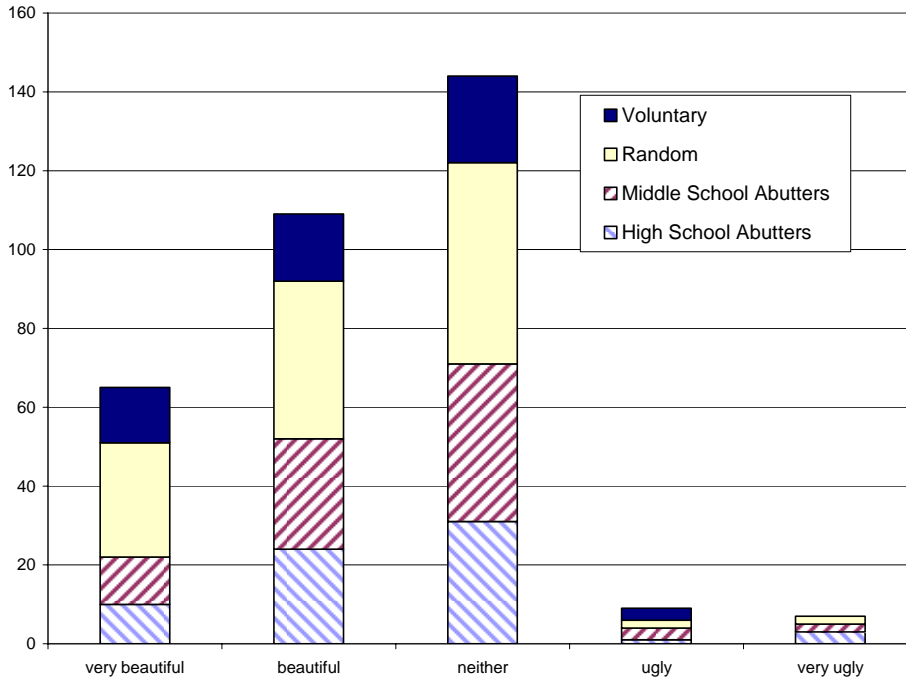


Question 8 - Strongly Against (1) Constructing a Wind Turbine at the Following Locations

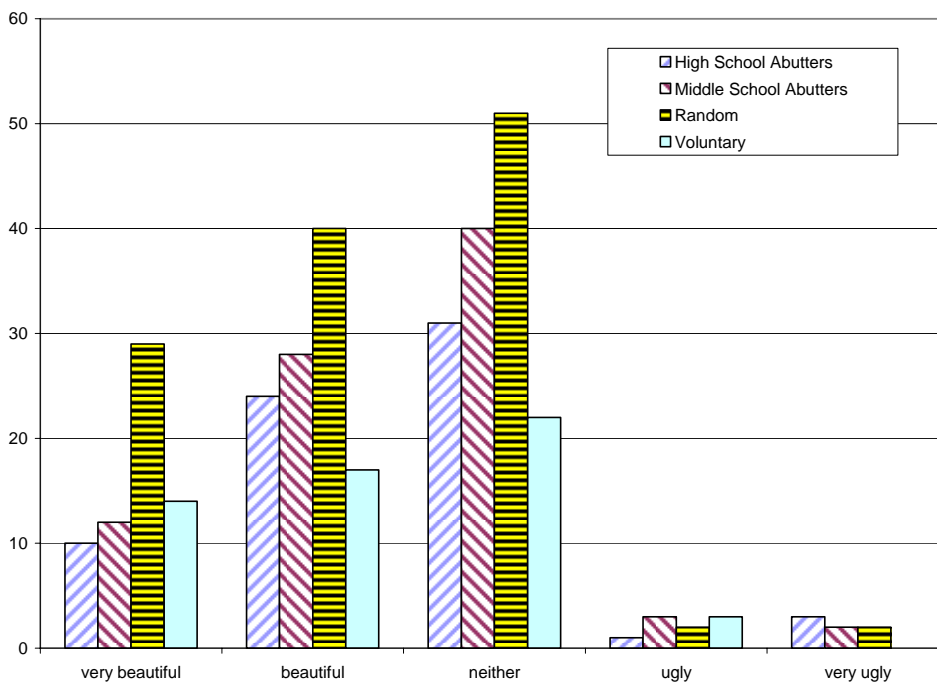


9. I think that wind turbines are:  
 \_\_very beautiful, \_\_beautiful, \_\_neither beautiful nor ugly, \_\_ugly, \_\_very ugly

Q9 - I think wind turbines are ...



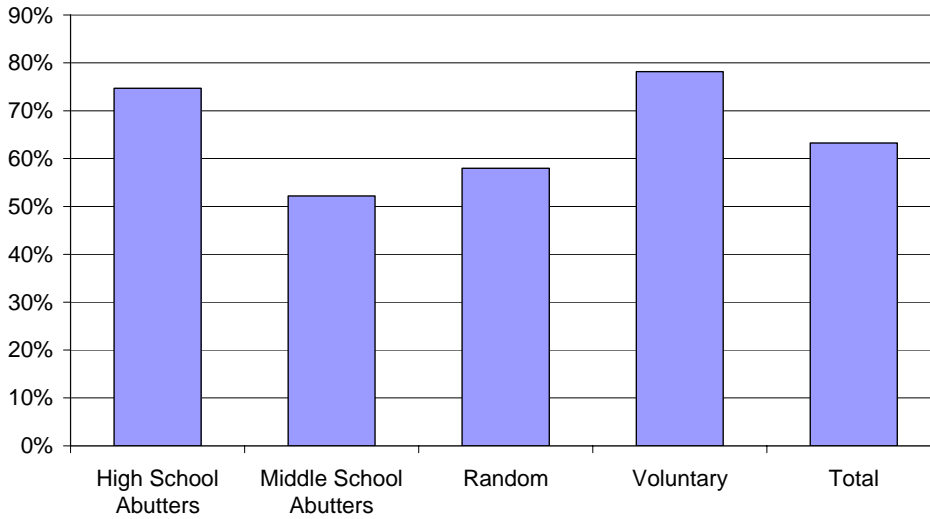
Question 9 - I think wind turbines are ...



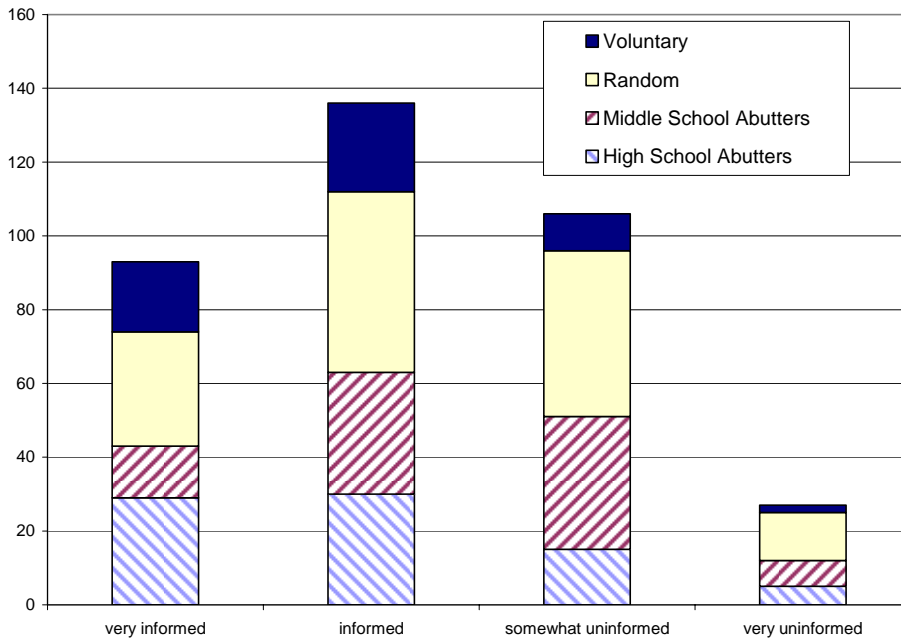
10. How strongly do you feel that you have enough information to make an informed decision about whether or not to build wind turbines at the High School and/or Middle School.

\_\_I am very informed, \_\_I am informed, \_\_I am somewhat uninformed, \_\_I am very uninformed

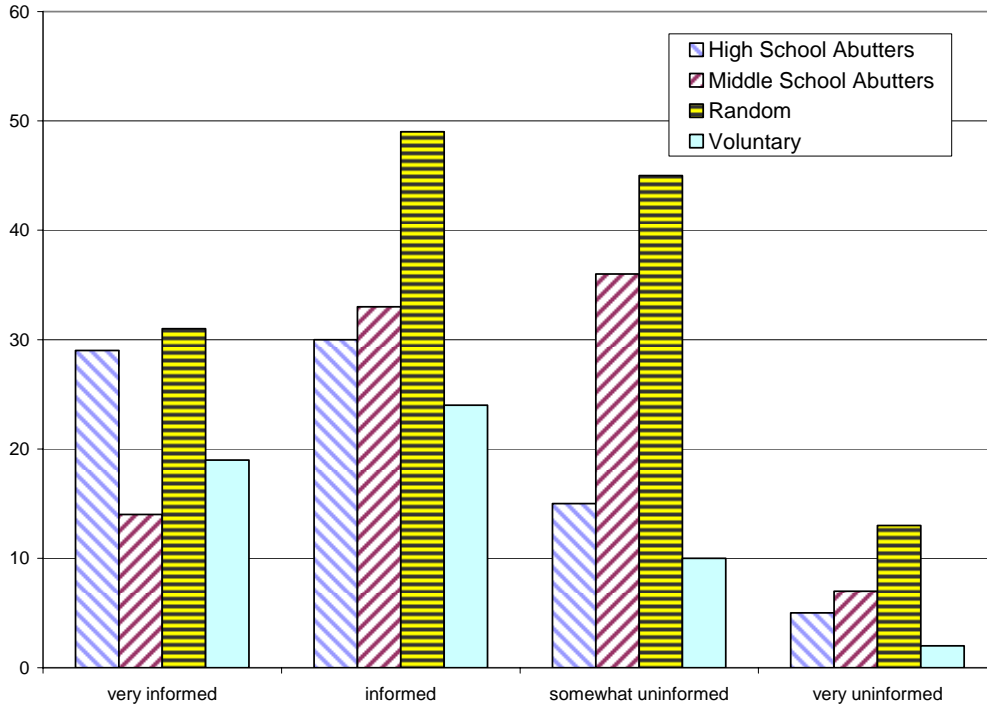
**Questin 10 - Percentage of Respondents Who Said they Are Informed or Very Informed**



**Questions 10 - How informed are you an Yoour Ability to Make an Informed Decision on wind Power in Portsmouth?**

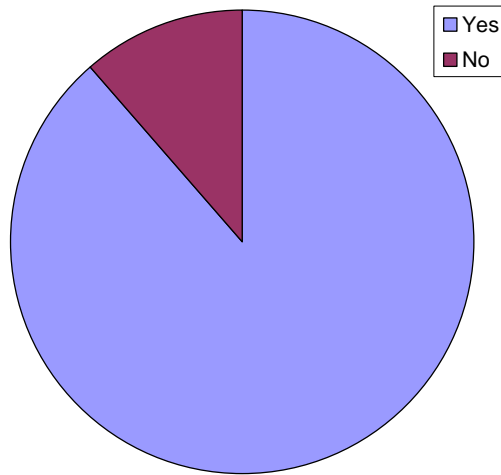


**Question 10 - How Infomred are you to be able to makr a decision on wind power in Portsmouth?**

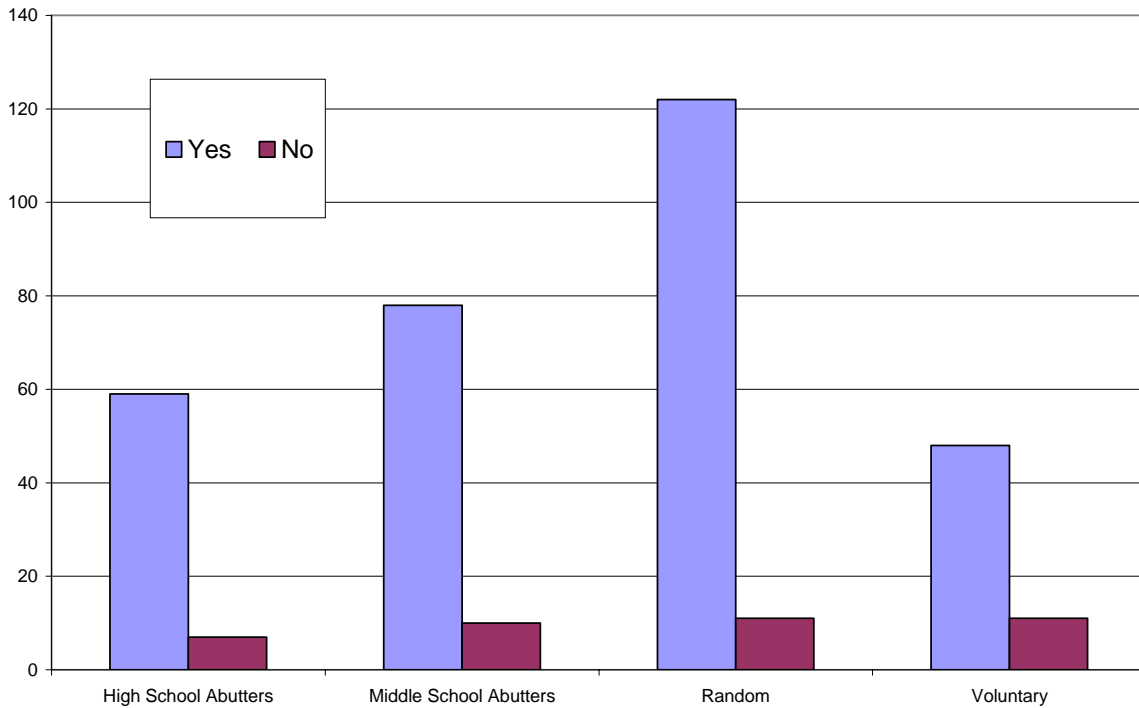


11. Assuming that the money in electric bill savings returned to the town treasury was estimated to be more than the cost of the bond payment each year, if I had to vote today on whether or not to support the Town investing in building wind turbines at the High School and/or Middle School using **zero-interest bonds**, I would vote: \_\_\_ Yes, \_\_\_ No

Question 11 - Would You Approve of Building Wind Turbines in Portsmouth Using Bonds at Zero Interest Rate?

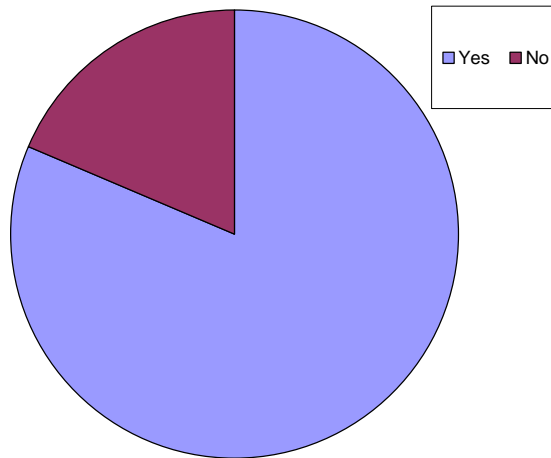


Question 11 - Would you vote for investing in a turbine for the Town using zero interest bonds?

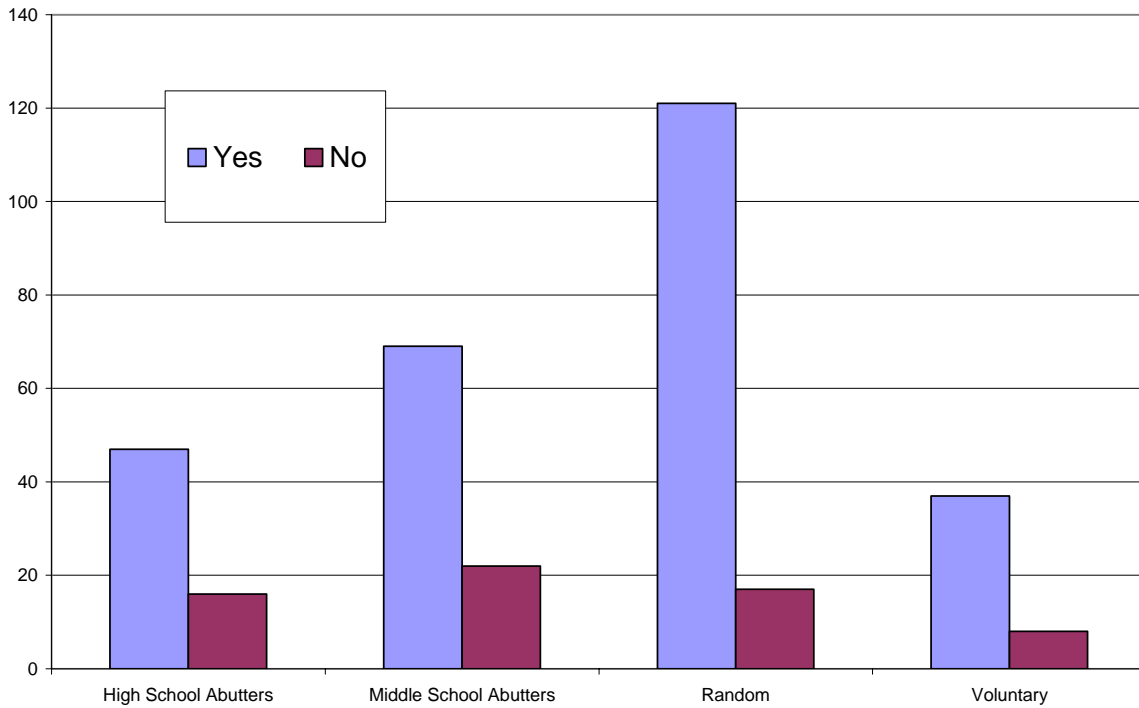


12. Assuming that the money in electric bill savings returned to the town treasury was estimated to be more than the cost of the bond payment each year, if I had to vote today on whether or not to support the Town investing in building wind turbines at the High School and/or Middle School using **bonds with interest at the market rate**, I would vote: \_\_\_ Yes, \_\_\_ No.

Question 12 - Would you approve of Building a Wind Turbine in Portsmouth Using Bonds at Market Rate?

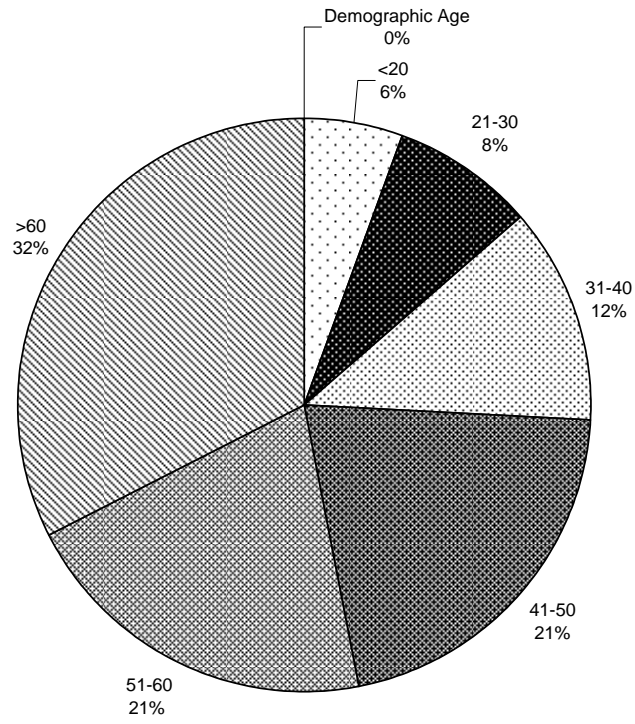


Question 12 - How would you vote on the Town investing in wind turbines with bonds at market rate?

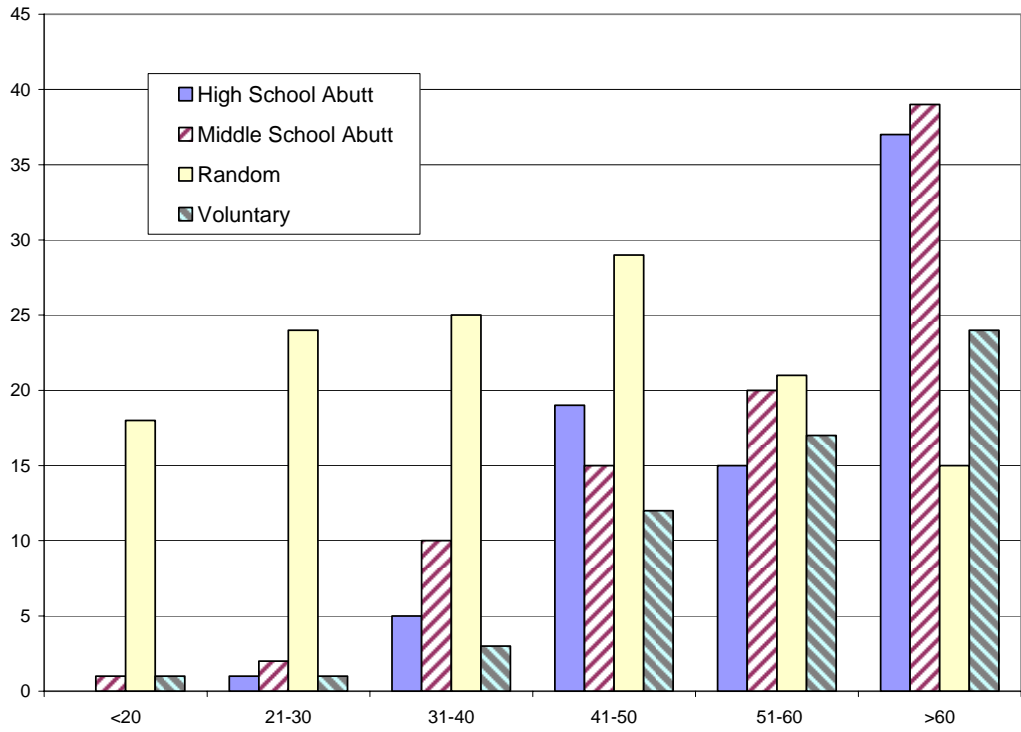


# Optional Information

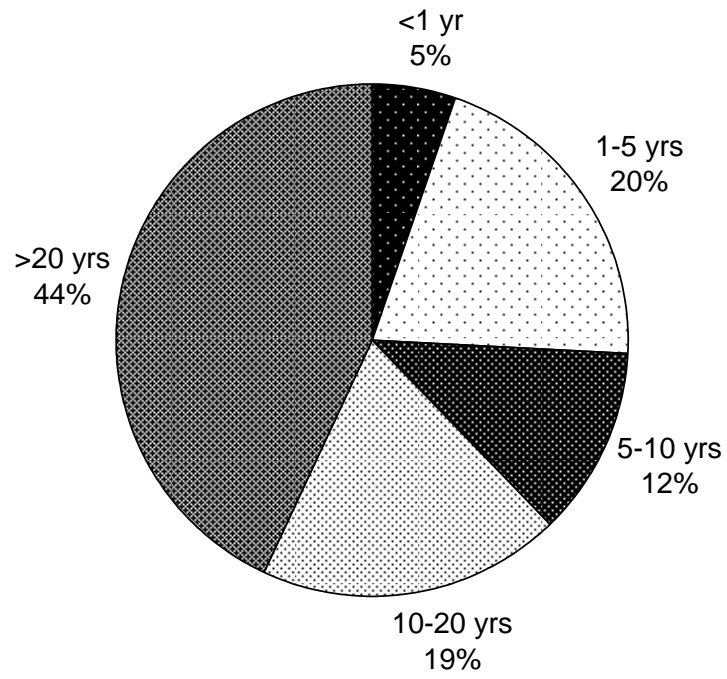
## Demographics - Age of Respondents



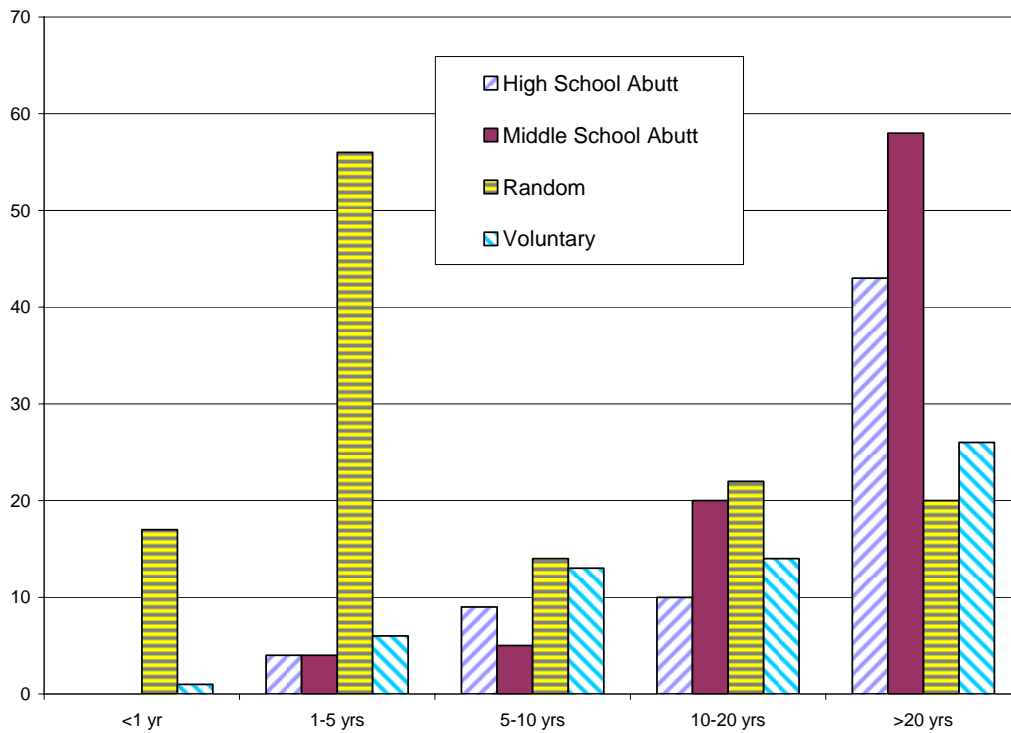
### Response Age Group



### Demographics - Residency Time of Respondents

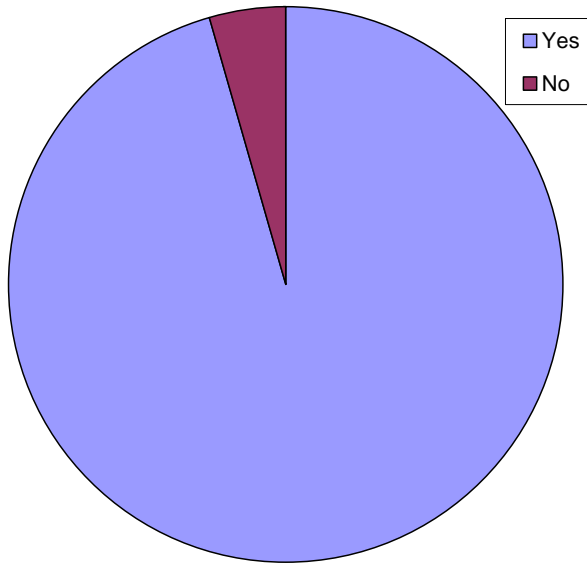


### Respondents Residency Time



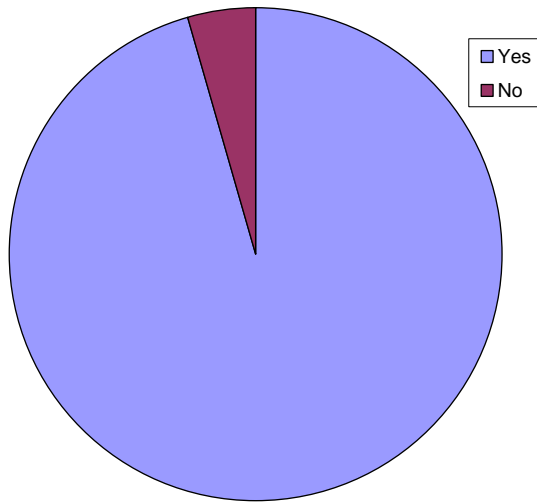
# Demographics - Percentage of Registered Voter Respondents

Demographics - Registered Voter



# Demographics - Percentage of Likely Voter Respondents

Demographics - Likely voter



Demographics - Percentage of Respondents in Household Income Groups

