

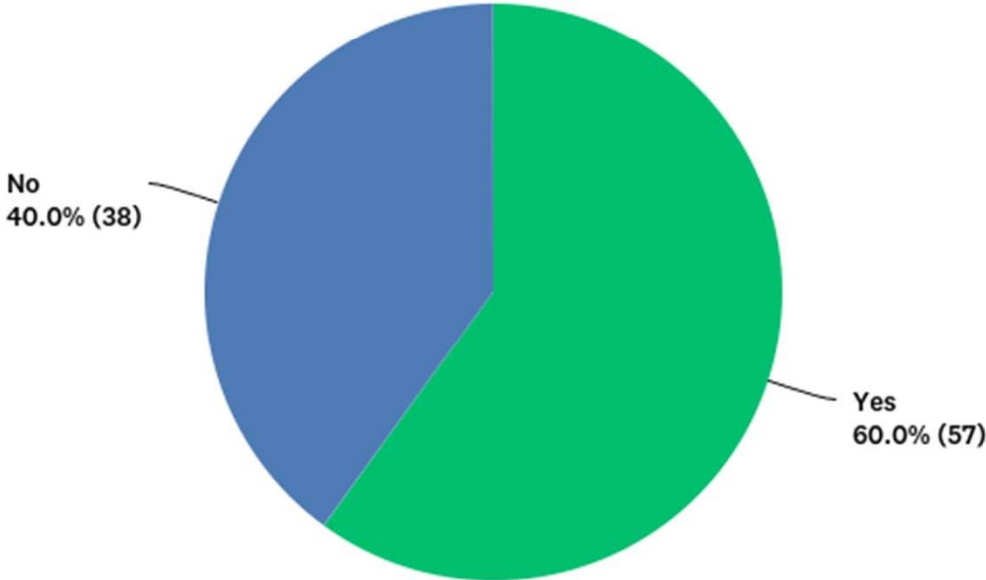
Codington County Zoning  
Ordinance Survey  
(Wind)

# August 2017 through January 2018 – Notice was provided several times via media outlets and Planning Commission & County Commission Meetings

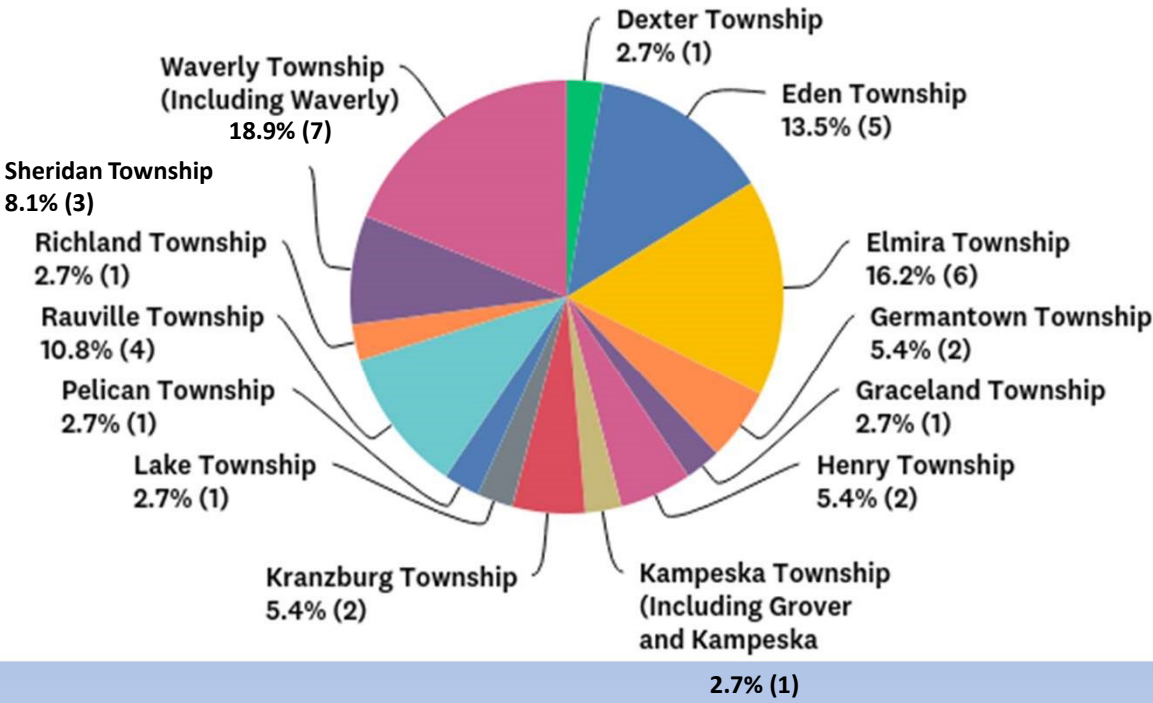
- 95 Respondents
  - 0.8% of the number of total households in the County
  - 0.6% of the number of total households in Towns
  - 2.1% of the number of total households in Rural households
- Confidence Level:
  - This tells you how sure you can be of the margin of error. It is expressed as a percentage and represents how often the true percentage of the population who would pick an answer lies within the margin of error
- Margin of Error:
  - This is the plus-or-minus figure usually reported in newspaper or television opinion poll results. For example, if you use a margin of error of 10% and 60% percent of your sample picks an answer, you can be “sure” that if you had asked the question to the entire population, between 50% (60-10) and 70% (60+10) would have picked that answer.

# Total Responses

Q1 Do you live in a Codington County municipality? (Florence, Henry, Kranzburg, South Shore, Wallace, or Watertown)

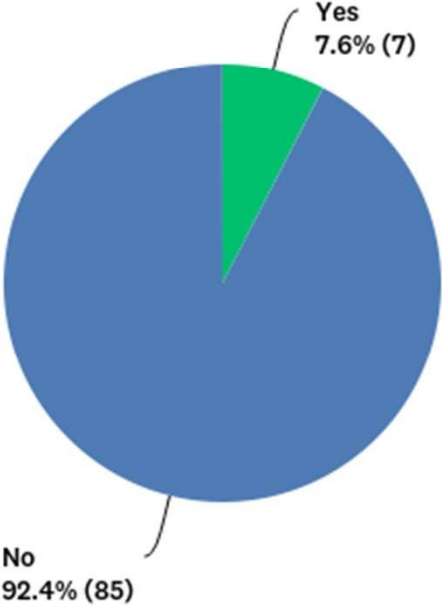


# Q2 What Township do you live in?



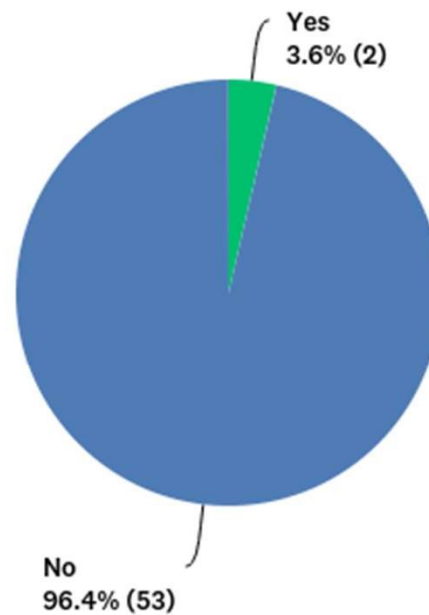
# Total Responses

Q13 Do you currently own land with a wind easement on it?



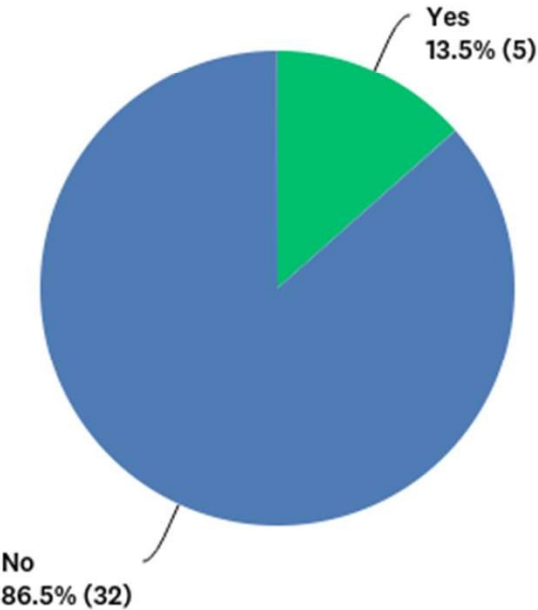
## Town Responses

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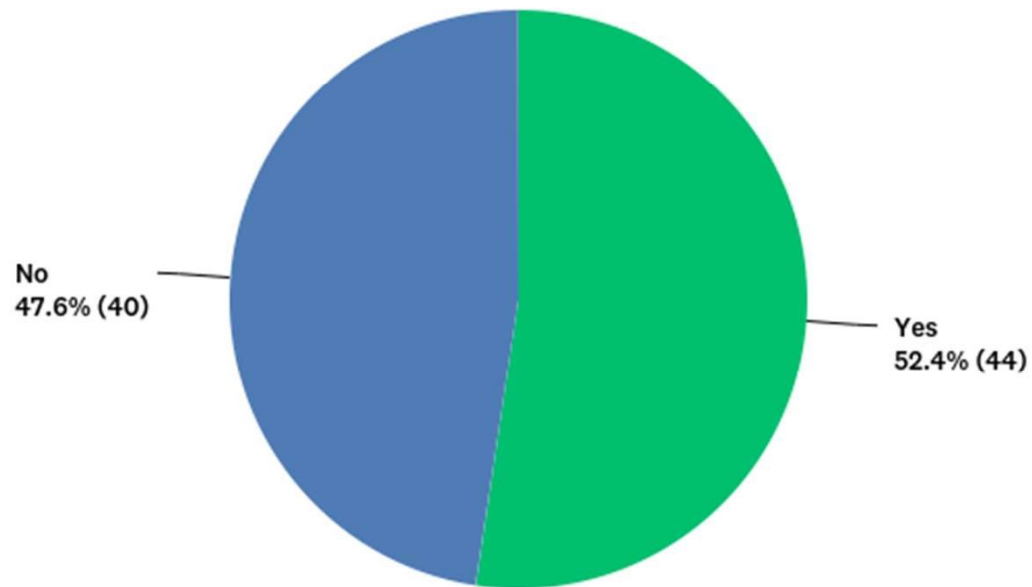
# Rural Responses

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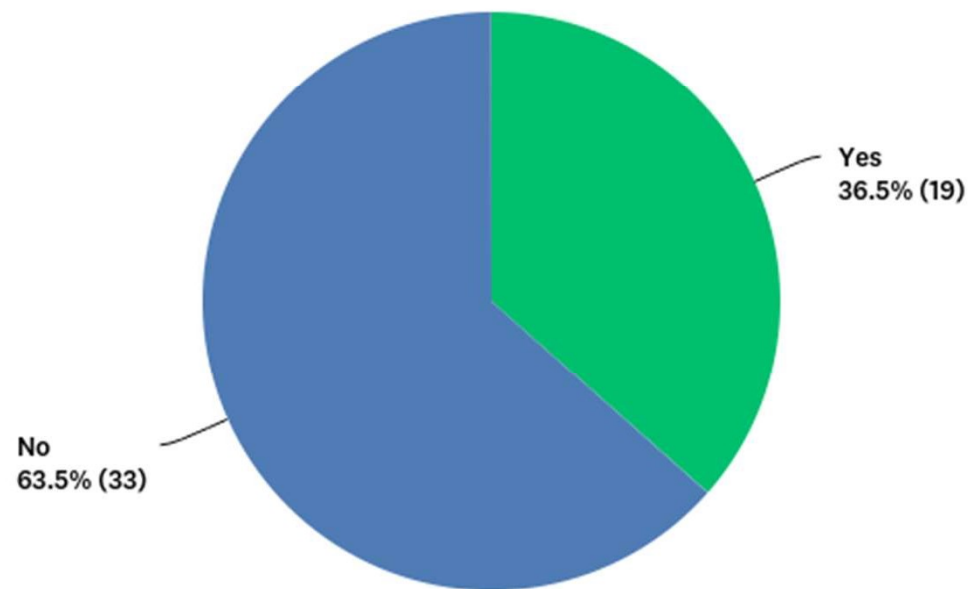
## Total Responses

Q14 If you were offered a wind easement for your land, would you accept it?



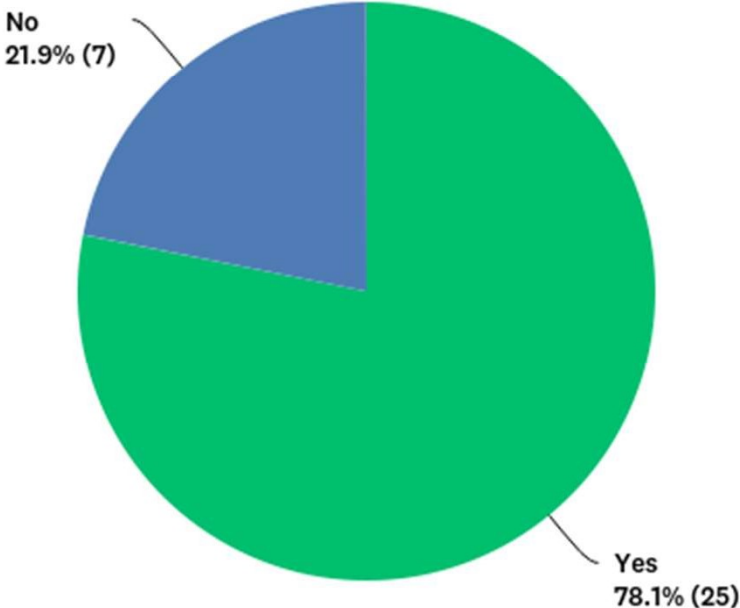
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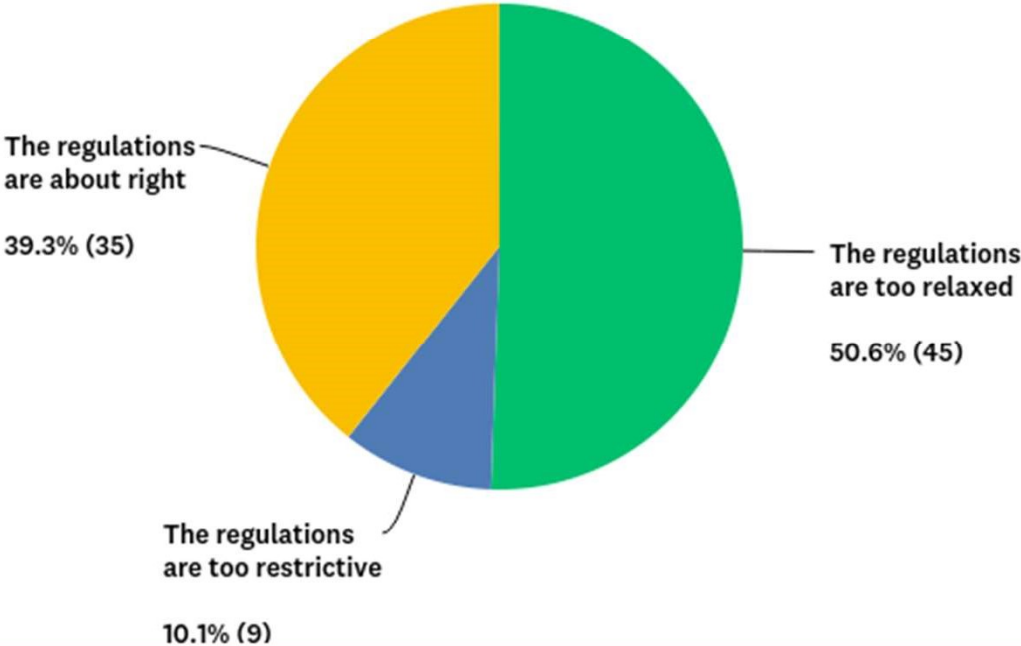
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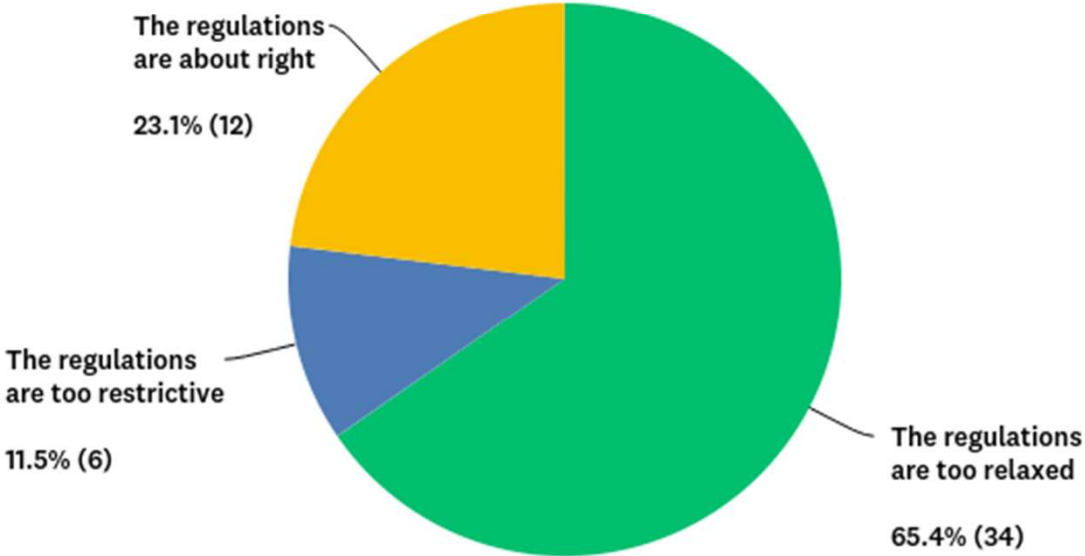
# Total Responses

Q15 What is your perception regarding Codrington County's existing Wind Energy System regulations?



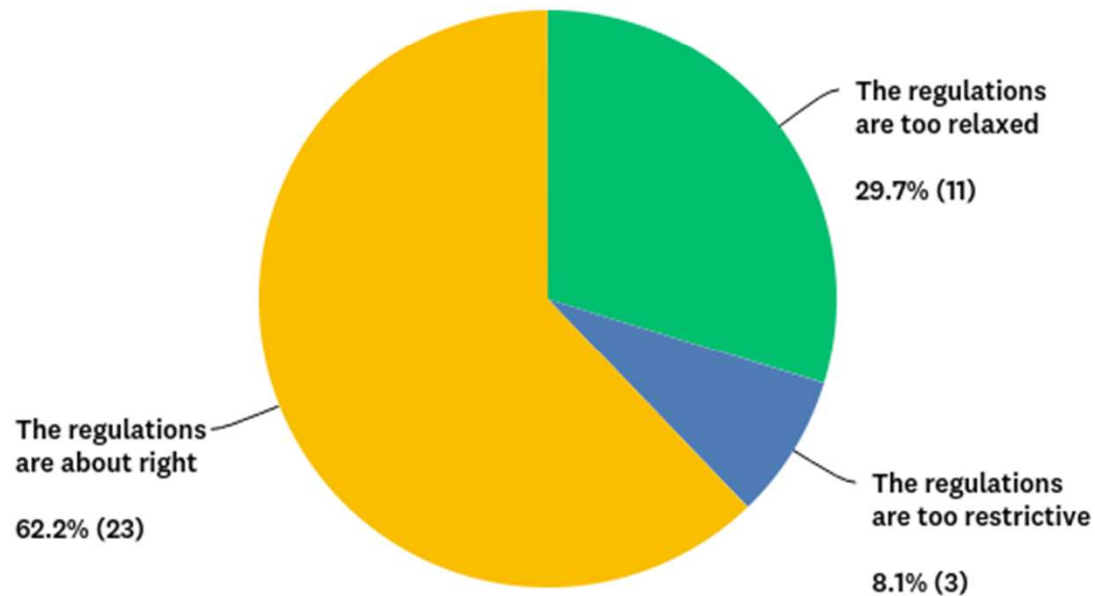
# Town Responses

Q15 What is your perception regarding Codrington County's existing Wind Energy System regulations?



## Rural Responses

Q15 What is your perception regarding Codrington County's existing Wind Energy System regulations?



# If the county were to adopt new setback requirements for wind towers what setback would you suggest?

- 89 Respondents answered question regarding interpretation of Wind Regulations
- 45 respondents thought “too relaxed”
  - 34 Town - 38% of Total Responses
  - 11 Rural - 12% of total responses
- **Setback from residences** (39 Responses” Towns – 30, Rural – 9)
- Suggestions ranged from “Not Allowed to 2 miles”
- Most Popular was 1 mile setback (14 responses)
  - 29% of Town Responses (10)
  - 36% or Rural Responses (4)
- Average
  - 4,580 feet - Town
  - 3,835 feet - Rural

# If the county were to adopt new setback requirements for wind towers what setback would you suggest?

- Setback from businesses/churches (38 Responses: Towns-31 Rural -7)
- Suggestions ranged from “Not Allowed to 2 miles”
- Most Popular was 1 mile setback (14 responses)
  - 31% of Town Responses (11)
  - 38% of Rural Responses (3)
- Average
  - 5,280 feet - Town
  - 3,800 feet - Rural

# If the county were to adopt new setback requirements for wind towers what setback would you suggest?

- Setback from Property Lines (32 Responses: Towns-25, Rural-7)
- Suggestions ranged from “Not Allowed to 2 miles”
- Most Popular was 1 mile setback (5 responses)
  - 16% of Town Responses (4)
  - 14% of Rural Responses (1)
    - Rural most popular ½ mile (3)
- Range of 120% of Tower height to 400% of Tower Height (9 responses)
- Average
  - 3,300 feet - Town
  - 2,400 feet - Rural

# If the county were to adopt new setback requirements for wind towers what setback would you suggest?

- Setback from Roads (25 Responses: Towns 17 Rural 8)
- Suggestions ranged from “Not Allowed to 2 miles”
- Most Popular was 750 feet (4 responses)
- Average
  - 2,150 feet - Town
  - 1,912 feet - Rural

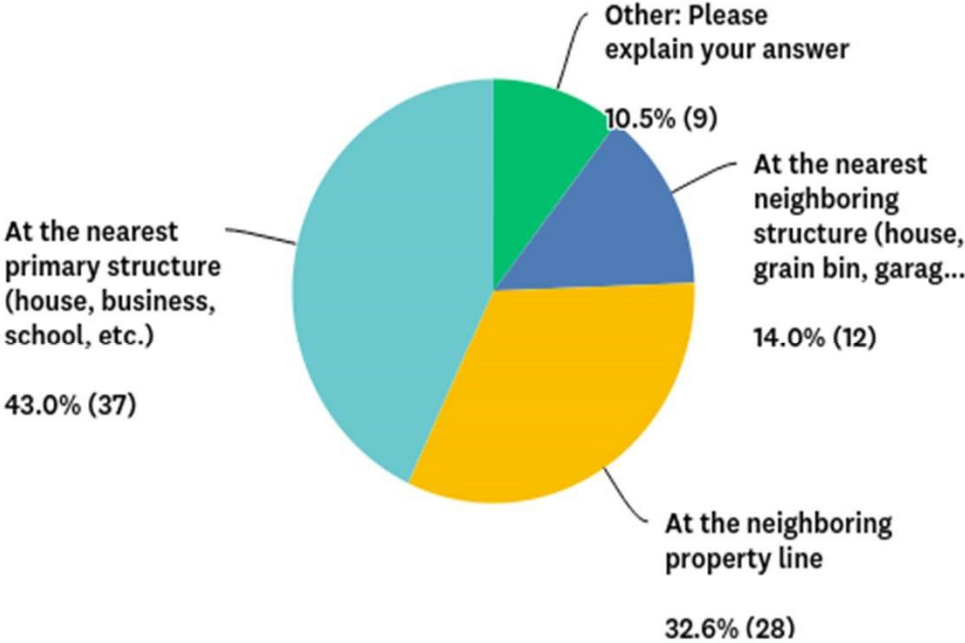
# If the county were to adopt new setback requirements for wind towers what setback would you suggest?

- Other

Abandoned farm sites	1 mile
Bars and nightclubs	
Casinos	
Fireworks Stands	1 mile
Lake	2 miles
Historical Sites or Properties	5 miles
private airplane runways	
GFP Land	.25 to 2 miles
Wetlands	

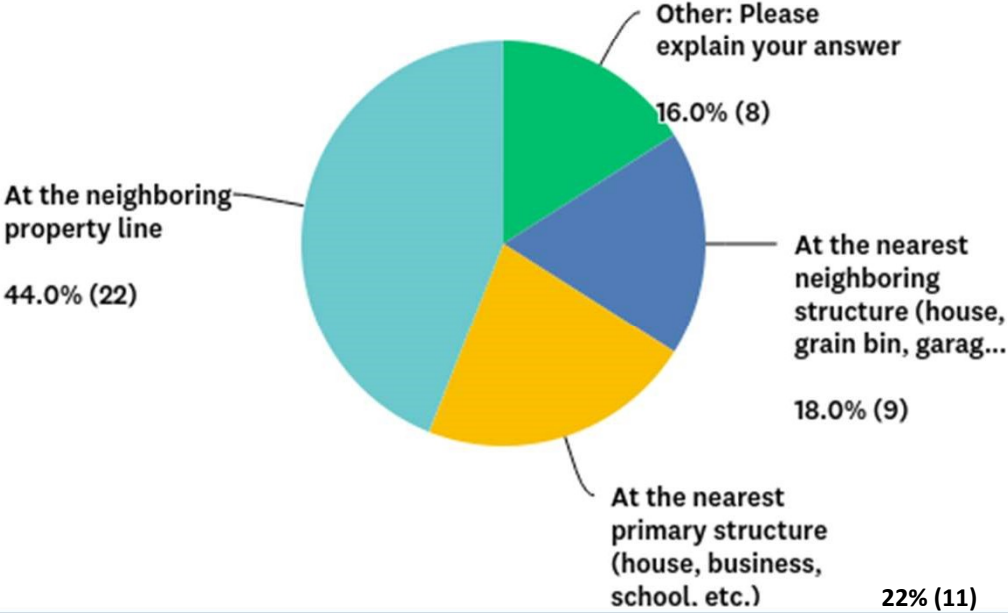
# Total Responses

Q17 At what point on the property should noise generated from a wind turbine be measured?



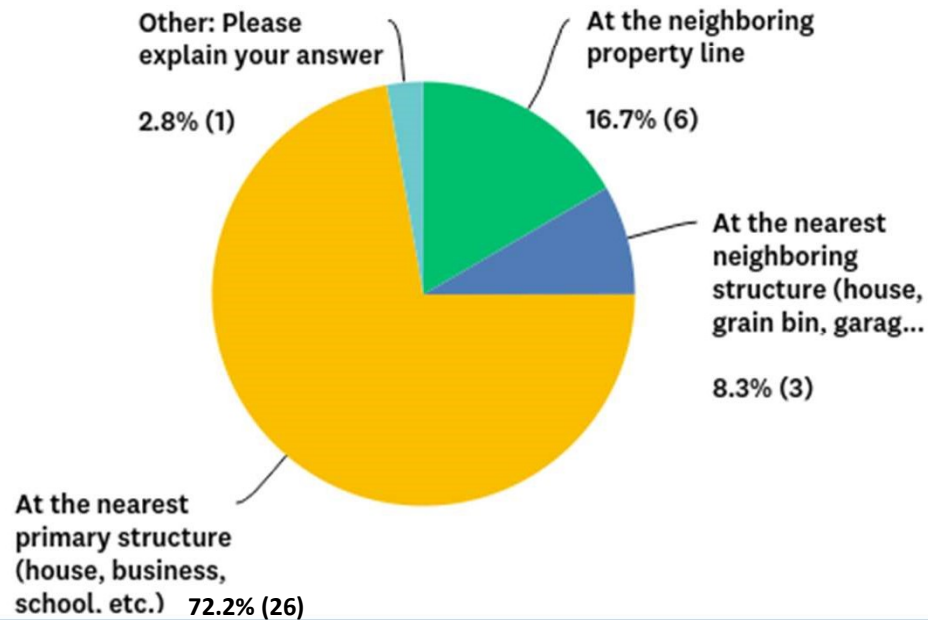
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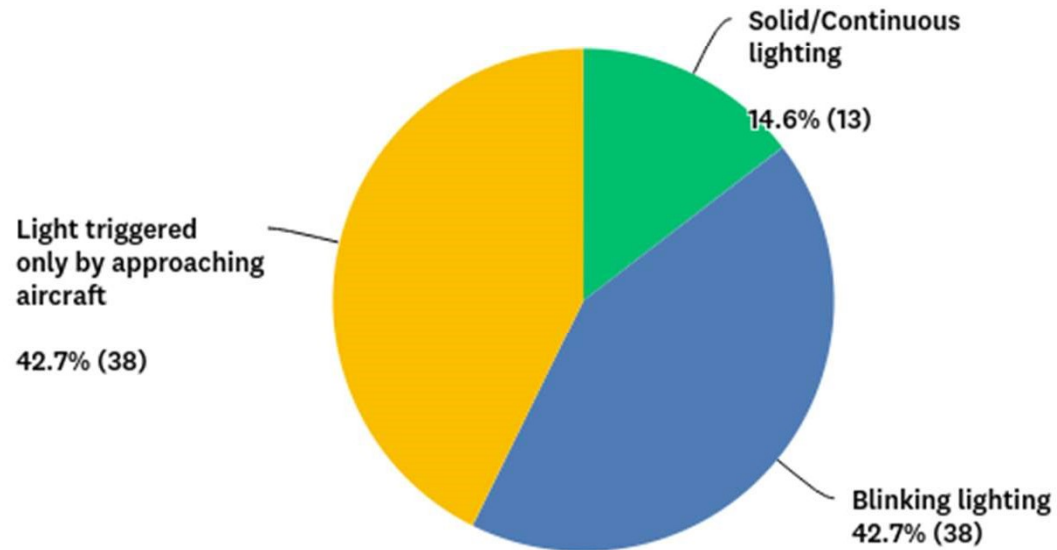
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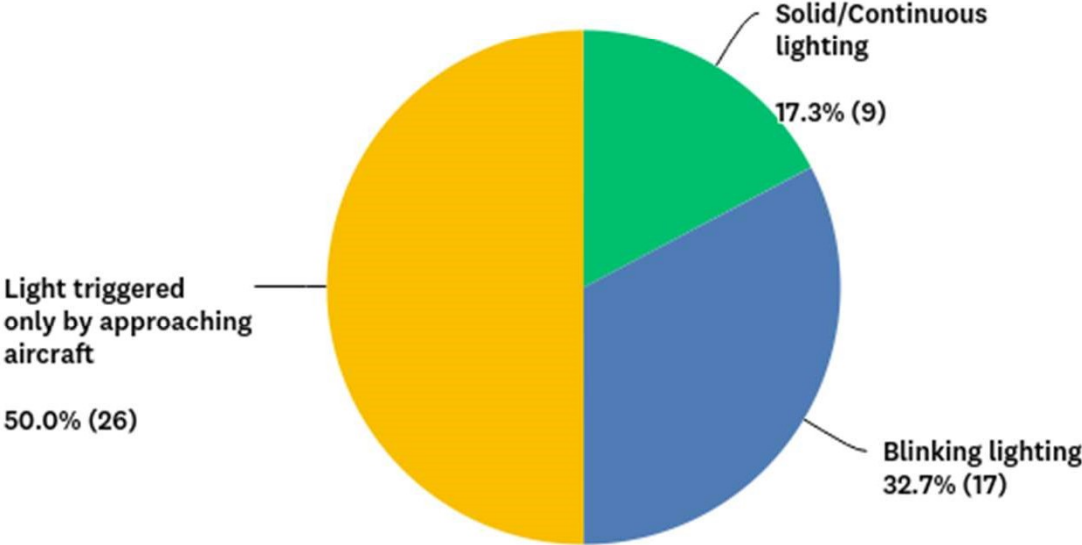
## Total Responses

Q18 What kind of lighting should be used on wind towers?



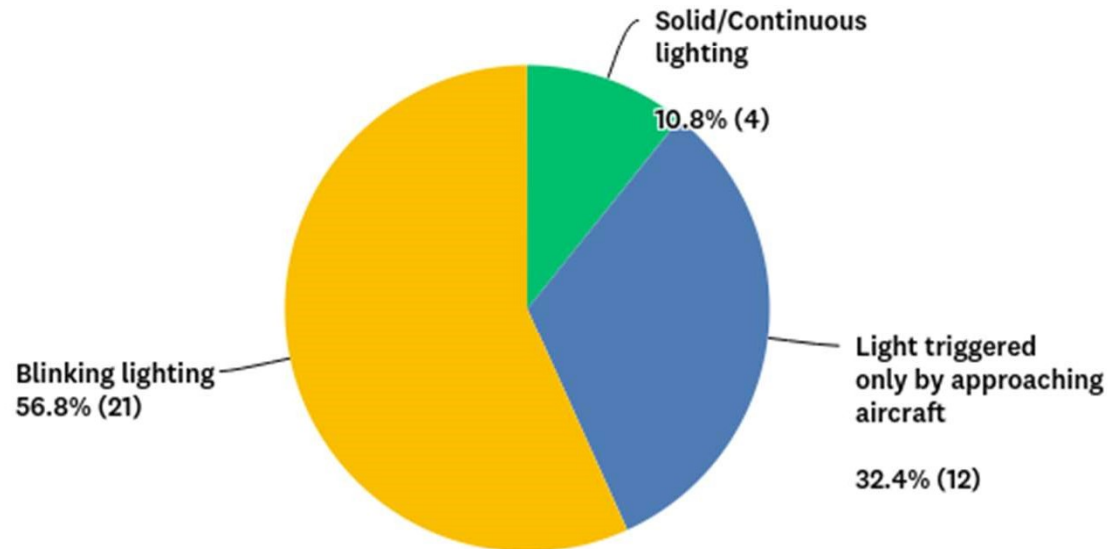
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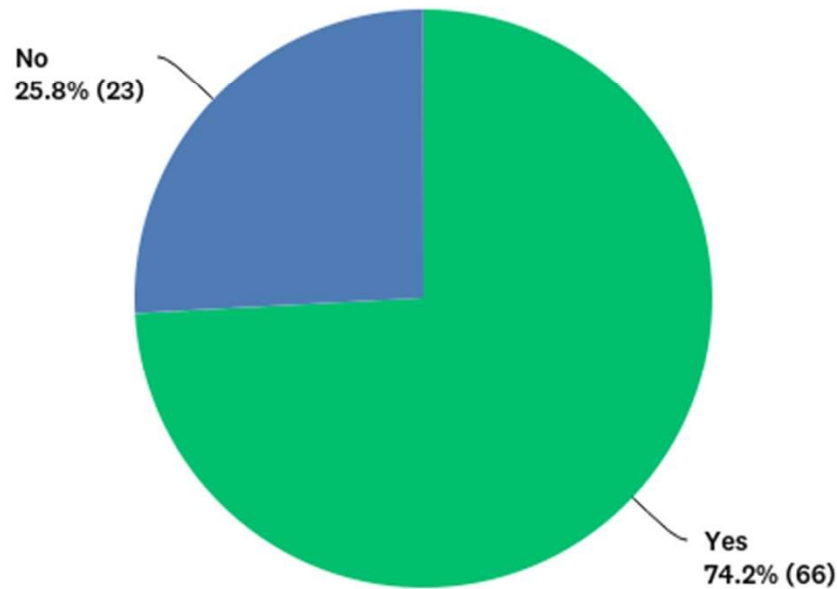
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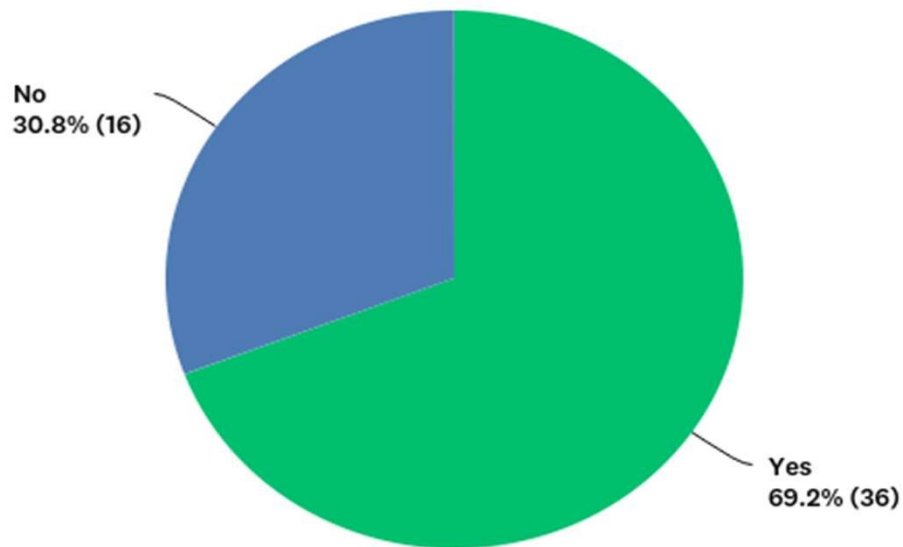
### Total Responses

Q19 (Shadow flicker refers to the shadow generated by wind turbine blades and is sometimes regulated in reference to the number of hours per year those shadows could reach a neighboring use. The general industry standard is 30 – 40 hours per year assuming every day is sunny and the wind tower is turning.) Codrington County currently does not regulate the amount of flicker generated by a wind turbine. Should Codrington County regulate shadow flicker?



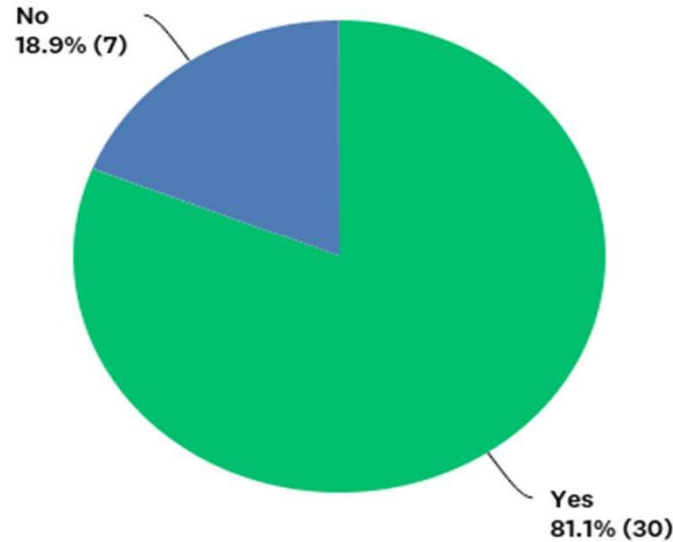
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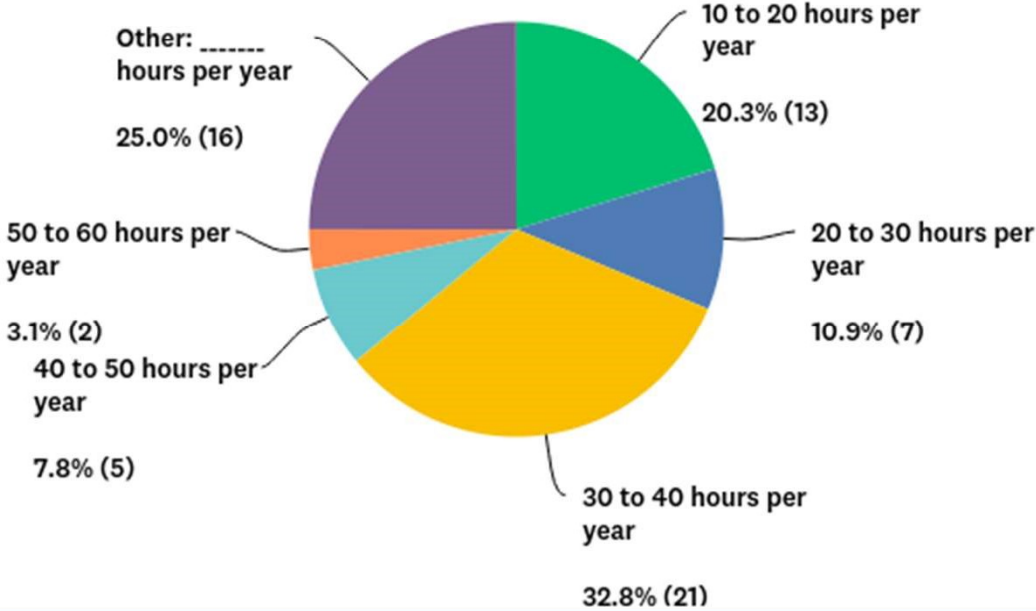
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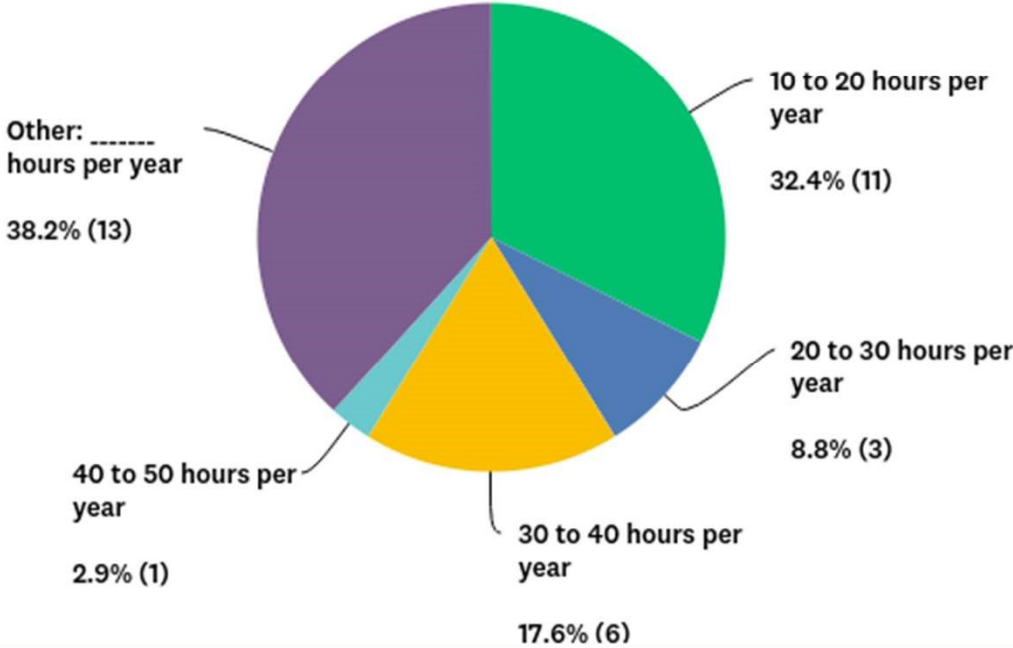
# Total Responses

Q20 How many hours should be allowed per year?



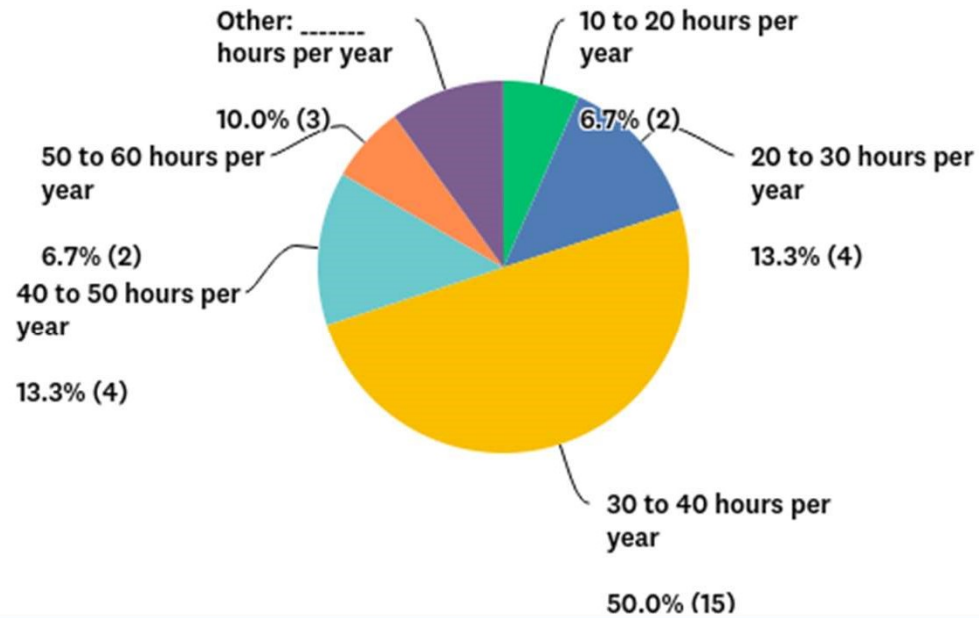
# Town Responses

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## Rural Responses

Q20 How many hours should be allowed per year?



# General Observations

- Most Respondents do not have a current vested (easement) interest in Wind
- Even Split on whether or not existing rules are too relaxed or not
- Difference between town and rural respondents regarding wind
  - Town Respondents are generally not in favor of Wind Energy Systems
  - Town Respondents want more restrictive regulation
  - Town Respondents make up 75% of Respondents who feel Regulations are too relaxed
- Town Respondents – Specifically
  - Most would not sign up for a wind easement (63%)
  - Most believe existing rules are too relaxed (65%)
  - Most would measure noise from property line (44%)
  - Most approve of triggered lighting (50%)
- Rural Respondents – Specifically
  - Most would sign up for a wind easement (78%)
  - Most believe existing rules are adequate or too restrictive (70%)
  - Most would measure noise from primary structure (72%)
  - Most approve of blinking lighting (57%)
- Agreement from all respondents that flicker needs to be addressed
  - Rural Respondents would tolerate more flicker than Town Respondents