**Theme: Social Impacts**
**ID Letter: X**

**Original Questions**

1. Have any of the panelists ever read the "living with turbines" blog about the family in DeKalb, IL? If so, what do they conclude it's like living within close proximity of industrial energy facilities? See response below.
2. Have they offered to arrange for local people to visit and talk with folks who actually live with a wind farm comparable to the proposed wind farm? Has anyone who has offered an opinion, or taken a position either pro or con, actually stood under a 500 foot turbine, observed a landscape with comparable ratios of population density and turbine numbers, or visited? Project specific.
3. Can AES or MAP find similar wind projects that have similar densities of turbines per square mile, as well as residents per square mile, and determine what impacts on those residents have taken place, i.e. survey/study? Project specific.
4. What are impacts on homes that are 1/4 mile away from active turbines in a variety of wind speeds and weather conditions? Look at Health and safety, property values, because there is a range of impacts. See response below.
5. What are the environmental and social impacts of large wind farms? See response below.
6. Do industrial wind turbines create television interference? See response below.

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**Questions and Responses**

*These questions may have been recategorized and reorganized. Some may have been sent to another "theme" area (this will have been explained in red under the "Original Questions" section). In other cases two or more questions will be answered with one response.*

X1. Have any of the panelists ever read the "living with turbines" blog about the family in DeKalb, IL? If so, what do they conclude it's like living within close proximity of industrial energy facilities?

**Response:** There are many testimonials available on the internet describing what it is like to live near wind turbines. Individual experiences vary, and have been reported to be both positive and negative. For more information, see the "Health and Safety" thematic section of this report.

X4. What are impacts on homes that are 1/4 mile away from active turbines in a variety of wind speeds and weather conditions?

**Response:** The impact on homes that are ¼ mile away from turbines is site specific and varies greatly by the terrain of the land, the size and model of the turbine, and the siting of the turbine. Therefore, there is a very large range of potential impacts. For more specific information, see the "Property Values" and "Health and Safety" thematic sections of this report.

X5. What are the environmental and social impacts of large wind farms?

**Response:** A comprehensive response to this question is beyond the scope of this project. There is a very large range of potential environmental and social impacts from large wind farms. These impacts are both very broad in scope and very site specific – depending upon the siting of the farm, mitigation strategies that were utilized, the local environment, etc. Additionally, these impacts can be both positive and negative for the host community. To read a comprehensive study of the environmental and social impacts of utility scale wind, see the National Research Council's study Environmental Impacts of Wind Energy Projects, accessible at http://books.nap.edu/openbook.php?record_id=11935&page=1.

X6. Do industrial wind turbines create television interference?

**Response:** The answer to this question is site specific and largely depends upon the kind of television connection you have, the siting of the turbines, and the local environment. However, just like large structures and unique terrain can disrupt television reception, wind turbines can do so as well. There are ways that developers can mitigate this problem through proper siting and Geographic Information Systems' studies of the area. To read more information about television interference, see: http://www.comsearch.com/files/Wind_Energy_White_Paper.pdf. To read more information about mitigation, see: http://www.ewec2010proceedings.info/allfiles2/286_EWEC2010presentation.pdf.