

**Responses of Nebraska Public  
Power District, Omaha Public  
Power District, and Lincoln  
Electric System Customers to the  
2013 Nebraska Annual Social  
Indicators Survey Wind Energy  
and Wildlife Questions**

Nebraska Wind Energy and Wildlife Project



December 2013



Responses of Nebraska Public Power District, Omaha Public Power District,  
and Lincoln Electric System Customers to the 2013 Nebraska Annual Social  
Indicators Survey Wind Energy and Wildlife Questions  
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## Introduction

Five questions related to wind energy development and wildlife resources were submitted to the Nebraska Annual Social Indicators Survey (NASIS) to learn more about Nebraskan's knowledge and perceptions of wind energy development and its potential impacts on wildlife resources. The NASIS is an omnibus survey of quality of life in the state of Nebraska that has been conducted since 1977. The NASIS is a joint effort of the Bureau of Sociological Research, Department of Sociology at the University of Nebraska-Lincoln, several state and private non-profit agencies, and other university departments. Each year, NASIS contains a core group of demographic, quality-of-life, and sociological indicators questions. The additional questions included in the survey vary annually and depend upon the data needs of interested researchers who contribute funds towards the cost of the survey in proportion to their data needs. Researcher's questions are reviewed for clarity and bias and formatted for a mail survey. A pre-test of the survey is conducted and changes are made based on the results. A random sample of 6,000 Nebraska addresses was selected to participate in 2012 NASIS.

## Methods

Survey participants were categorized as a customer of the Public Power Districts (PPD) based on the county of their residence (Appendix A). All participants from Lancaster County were classified as Lincoln Electric System (LES) customers. All participants from the thirteen counties listed on the Omaha Public Power District (OPPD) website ([http://www.oppd.com/ResidentialCustomers/22\\_001280](http://www.oppd.com/ResidentialCustomers/22_001280)) were classified as OPPD customers. Participants from all other counties were classified as Nebraska Public Power District (NPPD) customers.

## Data Analysis

Each of the survey questions contained a Likert-type scale the participants used to express their opinion. For each question the frequency of each response in each category was tallied and a percentage was determined; the percent of responses for each category are graphically displayed. For statistical analysis, responses in the 'Do not know' were not included. The median response for each category for each question was compared among and between PPDs to determine if responses from one PPD were significantly different from those of other PPDs. Mann-Whitney Rank Sum tests were used to compare median value between two groups and Anova on Ranks to compare the median value of three groups.

## NASIS 2013 Wind Energy – Wildlife Survey Questions

**1. How much do you agree or disagree that current wind energy regulations in Nebraska adequately protect wildlife?**

Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly disagree, Don't know

**2. How much would you support or oppose regulations in Nebraska that would require wind energy development and operation to minimize impacts to wildlife?**

Strongly support, Support, Neither support nor oppose, Oppose, Strongly oppose

**3. How much do you support or oppose wind energy development in remote, unfragmented landscapes in Nebraska?**

Strongly support, Support, Neither support nor oppose, Oppose, Strongly oppose

**4. How much do you agree or disagree that developers should pay for impacts of wind energy developments to native Nebraska habitats?**

Strongly agree, Agree, Neither agree nor disagree, Disagree, Strongly disagree, Don't know

**5. How concerned are you that each of the following types of wildlife listed below can be negatively impacted or killed as a result of wind energy development and/or operations?**

a. Eagles

b. Hawks

c. Songbirds

d. Cranes

e. Grouse

f. Ducks

g. Geese

h. Bats

i. Deer

j. Elk

k. Pronghorn Antelope

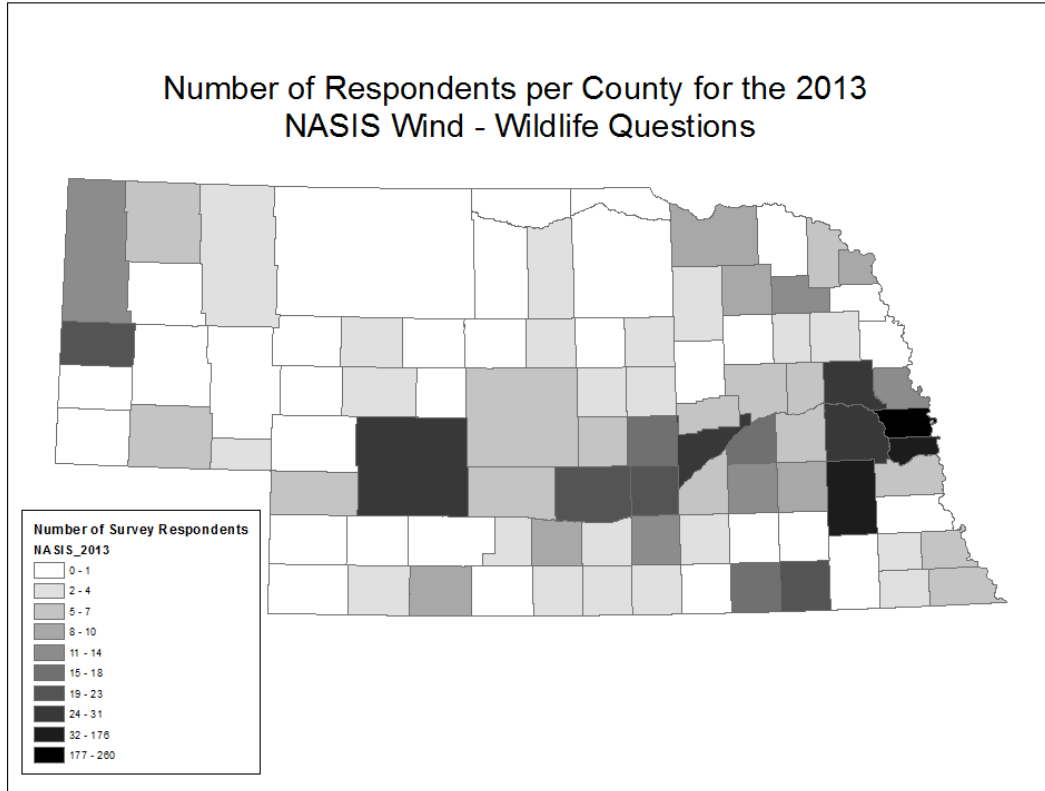
l. Furbearers (animals trapped for their fur)

m. Endangered Species

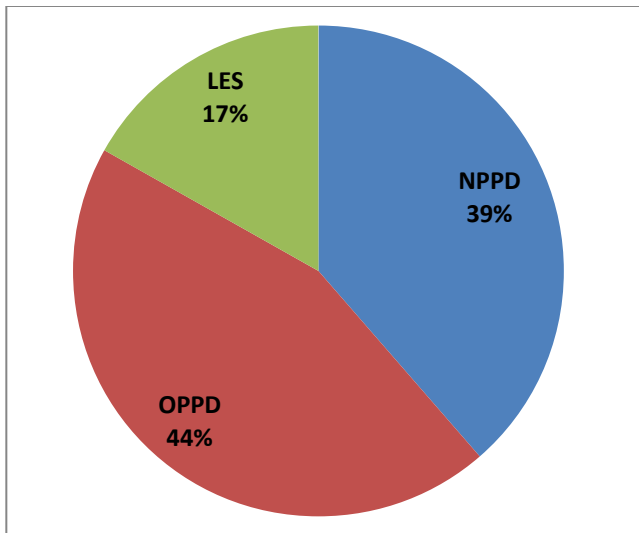
Very concerned, Somewhat concerned, Slightly concerned, Not at all concerned, Don't know

## Results

A total of 1,067 Nebraskans completed the NASIS; 1,059 Nebraskans responded to the wind energy and wildlife questions. Distribution of survey respondents for each county are listed in Appendix A



## Distribution of Results from the Public Power Districts



| Variables    | Frequency   | %     |
|--------------|-------------|-------|
| NPPD         | 410         | 38.72 |
| OPPD         | 473         | 44.66 |
| LES          | 176         | 16.62 |
| <b>TOTAL</b> | <b>1059</b> |       |

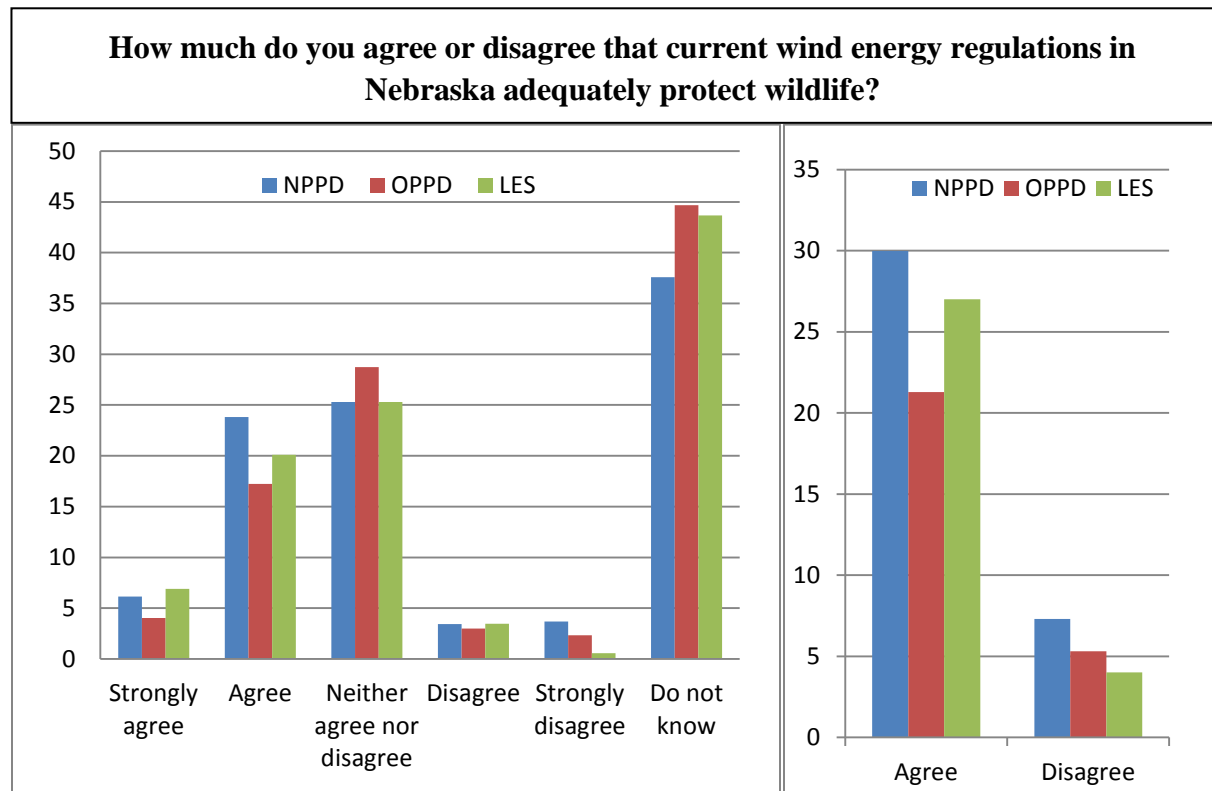


## Comparison of Responses from NPPD, OPPD, and LES Customers

### 1. How much do you agree or disagree that current wind energy regulations in Nebraska adequately protect wildlife?

|                            | Percent % |       |       |
|----------------------------|-----------|-------|-------|
|                            | NPPD      | OPPD  | LES   |
| Strongly agree             | 6.14      | 4.04  | 6.90  |
| Agree                      | 23.83     | 17.23 | 20.11 |
| Neither agree nor disagree | 25.31     | 28.72 | 25.29 |
| Disagree                   | 3.44      | 2.98  | 3.45  |
| Strongly disagree          | 3.69      | 2.34  | 0.57  |
| Do not know                | 37.59     | 44.68 | 43.68 |
| <i>Categories Combined</i> |           |       |       |
| Agree                      | 29.98     | 21.28 | 27.01 |
| Neither agree nor disagree | 25.31     | 28.72 | 25.29 |
| Disagree                   | 7.31      | 5.32  | 4.02  |
| Do not know                | 37.59     | 44.68 | 43.68 |

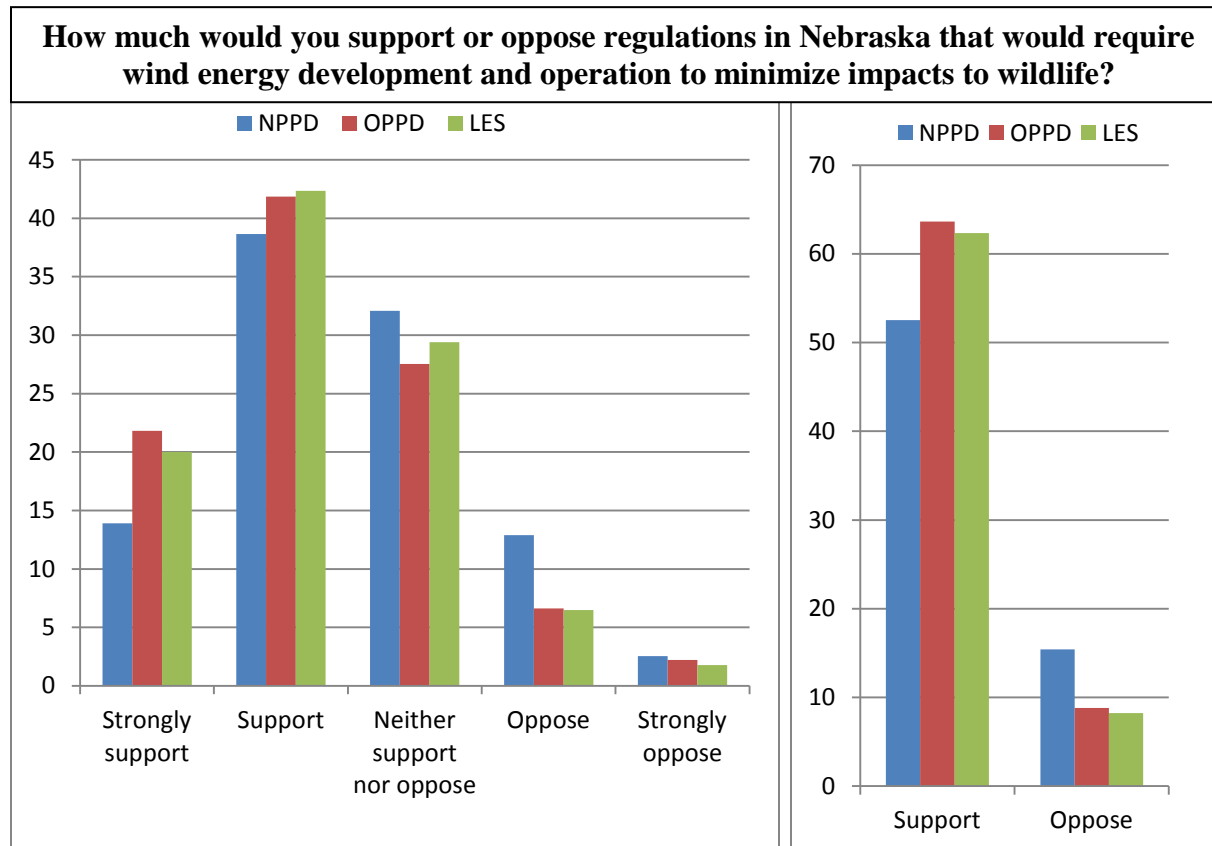
There are no significant differences in responses between NPPD, OPPD, and LES customer's opinions about wind energy regulations ability to protect Nebraska wildlife (P = 0.113).



**2. How much would you support or oppose regulations in Nebraska that would require wind energy development and operation to minimize impacts to wildlife?**

|                            | Percent % |       |       |
|----------------------------|-----------|-------|-------|
|                            | NPPD      | OPPD  | LES   |
| Strongly support           | 13.89     | 21.81 | 20.00 |
| Support                    | 38.64     | 41.85 | 42.35 |
| Neither support nor oppose | 32.07     | 27.53 | 29.41 |
| Oppose                     | 12.88     | 6.61  | 6.47  |
| Strongly oppose            | 2.53      | 2.20  | 1.76  |
| <i>Categories Combined</i> |           |       |       |
| Support                    | 52.53     | 63.66 | 62.35 |
| Neither support nor oppose | 32.07     | 27.53 | 29.41 |
| Oppose                     | 15.40     | 8.81  | 8.24  |

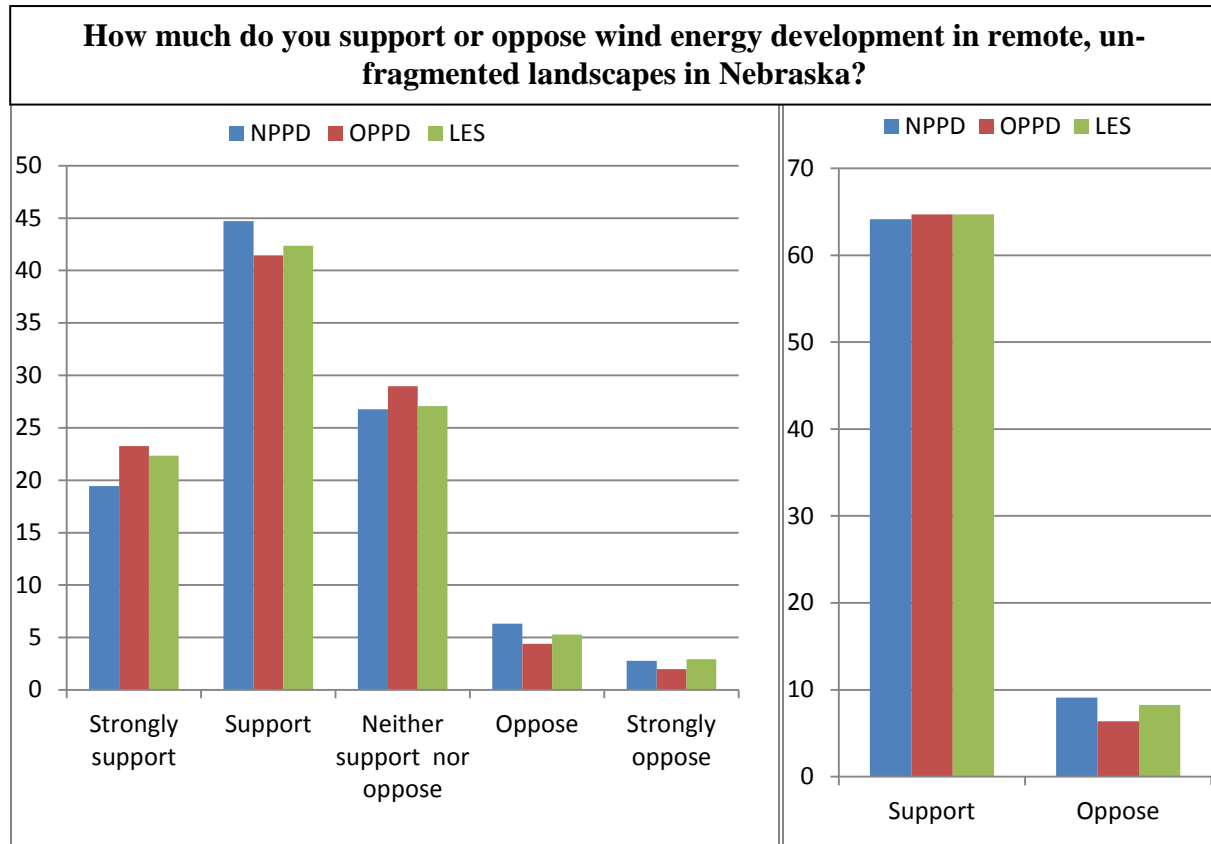
There are no significant differences in responses between LES and OPPD customer’s support for regulations (P = 0.711). OPPD and LES customers are more likely to support regulations than NPPD customers (p ≤ 0.001, P = 0.007, respectively).



### 3. How much do you support or oppose wind energy development in remote, un-fragmented landscapes in Nebraska?

|                            | Percent % |       |       |
|----------------------------|-----------|-------|-------|
|                            | NPPD      | OPPD  | LES   |
| Strongly support           | 19.44     | 23.25 | 22.35 |
| Support                    | 44.70     | 41.45 | 42.35 |
| Neither support nor oppose | 26.77     | 28.95 | 27.06 |
| Oppose                     | 6.31      | 4.39  | 5.29  |
| Strongly oppose            | 2.78      | 1.97  | 2.94  |
| <i>Categories Combined</i> |           |       |       |
| Support                    | 64.14     | 64.69 | 64.71 |
| Neither support nor oppose | 26.77     | 28.95 | 27.06 |
| Oppose                     | 9.09      | 6.36  | 8.24  |

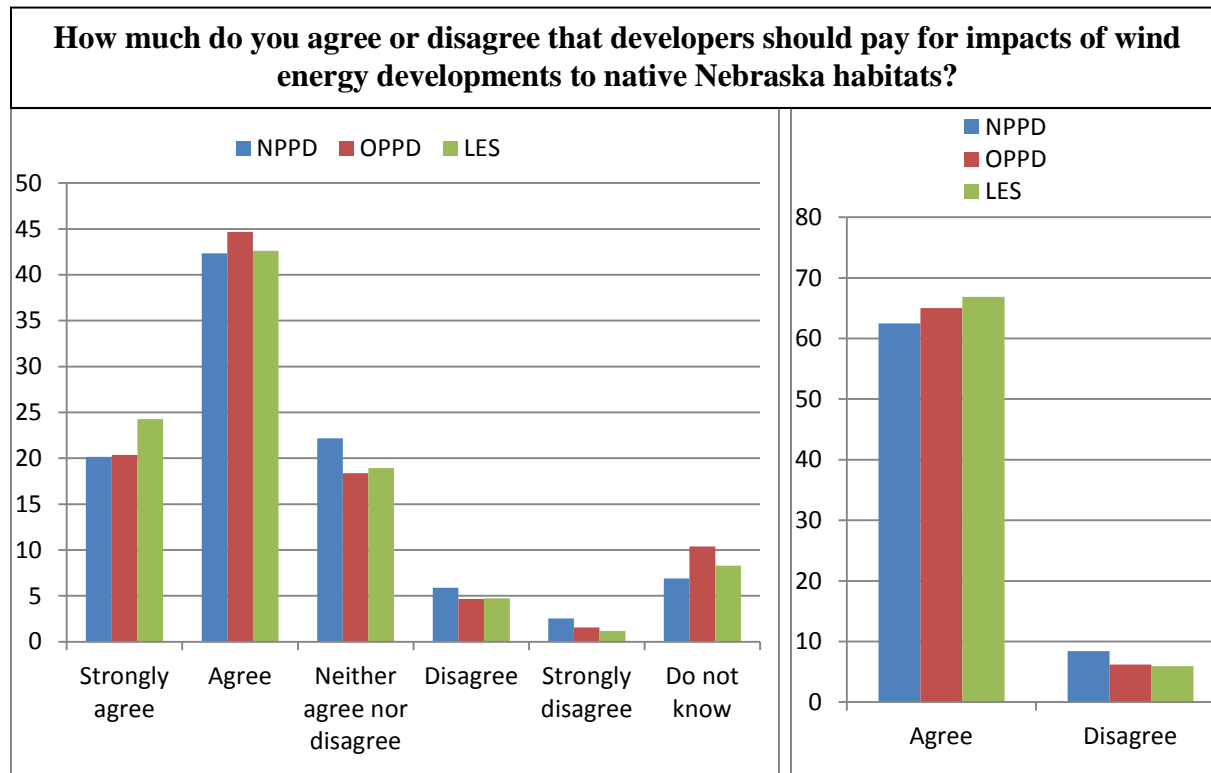
There are no significant differences in responses between NPPD, OPPD, and LES customer's support for wind energy development in remote landscapes in Nebraska ( $P = 0.593$ ).



**4. How much do you agree or disagree that developers should pay for impacts of wind energy developments to native Nebraska habitats?**

|                            | Percent % |       |       |
|----------------------------|-----------|-------|-------|
|                            | NPPD      | OPPD  | LES   |
| Strongly agree             | 20.15     | 20.35 | 24.26 |
| Agree                      | 42.35     | 44.69 | 42.60 |
| Neither agree nor disagree | 22.19     | 18.36 | 18.93 |
| Disagree                   | 5.87      | 4.65  | 4.73  |
| Strongly disagree          | 2.55      | 1.55  | 1.18  |
| Do not know                | 6.89      | 10.40 | 8.28  |
| <i>Categories Combined</i> |           |       |       |
| Agree                      | 62.50     | 65.04 | 66.86 |
| Neither agree nor disagree | 22.19     | 18.36 | 18.93 |
| Disagree                   | 8.42      | 6.19  | 5.92  |
| Do not know                | 6.89      | 10.40 | 8.28  |

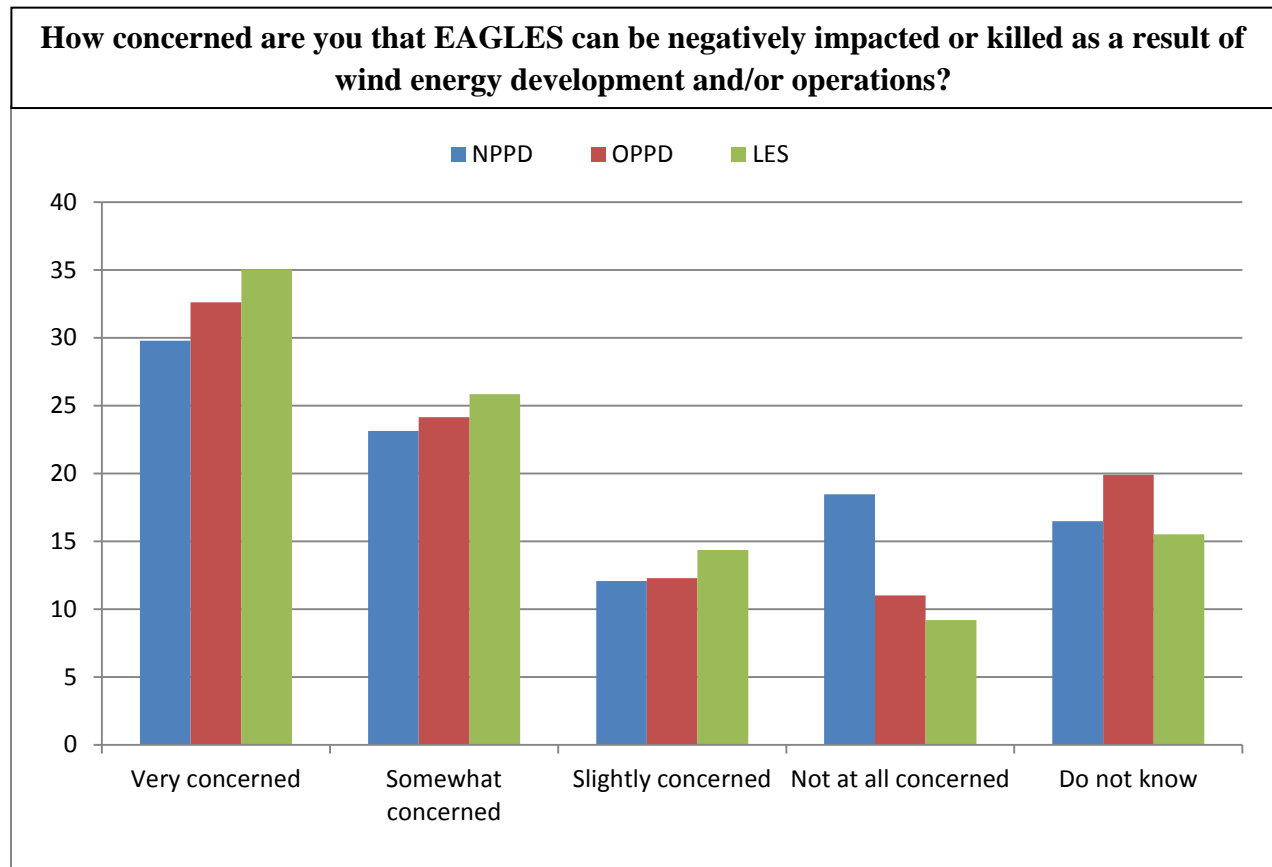
There are no significant differences in responses between NPPD, OPPD, and LES customer’s opinions about wind energy developers paying for impacts to Nebraska habitats (P = 0.209)



**5a. How concerned are you that EAGLES can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 29.80       | 32.63 | 35.06 |
| Somewhat concerned   | 23.15       | 24.15 | 25.86 |
| Slightly concerned   | 12.07       | 12.29 | 14.37 |
| Not at all concerned | 18.47       | 11.02 | 9.20  |
| Do not know          | 16.50       | 19.92 | 15.52 |

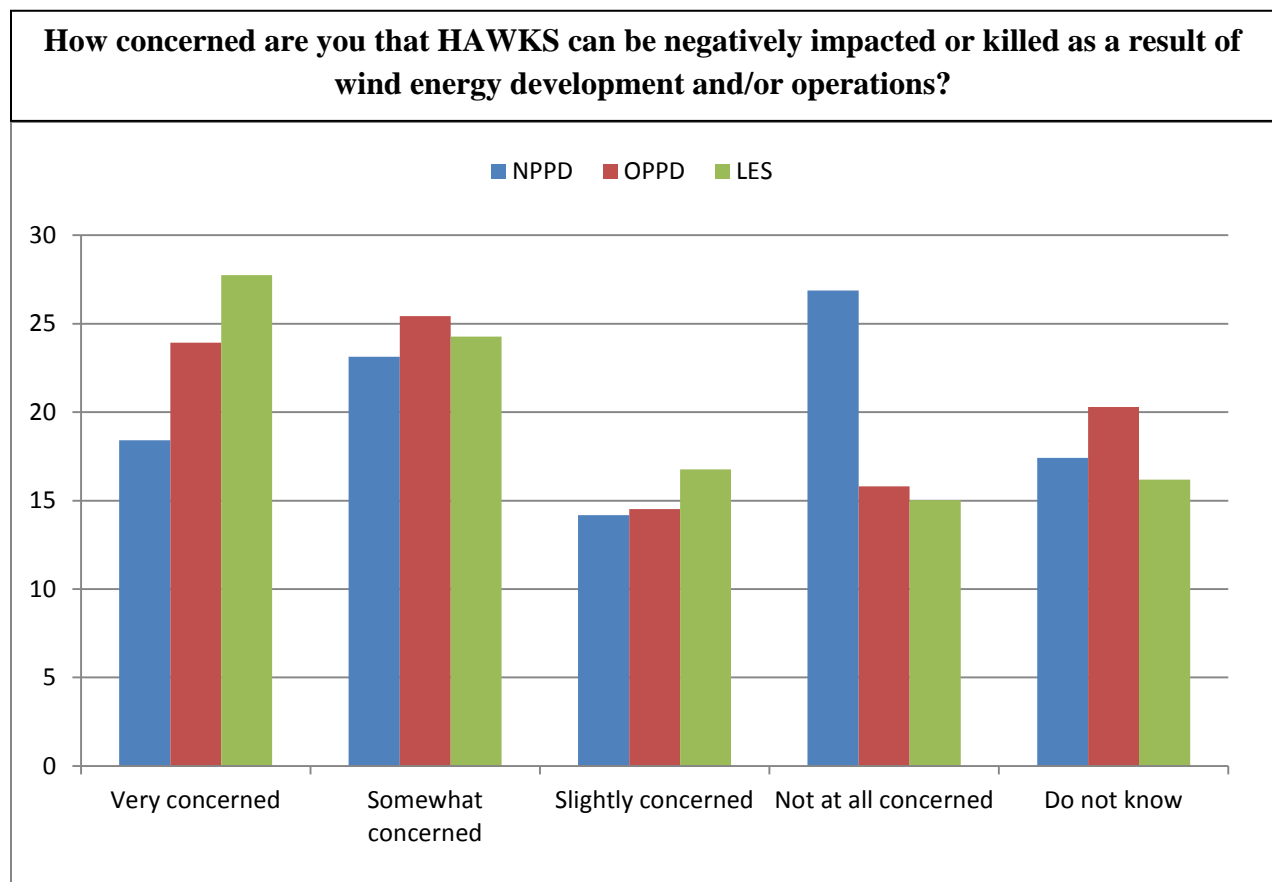
There are no significant differences in responses between LES and OPPD customer's concern level about impacts to eagles ( $P = 0.718$ ). OPPD and LES customers are more concerned than NPPD customers about impacts to eagles ( $P = 0.022$ ,  $P = 0.036$ , respectively).



**5b. How concerned are you that HAWKS can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 18.41       | 23.93 | 27.75 |
| Somewhat concerned   | 23.13       | 25.43 | 24.28 |
| Slightly concerned   | 14.18       | 14.53 | 16.76 |
| Not at all concerned | 26.87       | 15.81 | 15.03 |
| Do not know          | 17.41       | 20.30 | 16.18 |

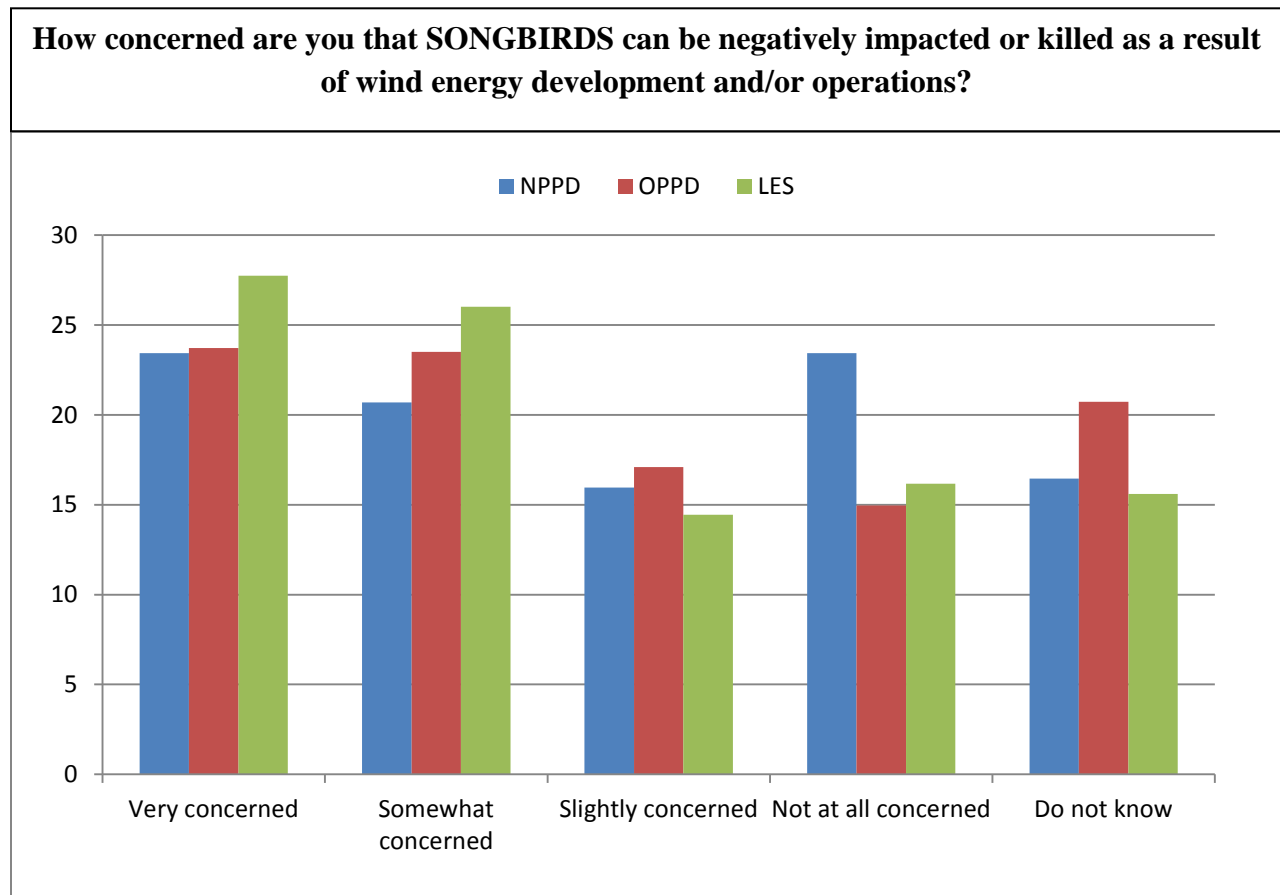
There are no significant differences in responses between LES and OPPD customer's concern level about impacts to hawks ( $P = 0.620$ ). OPPD and LES customers are more concerned than NPPD customers about impacts to hawks ( $P \leq 0.001$ ,  $P = 0.001$ , respectively).



**5c. How concerned are you that SONGBIRDS can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 23.44       | 23.72 | 27.75 |
| Somewhat concerned   | 20.70       | 23.50 | 26.01 |
| Slightly concerned   | 15.96       | 17.09 | 14.45 |
| Not at all concerned | 23.44       | 14.96 | 16.18 |
| Do not know          | 16.46       | 20.73 | 15.61 |

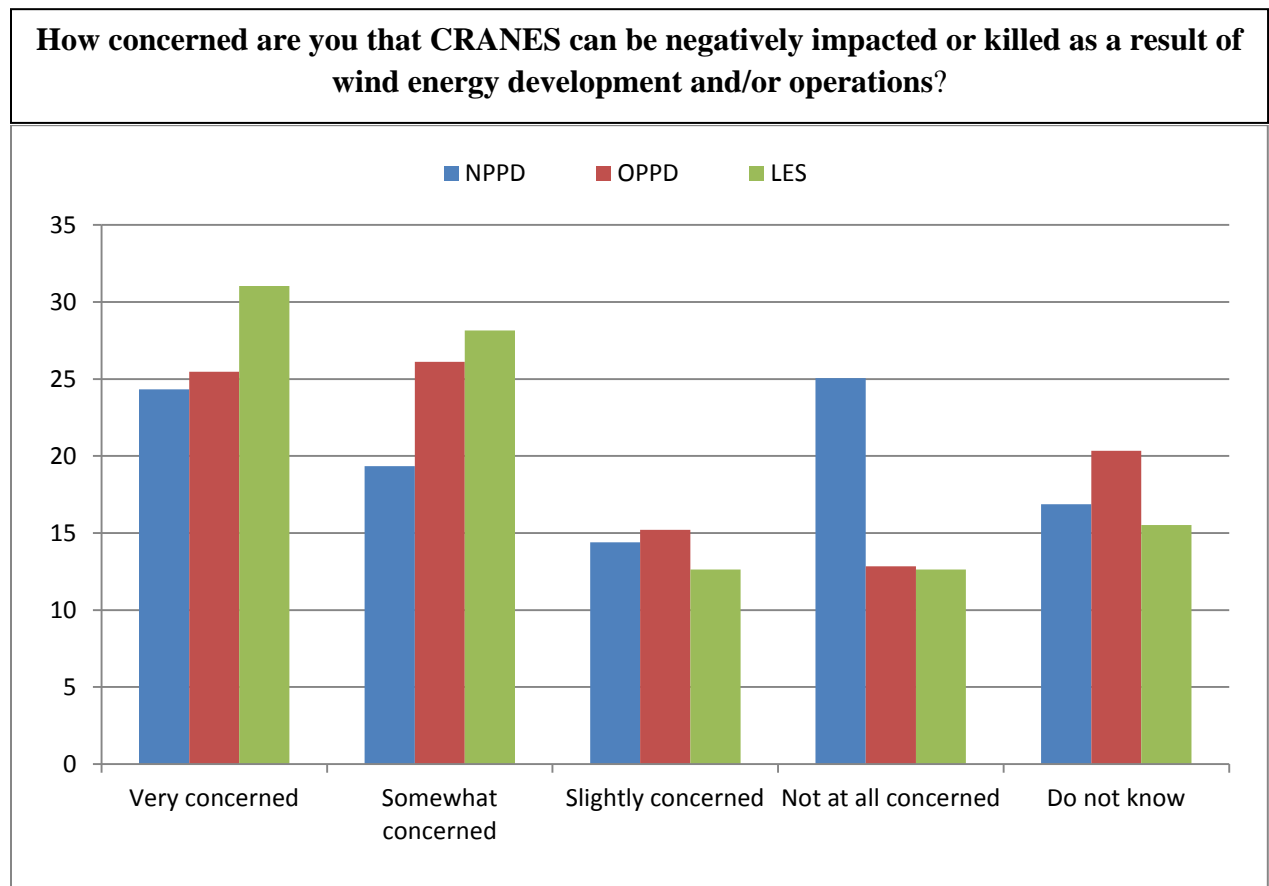
There are no significant differences in responses between NPPD, OPPD, and LES customer's concern level about impacts to songbirds ( $p = 0.052$ ).



**5d. How concerned are you that CRANES can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 24.32       | 25.48 | 31.03 |
| Somewhat concerned   | 19.35       | 26.12 | 28.16 |
| Slightly concerned   | 14.39       | 15.20 | 12.64 |
| Not at all concerned | 25.06       | 12.85 | 12.64 |
| Do not know          | 16.87       | 20.34 | 15.52 |

There are no significant differences in responses between LES and OPPD customer's concern level about impacts to cranes ( $P = 0.249$ ). OPPD and LES customers are more concerned than NPPD customers about impacts to cranes ( $P = 0.002$ ,  $P \leq 0.001$ , respectively).

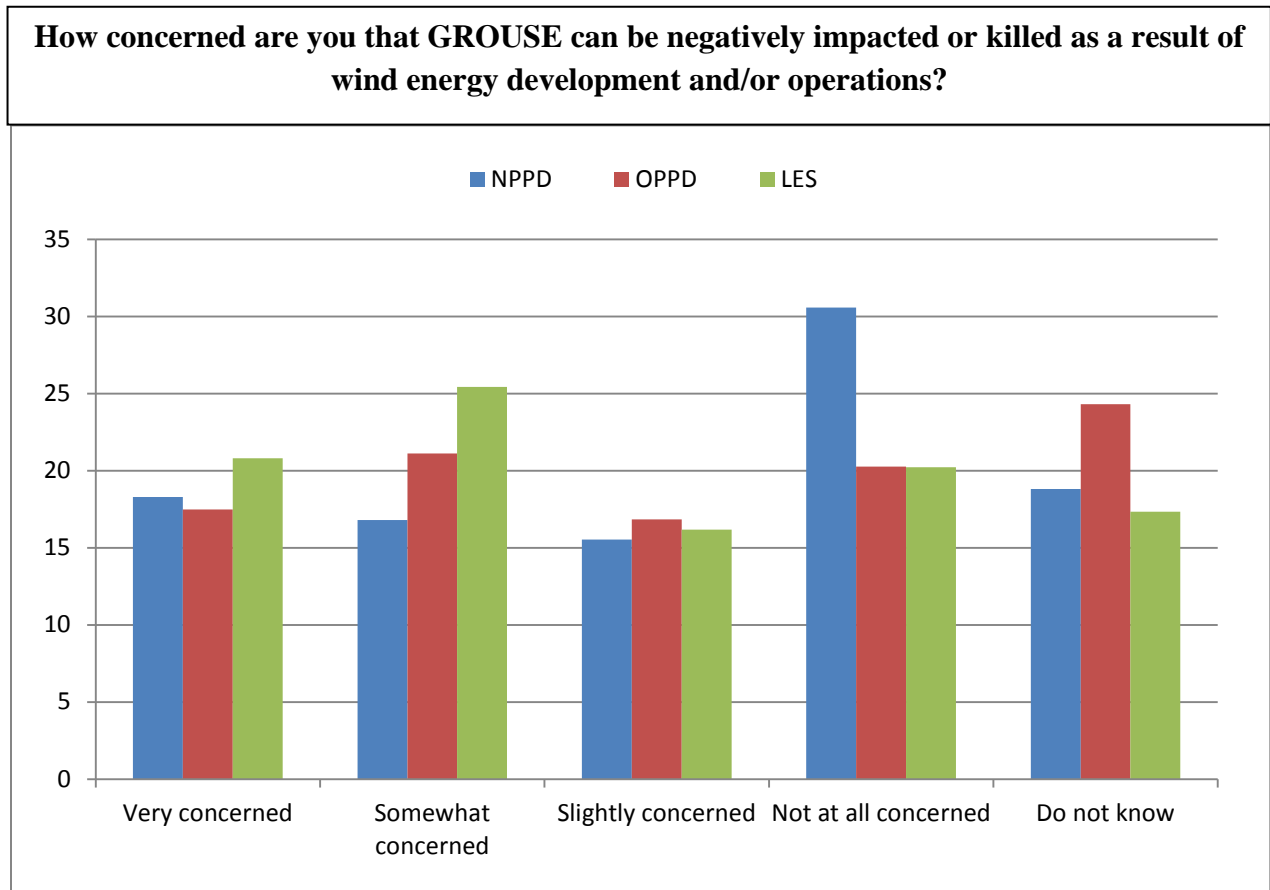




**5e. How concerned are you that GROUSE can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 18.30       | 17.48 | 20.81 |
| Somewhat concerned   | 16.79       | 21.11 | 25.43 |
| Slightly concerned   | 15.54       | 16.84 | 16.18 |
| Not at all concerned | 30.58       | 20.26 | 20.23 |
| Do not know          | 18.80       | 24.31 | 17.34 |

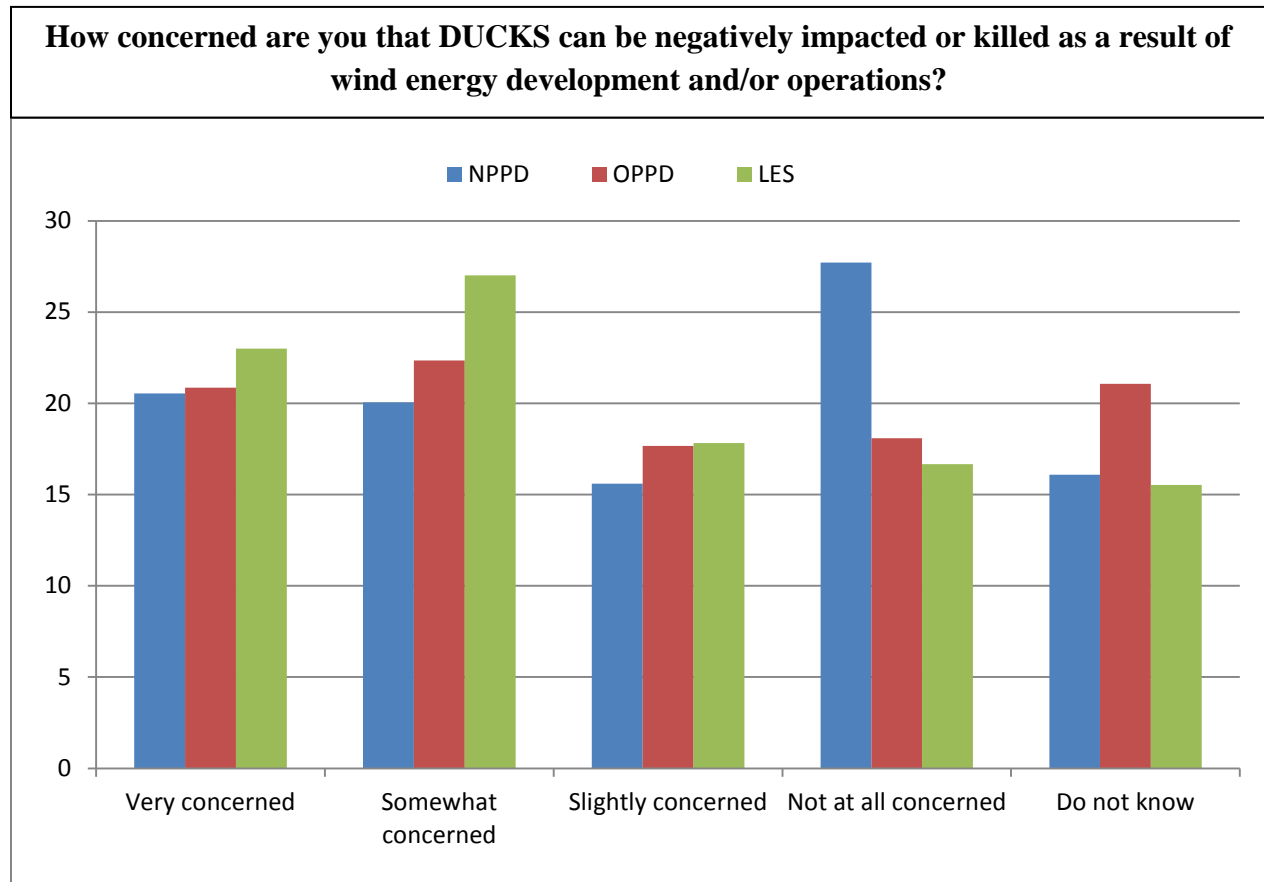
There are no significant differences in responses between LES and OPPD customer's concern level about impacts to grouse ( $P = 0.400$ ). OPPD and LES customers are more concerned than NPPD customers about impacts to grouse ( $P = 0.026$ ,  $P = 0.014$ , respectively).



**5f. How concerned are you that DUCKS can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 20.54       | 20.85 | 22.99 |
| Somewhat concerned   | 20.05       | 22.34 | 27.01 |
| Slightly concerned   | 15.59       | 17.66 | 17.82 |
| Not at all concerned | 27.72       | 18.09 | 16.67 |
| Do not know          | 16.09       | 21.06 | 15.52 |

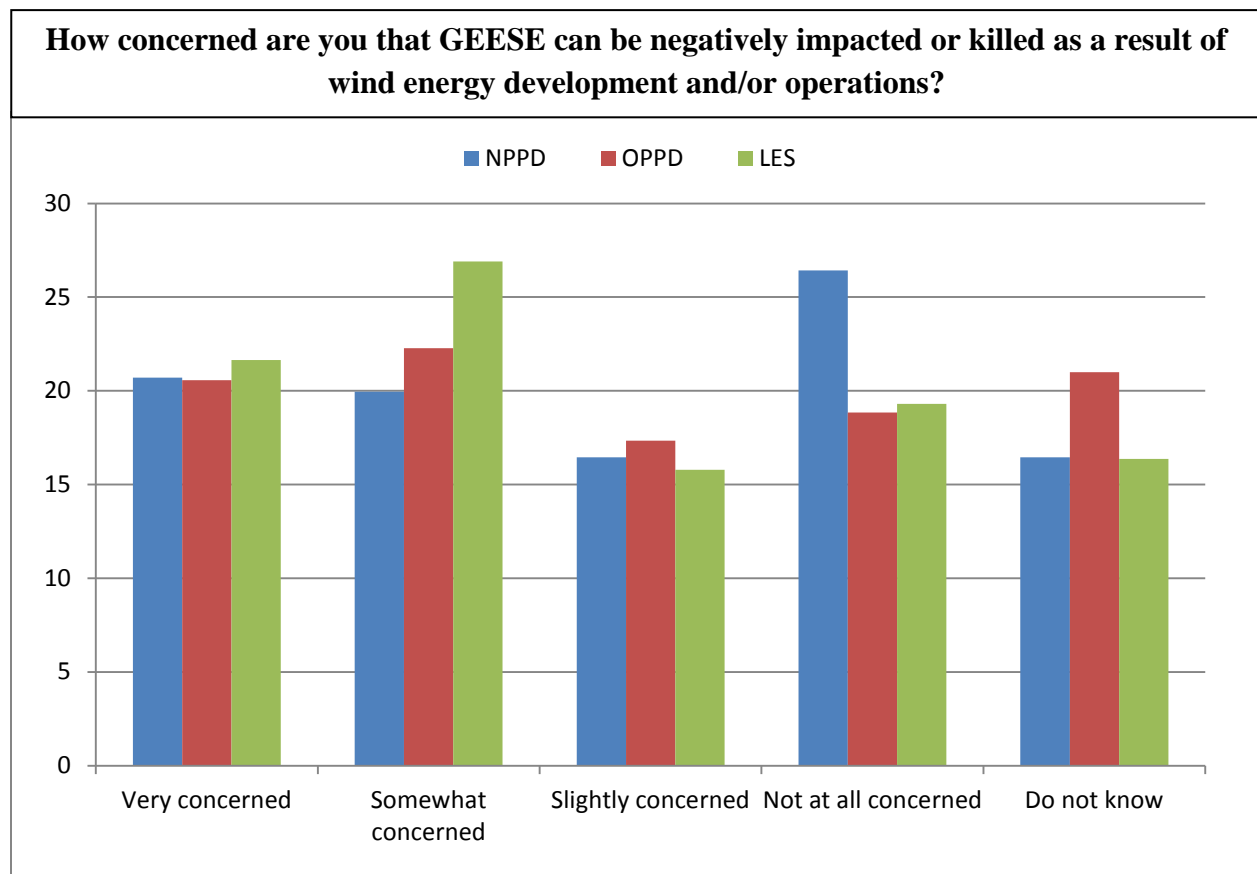
There are no significant differences in responses between LES and OPPD customer's concern level about impacts to ducks ( $P = 0.447$ ). OPPD and LES customers are more concerned than NPPD customers about impacts to ducks ( $P = 0.035$ ,  $P = 0.021$ , respectively).



**5g. How concerned are you that GEESE can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 20.70       | 20.56 | 21.64 |
| Somewhat concerned   | 19.95       | 22.27 | 26.90 |
| Slightly concerned   | 16.46       | 17.34 | 15.79 |
| Not at all concerned | 26.43       | 18.84 | 19.30 |
| Do not know          | 16.46       | 20.99 | 16.37 |

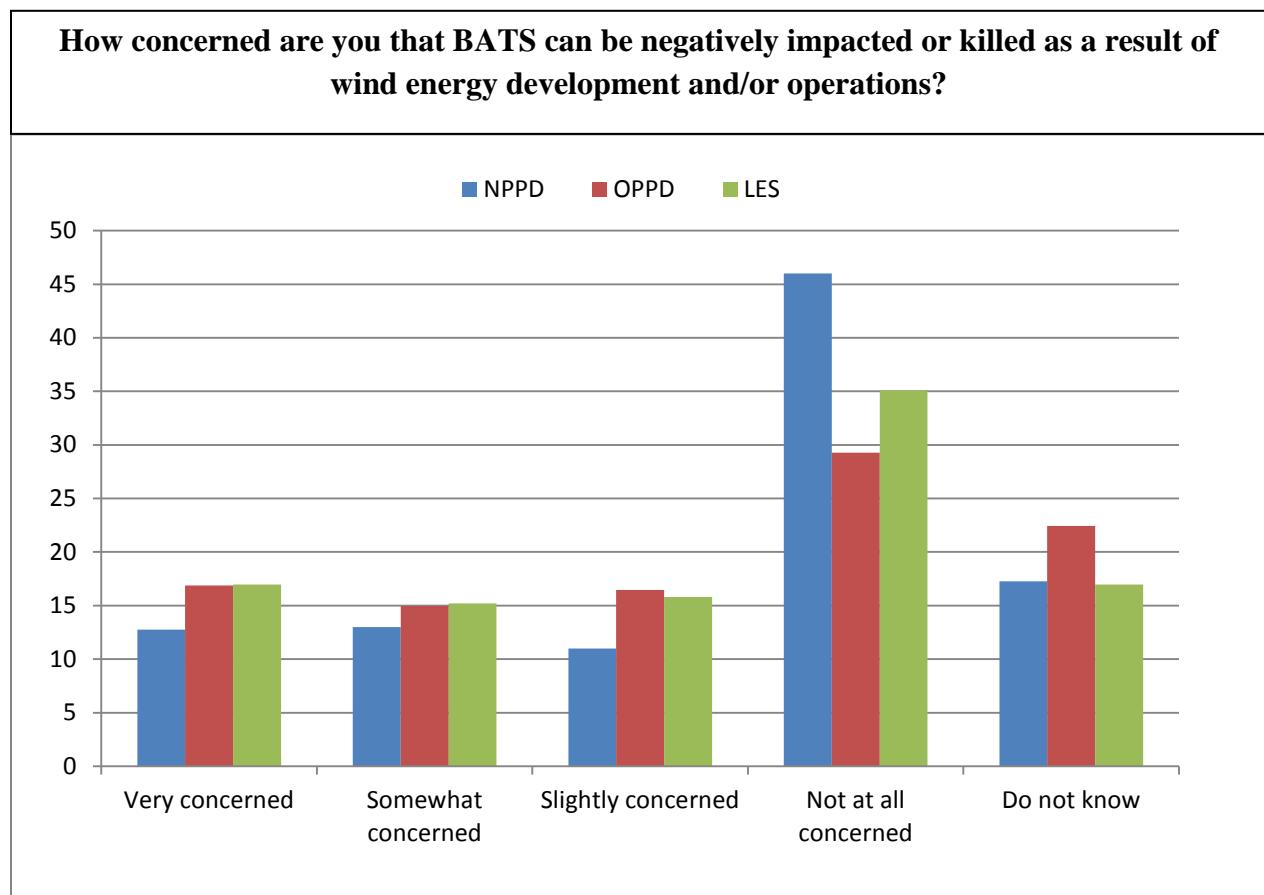
There are no significant differences in responses between NPPD, OPPD, and LES customer's concern level about impacts to geese ( $p = 0.144$ ).



**5h. How concerned are you that BATS can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 12.75       | 16.88 | 16.96 |
| Somewhat concerned   | 13.00       | 14.96 | 15.20 |
| Slightly concerned   | 11.00       | 16.45 | 15.79 |
| Not at all concerned | 46.00       | 29.27 | 35.09 |
| Do not know          | 17.25       | 22.44 | 16.96 |

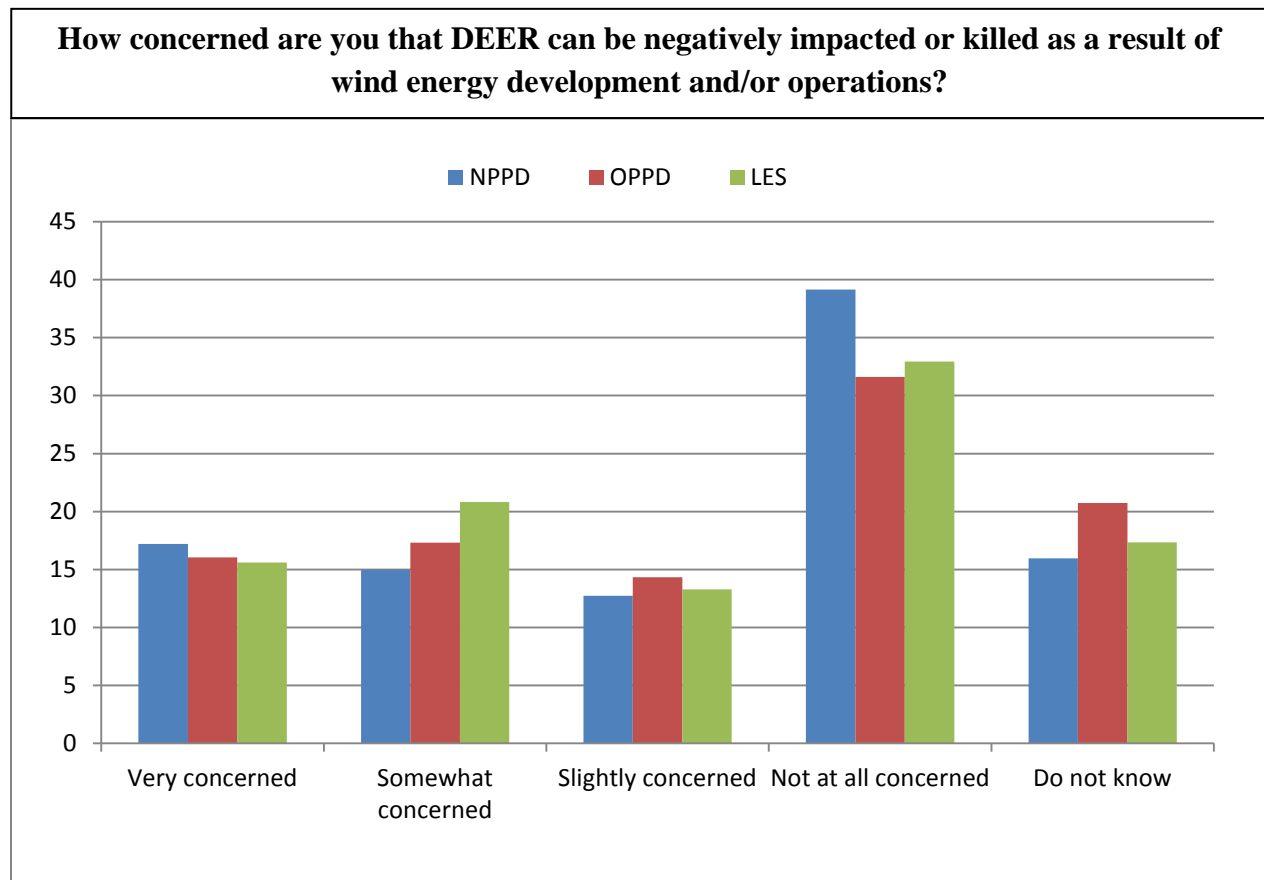
There are no significant differences in responses between LES and OPPD customer's concern level about impacts to bats ( $P = 0.449$ ). OPPD and LES customers are more concerned than NPPD customers about impacts to bats ( $P \leq 0.001$ ,  $P = 0.015$ , respectively).



**5i. How concerned are you that DEER can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 17.21       | 16.03 | 15.61 |
| Somewhat concerned   | 14.96       | 17.31 | 20.81 |
| Slightly concerned   | 12.72       | 14.32 | 13.29 |
| Not at all concerned | 39.15       | 31.62 | 32.95 |
| Do not know          | 15.96       | 20.73 | 17.34 |

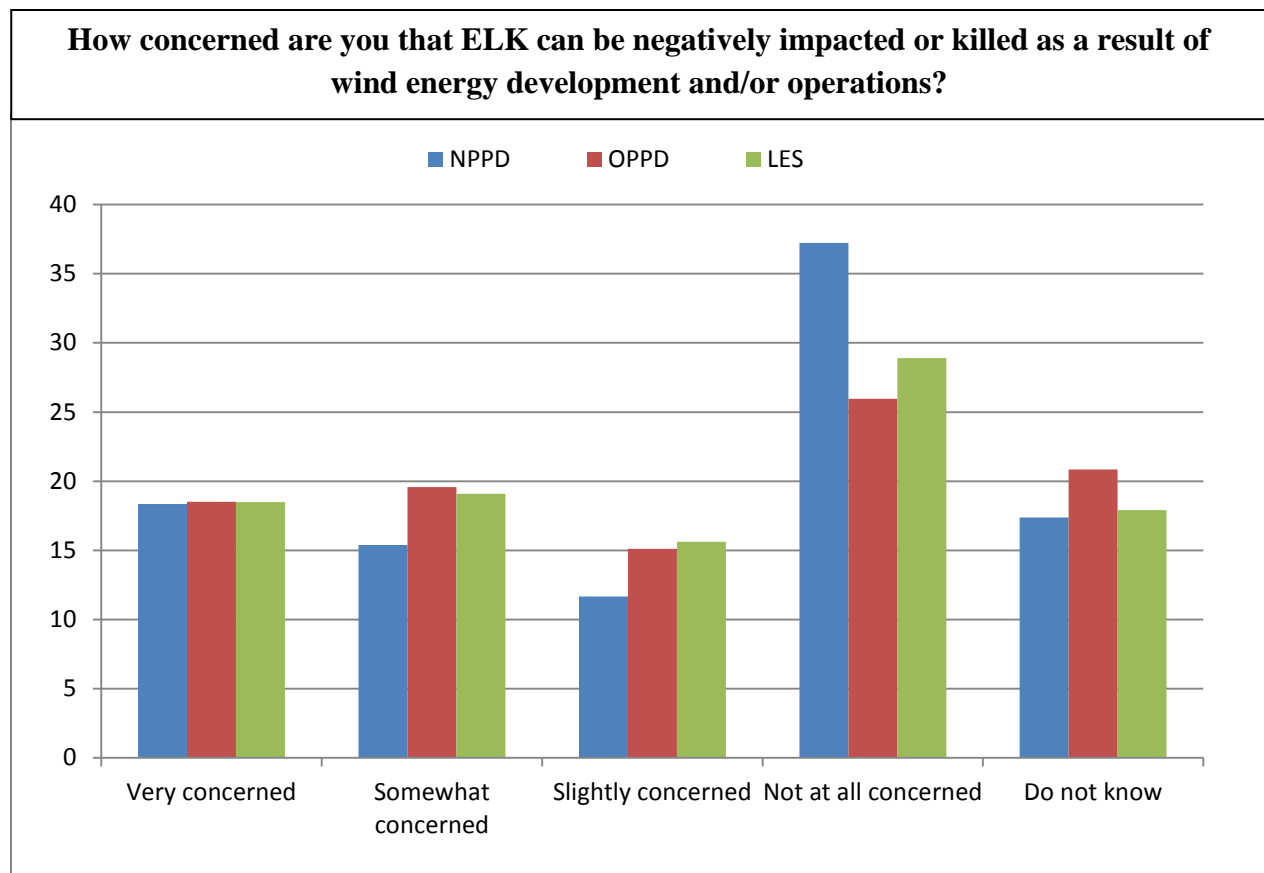
There are no significant differences in responses between NPPD, OPPD, and LES customer’s concern level about impacts to deer ( $p = 0.383$ ).



**5j. How concerned are you that ELK can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 18.36       | 18.51 | 18.50 |
| Somewhat concerned   | 15.38       | 19.57 | 19.08 |
| Slightly concerned   | 11.66       | 15.11 | 15.61 |
| Not at all concerned | 37.22       | 25.96 | 28.90 |
| Do not know          | 17.37       | 20.85 | 17.92 |

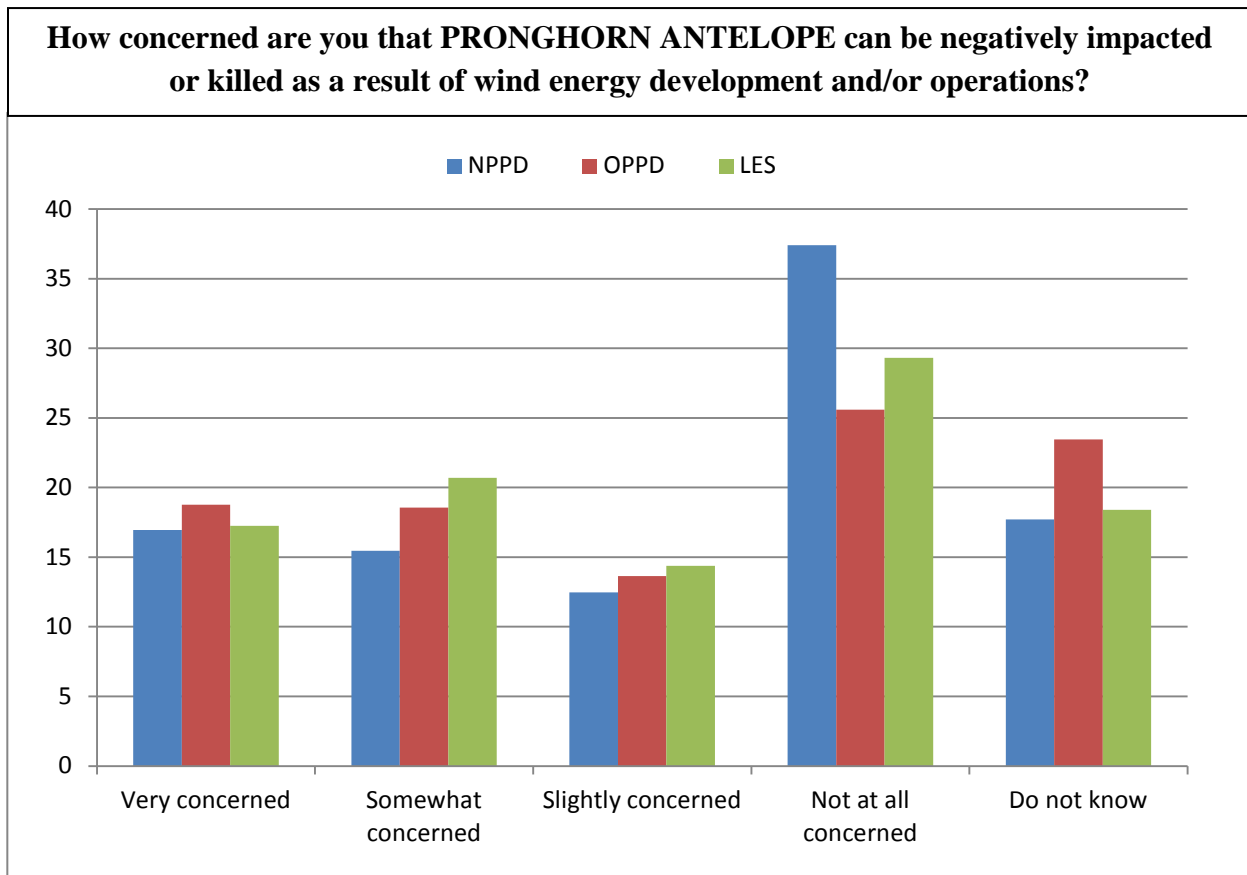
There are no significant differences in responses between LES and OPPD or LES and NPPD customer's concern level about impacts to elk ( $P = 0.625$ ,  $P = 0.170$ , respectively). OPPD customers are more concerned than NPPD customers about impacts to elk ( $P = 0.015$ ).



**5k. How concerned are you that PRONGHORN ANTELOPE can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 16.96       | 18.76 | 17.24 |
| Somewhat concerned   | 15.46       | 18.55 | 20.69 |
| Slightly concerned   | 12.47       | 13.65 | 14.37 |
| Not at all concerned | 37.41       | 25.59 | 29.31 |
| Do not know          | 17.71       | 23.45 | 18.39 |

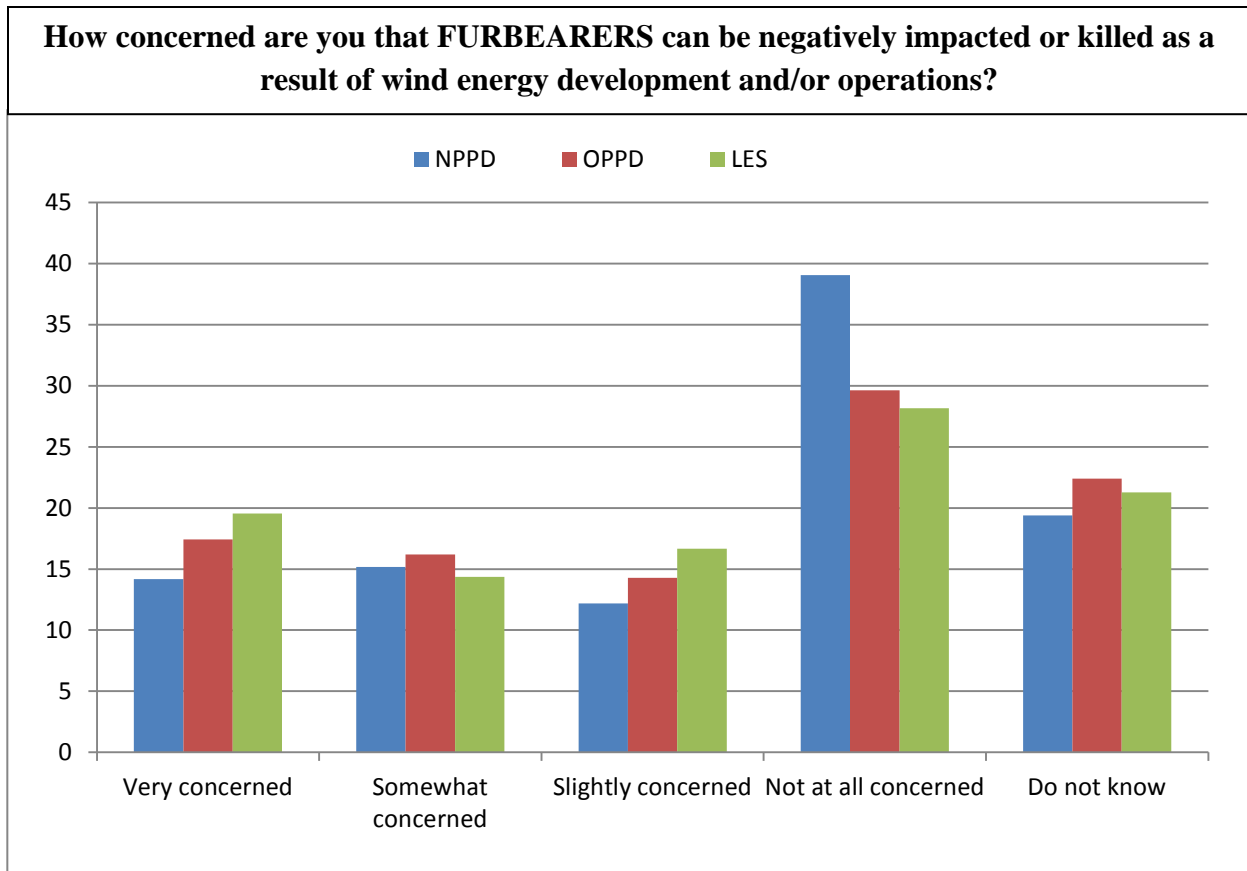
There are no significant differences in responses between LES and OPPD or LES and NPPD customer's concern level about impacts to pronghorn antelope ( $P = 0.482$ ,  $P = 0.128$ , respectively). OPPD customers are more concerned than NPPD customers about impacts to pronghorn antelope ( $P = 0.004$ ).



**5l. How concerned are you that FURBEARERS can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 14.18       | 17.43 | 19.54 |
| Somewhat concerned   | 15.17       | 16.20 | 14.37 |
| Slightly concerned   | 12.19       | 14.29 | 16.67 |
| Not at all concerned | 39.05       | 29.64 | 28.16 |
| Do not know          | 19.40       | 22.39 | 21.26 |

There are no significant differences in responses between LES and OPPD customer's concern level about impacts to furbearers ( $P = 0.688$ ). OPPD and LES customers are more concerned than NPPD customers about impacts to furbearers ( $P = 0.011$ ,  $P = 0.020$ , respectively).

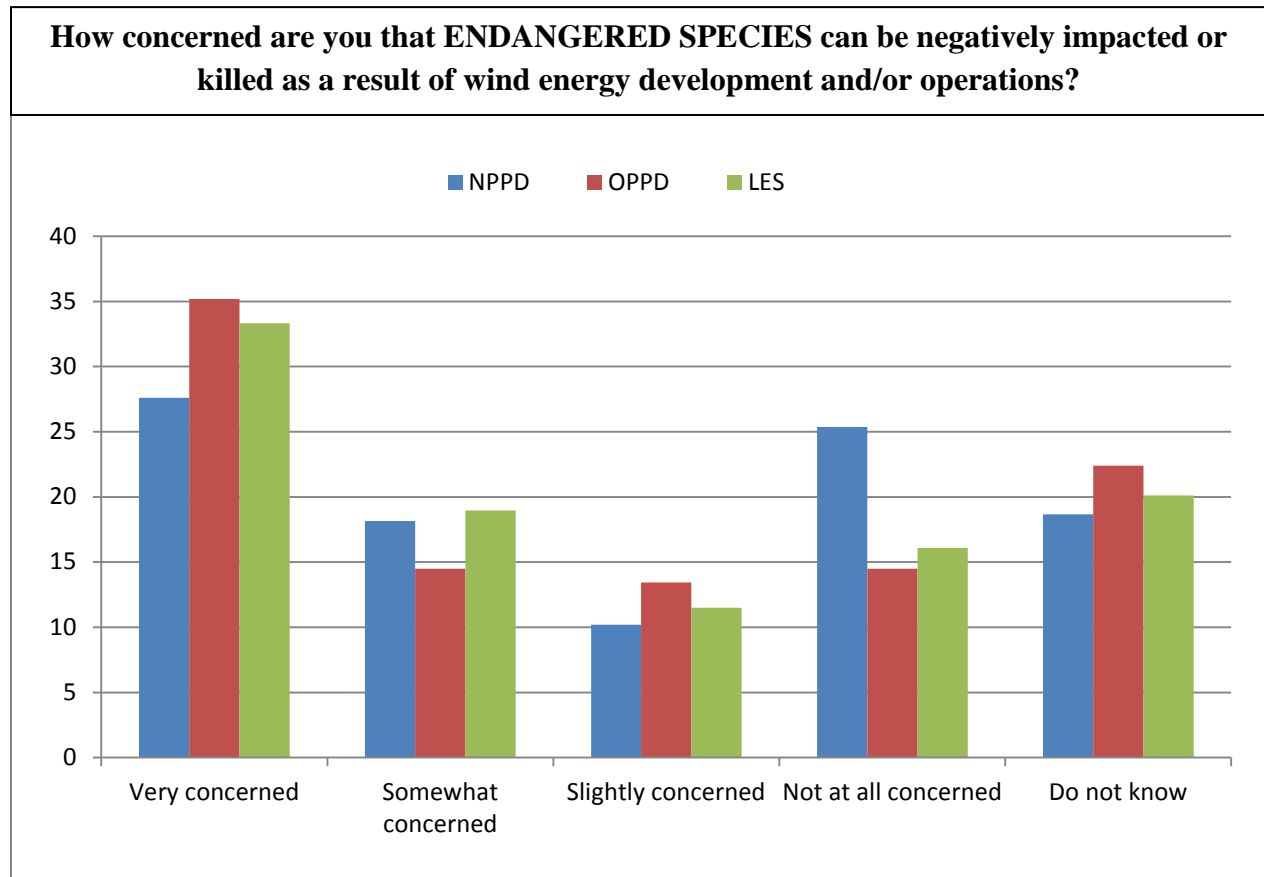




**5m. How concerned are you that ENDANGERED SPECIES can be negatively impacted or killed as a result of wind energy development and/or operations?**

|                      | Percent (%) |       |       |
|----------------------|-------------|-------|-------|
|                      | NPPD        | OPPD  | LES   |
| Very concerned       | 27.61       | 35.18 | 33.33 |
| Somewhat concerned   | 18.16       | 14.50 | 18.97 |
| Slightly concerned   | 10.20       | 13.43 | 11.49 |
| Not at all concerned | 25.37       | 14.50 | 16.09 |
| Do not know          | 18.66       | 22.39 | 20.11 |

There are no significant differences in responses between LES and NPPD customer's concern level about impacts to endangered species ( $P = 0.688$ ). OPPD customers are more concerned than NPPD and LES customers about impacts to endangered species ( $P \leq 0.001$ ,  $P \leq 0.001$ , respectively).



## Appendix A

Public Power District (PPD), number of survey responses (frequency), and percentage of responses from each county in Nebraska for this analysis.

| <b>PPD</b> | <b>County</b> | <b>Frequency</b> | <b>Percentage</b> |
|------------|---------------|------------------|-------------------|
| NPPD       | Adams         | 14               | 1.31              |
| NPPD       | Antelope      | 2                | 0.19              |
| NPPD       | Arthur        | 0                | 0.00              |
| NPPD       | Banner        | 0                | 0.00              |
| NPPD       | Blaine        | 0                | 0.00              |
| NPPD       | Boone         | 1                | 0.09              |
| NPPD       | Box Butte     | 0                | 0.00              |
| NPPD       | Boyd          | 0                | 0.00              |
| NPPD       | Brown         | 0                | 0.00              |
| NPPD       | Buffalo       | 23               | 2.16              |
| NPPD       | Butler        | 5                | 0.47              |
| NPPD       | Cedar         | 0                | 0.00              |
| NPPD       | Chase         | 0                | 0.00              |
| NPPD       | Cherry        | 0                | 0.00              |
| NPPD       | Cheyenne      | 7                | 0.66              |
| NPPD       | Clay          | 3                | 0.28              |
| NPPD       | Cuming        | 2                | 0.19              |
| NPPD       | Custer        | 6                | 0.56              |
| NPPD       | Dakota        | 9                | 0.84              |
| NPPD       | Dawes         | 7                | 0.66              |
| NPPD       | Dawson        | 7                | 0.66              |
| NPPD       | Deuel         | 2                | 0.19              |
| NPPD       | Dixon         | 5                | 0.47              |
| NPPD       | Dundy         | 1                | 0.09              |
| NPPD       | Fillmore      | 0                | 0.00              |
| NPPD       | Franklin      | 2                | 0.19              |
| NPPD       | Frontier      | 0                | 0.00              |
| NPPD       | Furnas        | 0                | 0.00              |
| NPPD       | Gage          | 1                | 0.09              |
| NPPD       | Garden        | 1                | 0.09              |
| NPPD       | Garfield      | 0                | 0.00              |
| NPPD       | Gosper        | 4                | 0.37              |
| NPPD       | Grant         | 0                | 0.00              |
| NPPD       | Greeley       | 2                | 0.19              |
| NPPD       | Hall          | 22               | 2.06              |
| NPPD       | Hamilton      | 6                | 0.56              |
| NPPD       | Harlan        | 2                | 0.19              |
| NPPD       | Hayes         | 1                | 0.09              |
| NPPD       | Hitchcock     | 3                | 0.28              |

|      |              |     |       |
|------|--------------|-----|-------|
| NPPD | Holt         | 1   | 0.09  |
| NPPD | Hooker       | 2   | 0.19  |
| NPPD | Howard       | 17  | 1.59  |
| NPPD | Jefferson    | 21  | 1.97  |
| NPPD | Kearney      | 3   | 0.28  |
| NPPD | Keith        | 0   | 0.00  |
| NPPD | Keya Paha    | 0   | 0.00  |
| NPPD | Kimball      | 0   | 0.00  |
| NPPD | Knox         | 9   | 0.84  |
| NPPD | Lincoln      | 25  | 2.34  |
| NPPD | Logan        | 0   | 0.00  |
| NPPD | Loup         | 2   | 0.19  |
| NPPD | Madison      | 0   | 0.00  |
| NPPD | McPherson    | 2   | 0.19  |
| NPPD | Merrick      | 30  | 2.81  |
| NPPD | Morrill      | 1   | 0.09  |
| NPPD | Nance        | 6   | 0.56  |
| NPPD | Nuckolls     | 1   | 0.09  |
| NPPD | Perkins      | 7   | 0.66  |
| NPPD | Phelps       | 10  | 0.94  |
| NPPD | Pierce       | 9   | 0.84  |
| NPPD | Platte       | 6   | 0.56  |
| NPPD | Polk         | 18  | 1.69  |
| NPPD | Red Willow   | 9   | 0.84  |
| NPPD | Rock         | 2   | 0.19  |
| NPPD | Saline       | 1   | 0.09  |
| NPPD | Scotts Bluff | 22  | 2.06  |
| NPPD | Seward       | 9   | 0.84  |
| NPPD | Sheridan     | 2   | 0.19  |
| NPPD | Sherman      | 5   | 0.47  |
| NPPD | Sioux        | 13  | 1.22  |
| NPPD | Stanton      | 4   | 0.37  |
| NPPD | Thayer       | 16  | 1.50  |
| NPPD | Thomas       | 0   | 0.00  |
| NPPD | Thurston     | 1   | 0.09  |
| NPPD | Valley       | 3   | 0.28  |
| NPPD | Wayne        | 12  | 1.12  |
| NPPD | Webster      | 4   | 0.37  |
| NPPD | Wheeler      | 2   | 0.19  |
| NPPD | York         | 12  | 1.12  |
| OPPD | Burt         | 0   | 0.00  |
| OPPD | Cass         | 7   | 0.66  |
| OPPD | Colfax       | 6   | 0.56  |
| OPPD | Dodge        | 26  | 2.44  |
| OPPD | Douglas      | 260 | 24.37 |

|      |            |     |       |
|------|------------|-----|-------|
| OPPD | Johnson    | 2   | 0.19  |
| OPPD | Nemaha     | 6   | 0.56  |
| OPPD | Otoe       | 0   | 0.00  |
| OPPD | Pawnee     | 3   | 0.28  |
| OPPD | Richardson | 6   | 0.56  |
| OPPD | Sarpy      | 107 | 10.03 |
| OPPD | Saunders   | 31  | 2.91  |
| OPPD | Washington | 12  | 1.12  |
| LES  | Lancaster  | 176 | 16.49 |

## Appendices B-D

A two-page handout with results for each Public Power District can be found on the following pages. For a pdf for a specific PPD go to:

<http://snr.unl.edu/renewableenergy/wind/research.asp#surveys>



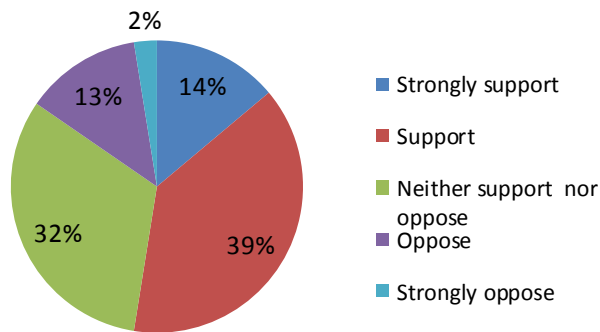
# Nebraska Public Power District

## 2013 Wind Energy & Wildlife Survey Results

The Nebraska Wind Energy and Wildlife Project submitted five questions to the 2013 Nebraska Annual Social Indicators Survey (NASIS).

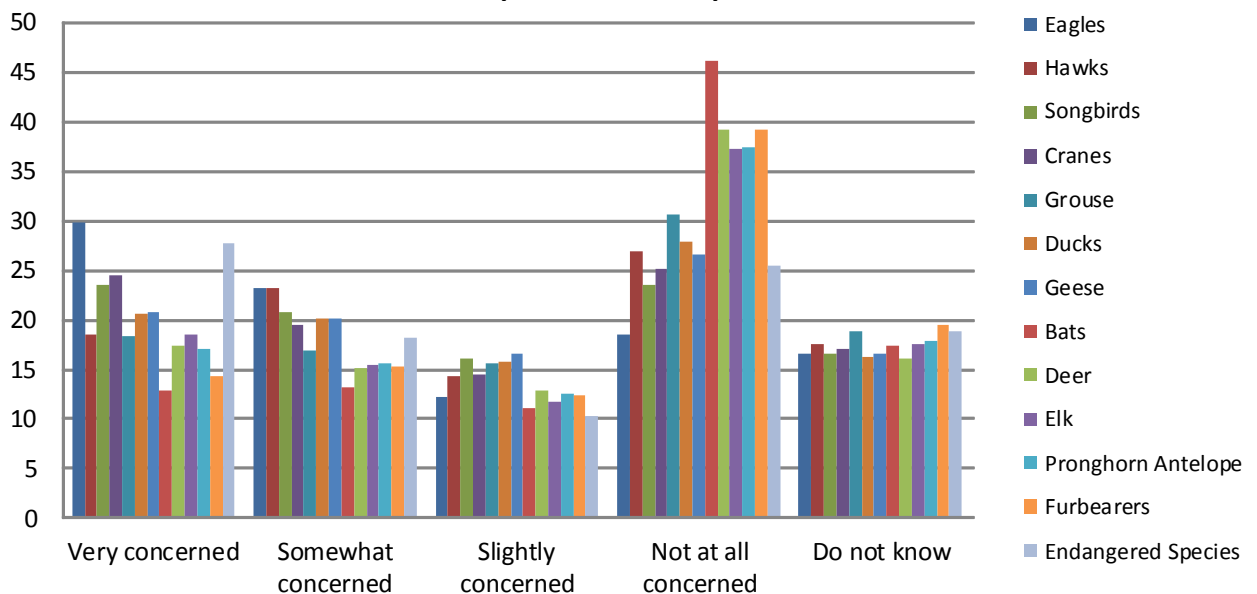
- 1059 Nebraskans responded to the survey
- 39% were residents in the Nebraska Public Power District (NPPD) service area
- All results listed in this handout are from NPPD residents

**How much would you support or oppose regulations in Nebraska that would require wind energy development and operation to minimize impacts to wildlife?**



- 53% of NPPD respondents would support or strongly support regulations in Nebraska that would require wind energy facility development and operation to minimize impacts to wildlife
- 15% would oppose or strongly oppose such regulations

**How concerned are you that each of the following types of wildlife listed below can be negatively impacted or killed as a result of wind energy development and/or operations?**

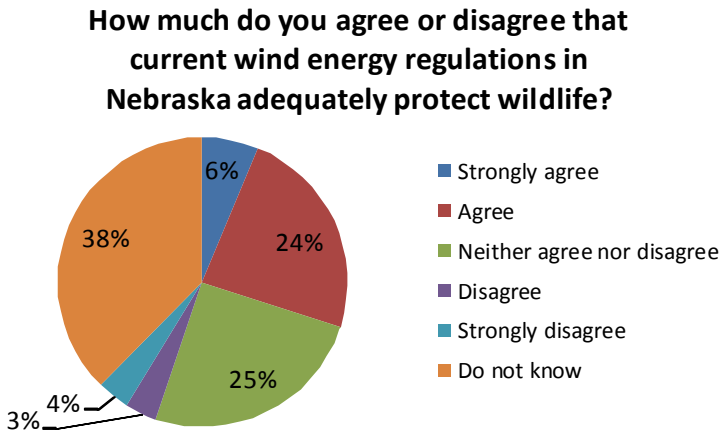
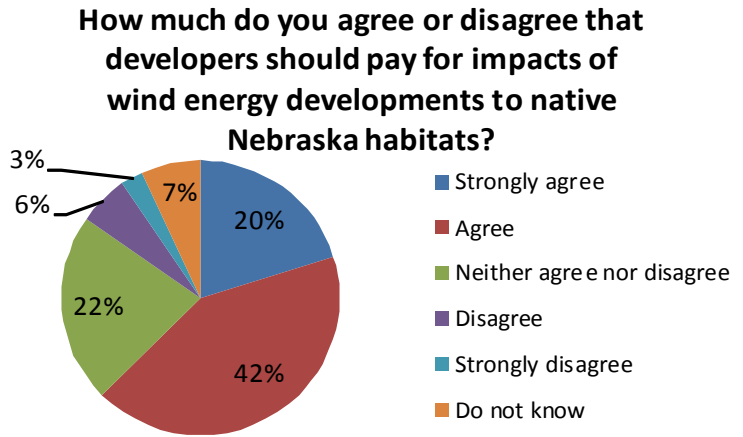




# Nebraska Public Power District

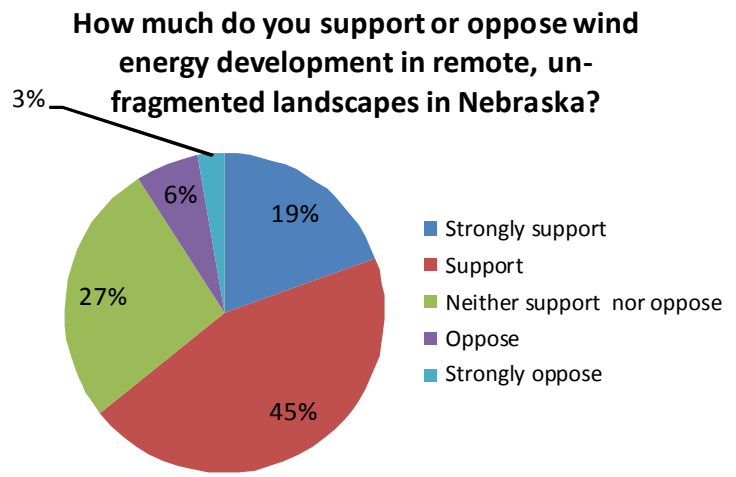
## 2013 Wind Energy & Wildlife Survey Results

- 62% of NPPD respondents agree or strongly agree that developers should pay for impacts
- 9% disagree or strongly disagree



- 30% of NPPD respondents agree or strongly agree that current regulations adequately protect wildlife
- 7% disagree or strongly disagree
- 38% do not know

- 64% of NPPD respondents support or strongly support the development of wind energy in remote landscapes
- 9% oppose or strongly oppose



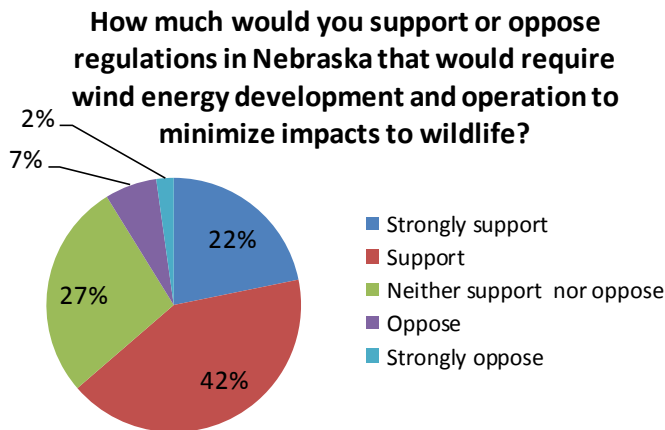


# Omaha Public Power District

## 2013 Wind Energy & Wildlife Survey Results

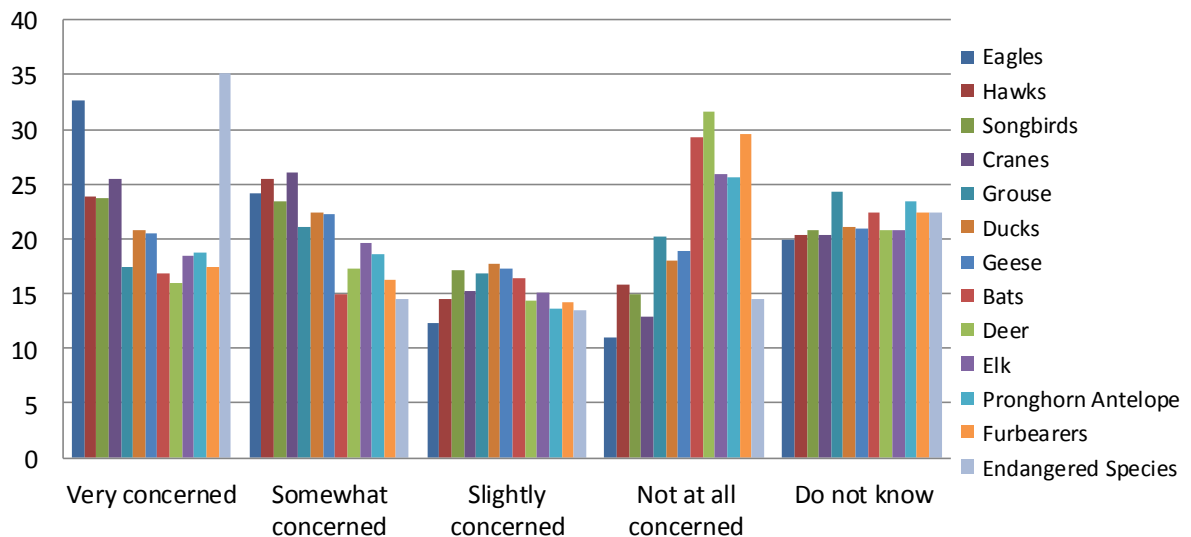
The Nebraska Wind Energy and Wildlife Project submitted five questions to the 2013 Nebraska Annual Social Indicators Survey (NASIS).

- 1059 Nebraskans responded to the survey
- 45% were residents in the Omaha Public Power District (OPPD) service area
- All results listed in this handout are from OPPD residents



- 64% of OPPD respondents would support or strongly support regulations in Nebraska that would require wind energy facility development and operation to minimize impacts to wildlife
- 9% would oppose or strongly oppose such regulations

**How concerned are you that each of the following types of wildlife listed below can be negatively impacted or killed as a result of wind energy development and/or operations?**





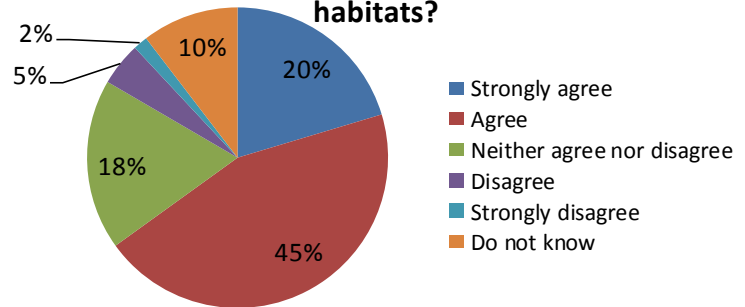


# Omaha Public Power District

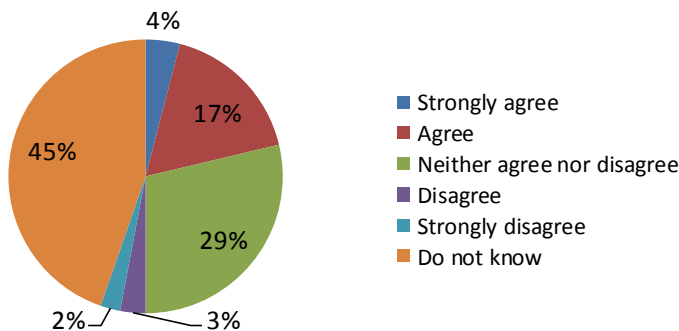
## 2013 Wind Energy & Wildlife Survey Results

- 65% of OPPD respondents agree or strongly agree that developers should pay for impacts
- 7% disagree or strongly disagree

### How much do you agree or disagree that developers should pay for impacts of wind energy developments to native Nebraska habitats?



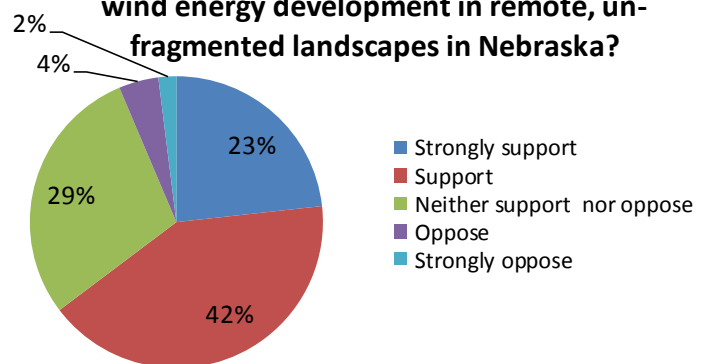
### How much do you agree or disagree that current wind energy regulations in Nebraska adequately protect wildlife?



- 46% of OPPD respondents agree or strongly agree that current regulations adequately protect wildlife
- 5% disagree or strongly disagree
- 45% do not know

- 65% of OPPD respondents support or strongly support the development of wind energy in remote landscapes
- 6% oppose or strongly oppose

### How much do you support or oppose wind energy development in remote, unfragmented landscapes in Nebraska?





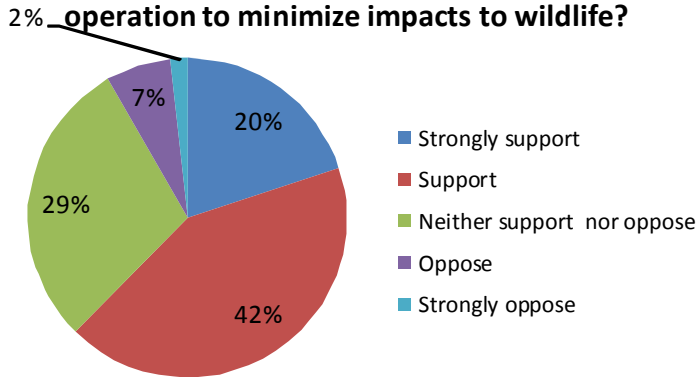
# Lincoln Electric System

## 2013 Wind Energy & Wildlife Survey Results

The Nebraska Wind Energy and Wildlife Project submitted five questions to the 2013 Nebraska Annual Social Indicators Survey (NASIS).

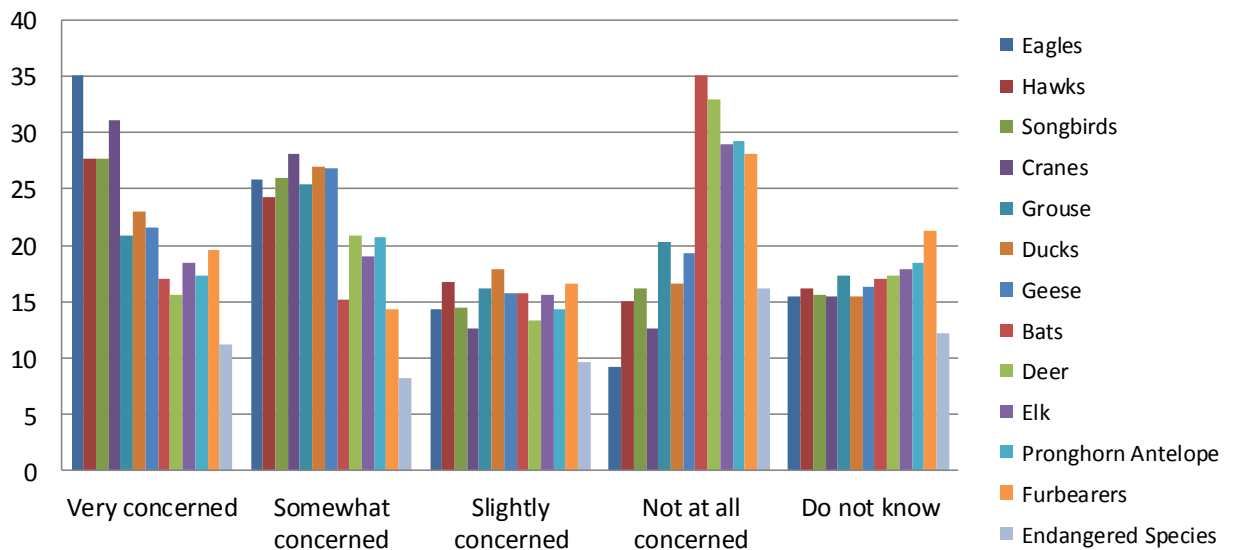
- 1059 Nebraskans responded to the survey
- 17% were residents in the Lincoln Electric System (LES) service area
- All results listed in this handout are from LES residents

**How much would you support or oppose regulations in Nebraska that would require wind energy development and operation to minimize impacts to wildlife?**



- 62% of LES respondents would support or strongly support regulations in Nebraska that would require wind energy facility development and operation to minimize impacts to wildlife
- 9% would oppose or strongly oppose such regulations

**How concerned are you that each of the following types of wildlife listed below can be negatively impacted or killed as a result of wind energy development and/or operations?**

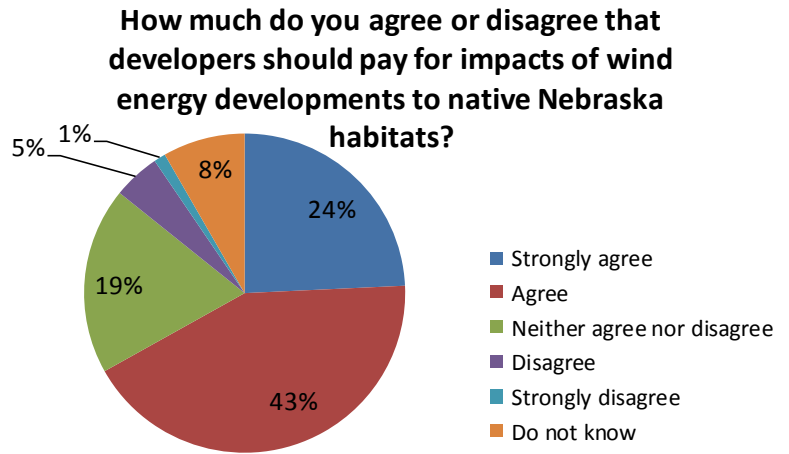




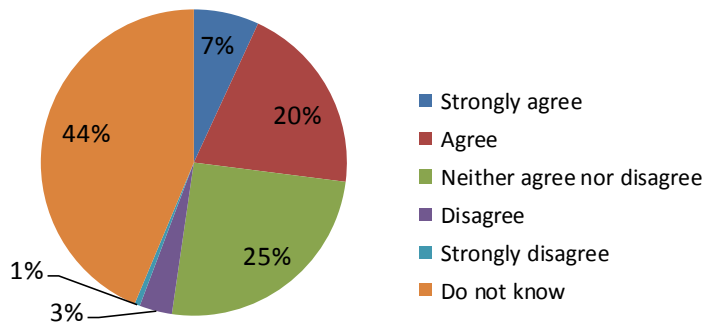
# Lincoln Electric System

## 2013 Wind Energy & Wildlife Survey Results

- 67% of LES respondents agree or strongly agree that developers should pay for impacts
- 6% disagree or strongly disagree



**How much do you agree or disagree that current wind energy regulations in Nebraska adequately protect wildlife?**



- 27% of LES respondents agree or strongly agree that current regulations adequately protect wildlife
- 4% disagree or strongly disagree
- 44% do not know

- 65% of LES respondents support or strongly support the development of wind energy in remote landscapes
- 8% oppose or strongly oppose

