

Subject	Question	Answer
Apex	Will you buy property from landowners around a tower if they have problems?	Apex works with residents to identify the source of the problem and address it. We do not purchase property to resolve those problems.
Apex	How do you propose to keep bats and birds safe from wind turbines?	<p>To ensure that our projects are responsibly sited for wildlife, Apex conducts environmental impact studies for every project. We coordinate with federal and state wildlife agencies to make sure that our projects are sited in areas where impacts to birds or bats are minimized and appropriately mitigated if necessary.</p> <p>As a clean energy source, wind is one of the most compatible with wildlife. The wind industry has taken a systematic approach to identifying potential impacts on bats and other wildlife, and is engaged in initiatives to reduce, if not eliminate, those impacts. Of significantly greater danger to birds are cats, feral and domestic, buildings and road vehicle collisions. For more information, we recommend the article, "Wind farms are hardly the bird slayers they're made out to be. Here's why" at the below link.</p>
		<p>Link to Wind Farms are Hardly the bird slayer they're made out to be. Here's why</p>
Apex	What can you tell us about setback distances? Turbine placement? And Tower height?	Morgan County Commissioners are considering changes to the Morgan County Wind Ordinance and we believe the new ordinance will address setbacks and turbine height. Both the new ordinance and our continued efforts at land acquisition will determine the location of the turbines.
Apex	Where are similar sized turbines located? Most near us are much smaller than 500'	<p>Here is the Wikipedia page on IL wind farms: https://en.wikipedia.org/wiki/Wind_power_in_Illinois#cite_note-15. [We can cite the Bishop Hill wind farm in Henry County, tip height 492 feet; there might be a couple of others.]</p>
Apex	Where will substations be built?	Near Rees Junction.
Apex	Where will the operations and maintenance building be located?	The location of the operations and maintenance building has not yet been determined. We can say that we expect it to be within or near the project footprint.
Apex	Will future purchasers of the project be required to meet minimum financial creditworthiness and capitalization and solvency requirements to assure bankruptcy cannot occur? If so, who will set up these standards and see they are met?	Recent investors in Apex projects include Xcel Energy and Alliant. This type of investor is often a very large, publicly held company with a long operating history and a diversified asset base. The state of Illinois requires wind project owners to sign an Agricultural Impact Mitigation Agreement (AIMA) with the Illinois Department of Agriculture and file it with the host county. The purpose of the AIMA is to set out how decommissioning will be determined, conducted, and paid for when and if a project becomes inoperable. In all cases, the company is required to provide long-term financial assurance to pay for decommissioning should it ever be required, accessible to either the county or individual landowners. This ensures the cost does not fall to the landowner or taxpayers.
Apex	Who paid for the speakers for time, travel, and material presented?	Apex believes residents should be provided accurate information about the wind industry, but not at the expense of taxpayers. That is why we paid for the time and travel of these third-party experts in their field to present information at the Lincoln Land public forum.
Apex	How come Sangamon County said no?	Sangamon County established prohibitive regulations for wind energy siting. This can change as the politics of the county changes.

Apex	What new needs might county emergency services have once the wind farm is operational?	We train our teams to perform a number of emergency response measures, including how to bring a person down from the tower and reach someone who is suspended in the turbine. That said, we build strong relationships with first responders in the area, beginning with 911 operators. We want to be sure that we are providing the information they need to send the right teams to respond to an incident and appropriately advise the person calling. We also offer training to first responders interested in learning how to respond to an emergency at one of our turbines.
Apex	Do you live in a windfarm?	Of the Lincoln Land team, Senior Development Manager Sarah Moser lives on a wind farm.
Apex	How many acres do you need?	The Lincoln Land Wind project will require between 20,000 and 25,000 acres.
Apex	We live 2.5 miles east of the Morgan / Sangamon County line. Will the wind farm move east into Sangamon County?	We would be interested in developing a project in Sangamon County and will reassess if Sangamon County's wind ordinance supports wind energy.
construction	Will the underground collection lines cut across fields?	Yes. The underground cable will connect 9 to 10 wind turbines and then connect the last wind turbine in that string to the substation. Since the wind turbines are located in the fields, the cable has to also traverse the fields. See related questions about drain tiles below.
construction	Is there a minimum disturbance plan?	We engineer the wind farm and plan our work with the minimization of disturbance as a key consideration. Disturbance mitigation is integral to our plans.
construction	Can you put tile in after the wind farm is built?	Yes. There is precedence of farmers installing additional drain tile and replacing drain tile after the construction of the wind farm. The landowner will be responsible for coordinating this activity with the operations manager of the wind farm at the time of installation.
construction	What is done with the extra subsoil after digging the hole for concrete?	The subgrade soil is compacted over the wind turbine foundation and the remaining topsoil is used to grade the area at the surface.
construction	How soon does the broken tile get repaired? Within the week of tear? To whose satisfaction?	The drain tile will be repaired as we go. Most will be repaired within weeks, and we commit to all repairs being complete by the end of construction. The work will be done by an experienced drain tile installer. In the event that a tile break is missed and there is damage to crops, a crop damage provision in the lease addresses restitution.
construction	How do turbines and their construction affect farmland drainage? For example, where I have pattern tile with a lateral line every 50 feet across my entire field?	Drain tile breaks will be repaired in order to restore proper drainage.
construction	How does a turbine affect my ability to install future subsurface drainage?	There is precedence of farmers installing additional drain tile and replacing drain tile after the construction of the wind farm. The landowner will be responsible for coordinating this activity with the operations manager of the wind farm at the time of the installation.
construction	Given that APEX has only been incorporated in Delaware since 2009, the construction capital for each wind tower comes from mechanics liens and not from your actual coffers. What impact on the landowner do these liens have on their credit lines? <i>Please note, Apex projects are NOT funded using mechanics liens.</i>	Apex projects are NOT funded using mechanics liens; rather, the development and construction of the wind farm is financed through a combination of Apex's balance sheet, third-party investors, and bank construction loans. Until recently, Illinois law allowed a mechanics lien to be filed at the courthouse against the property. This law has been changed. The new law enables the project owner to require contractors and vendors to bond over any mechanics lien, eliminating the risk of a mechanics lien being placed on the property. Apex requires this on all projects to ensure a mechanics lien can not be placed on a project participant's property. The current Illinois law is consistent with most other state laws.

construction	How likely, and what kind of damage is done if turbine is struck by a tornado, to turbine and to potential people and surrounding property. And what happens after damage, like repairs, cost, etc?	Damage is related to the strength of the tornado and how the turbine is struck. Tornado strikes are covered by insurance policies that the project will carry through operations. The wind farm will be responsible for cleaning up any debris that may result from a tornadic storm.
construction	How deep is the base of a tower poured below grade?	The foundation is typically 10 feet from the top of the pedestal to the bottom of the foundation.
construction	How deep does the concrete go?	10 feet
construction	I heard that Morgan County does not have a lot of wind so you have to build taller turbines. Is this true?	This statement is not true.
decommission	At the end of 30 years when the project is decommissioned, what does decommissioned mean? 1. Only 5 feet of top removed and tower left for landowner to remove. 2. land mitigated back to pre-project condition.	Turbines are decommissioned at the end of their useful life. Decommissioning means that the turbine will be removed from the facility site. A detailed decommissioning plan, including provisions for financial security to ensure funds, will be set out by Morgan County as mandated by Illinois state law. The financial security is pledged for the lifetime of the project regardless of who owns the project to ensure decommissioning funds are available regardless of the owner. As required by state law, the decommissioning plan can be revisited after the first 10 years, and every five years thereafter by the County. Changes in market forces, cost of materials, cost of labor, or expected cost of decommissioning would be updated and, if needed, the financial security that goes along with the decommissioning plan. The decommissioning itself is just the reverse of the construction process. Cranes would be brought in and turbines would be taken down piece by piece and then hauled off. All component materials are removed to a depth of five feet below the surface. The land is then restored and reseeded and can be used for other purposes. Unless a landowner requests otherwise, the access roads would be removed and the roadway de-compacted for farming. Component materials are largely recycled and have value in the scrap commodities market, including the towers, machinery, copper wiring, and more.
decommission	Are there bonds or other financial assurances made by Apex for payment for future decommissioning and to pay for property taxes on the turbines?	The state of Illinois requires companies developing a wind farm to sign an Agricultural Impact Mitigation Agreement (AIMA) with the Illinois Department of Agriculture and file it with the host county. The purpose of the AIMA is to set out how decommissioning will be determined, conducted, and paid for when and if a project becomes inoperable. In all cases the company is required to provide long-term financial assurance to pay for decommissioning should it ever be required, accessible to either the county or individual landowners. This ensures the cost does not fall to the landowner or taxpayers.
decommission	How much money will you set aside "upfront" to decommission a turbine? Do you provide written agreements for decommissioning?	The exact amount will be determined by the decommissioning plan, which is subject to review by an engineer appointed by Morgan County.
decommission	Who has oversight over these (decommissioning) funds AND how are decommissioning funds secured?	The Illinois Department of Agriculture requires wind farms to provide for a decommissioning plan within its Agricultural Impact Mitigation Agreement (AIMA). The AIMA states, "Upon Abandonment, the County may take all appropriate actions for Deconstruction, including drawing upon the Financial Assurance. In the event the County declines to take any action for Deconstruction, the Landowners may draw upon the Financial Assurance."

decommission	What is current estimate of decommissioning cost per turbine for this project?	The exact amount will be determined by the decommissioning plan, which is subject to review by an engineer appointed by Morgan County.
decommission	Is the landowner reimbursed for crop damage and or loss of income during decommissioning--follow AIMA	Yes, we would pay for any crop damage if the damage resulted from decommissioning.
decommission	Given that at today's prices the deconstruction of each wind tower back to total land mitigation is \$500,000 to \$700,000. What is the deconstruction cost given 20 to 40 years down the line and will APEX or whomever APEX to have enough in the trust fund in ordet that the landowner will NOT have an financial liability to deconstruct and mitigate the land back to its original condition before the project	The state of Illinois requires companies developing a wind farm to sign an Agricultural Impact Mitigation Agreement (AIMA) with the Illinois Department of Agriculture and file it with the host county. The purpose of the AIMA is to set out how decommissioning will be determined, conducted, and paid for when and if a project becomes inoperable. In all cases the company is required to provide long-term financial assurance to pay for decommissioning should it ever be required, accessible to either the county or individual landowners. As required by state law, the decommissioning plan can be revisited after the first 10 years, and every five years thereafter by the County. Changes in market forces, cost of materials, cost of labor, or expected cost of decommissioning would be updated and, if needed, the financial security that goes along with the decommissioning plan. This ensures the cost does not fall to the landowner or taxpayers.
economic	How will this initiative provide jobs for the area?	Construction of the project will result in up to 200 temporary jobs and significant local spending. Once operational, the project will create 12 to 20 new local, full-time jobs. Additionally, a team of 8 to 10 specialized maintenance crew members will be in town for several weeks twice per year, spending money locally. These key maintenance roles offer opportunities for job advancement.
energy	What percentage of energy produced would be used in Illinois? Where will the rest go?	Electricity produced by Lincoln Land Wind will be delivered to the regional transmission system. A number of factors will determine which markets the electricity will be delivered to, including those markets served by the buyer of the project and which markets require energy at any given time.
energy	A wind tower off shore in North Carolina produces electricity at a rate of 78 cents per kwh when the open energy market sells and customers can buy power at 06 cents per kwh. What will be the cost of wind energy to the Amercian Consumer?	We are not familiar with the North Carolina project. There are a number of articles describing how wind energy is lowering the cost of electricity for American ratepayers. We think "Renewable Energy Growth Surging, Boosting the US Economy" is a good start.
energy	How many homes are powered by each turbine?	It depends on the size of the turbine. The number of homes powered by one turbine can range from 300 to 1,000 homes.
energy	What savings will the residents realize from the wind farm AND Will this affect our power bills ans is it an increase or decrease in our bills?	Studies show that wind energy has the lowest levelized cost of energy of any energy source. Although it is impossible to say how a single wind farm will impact the cost of power to a specific area, the addition of new If Solar and Wind Hit 50% of Generation, US Wholesale Energy Prices Could Fall 25% or More.
environment	If using wind energy, what is the environmental savings due to the reduction in fossil fuel use?	According to AWEA, "Wind power is a low-carbon energy source—when a wind turbine generates electricity, it produces zero carbon emissions. The development of clean wind energy avoids significant carbon dioxide
		Environmental benefits of wind energy.

environment	What damage is done to the soil during and after construction?	The construction process can cause the soil to become compacted. We often are able to solve the problem by diskking the ground. When the compaction is deeper, we may use specialized equipment to decompact the soil.
finance		Following are links to two articles that provide information on energy subsidies: "How Much Do Renewables actually Depend on Tax Breaks?" "Wind Subsidies Fall 80% in Three Years"
finance	What are the subsidies for wind energy?	https://www.windpowermonthly.com/article/1463602/wind-subsidies-fall-80-three-years
		https://blogs.ei.columbia.edu/2018/03/16/how-much-do-renewables-actually-depend-on-tax-breaks/
finance	How will the industry (or this project) change when subsidies cease?	Please see the above links for information about how the wind industry is strengthening even as subsidies fall.
finance	How does Apex make money from this development?	For every company—no matter its size—energy makes growth possible. More and more, companies are looking to clean energy procurement as a strategic business decision to support their growth and business bottom line. Apex is seeking an investor or buyer for Lincoln Land Wind to help the project move forward after Apex has completed the leasing and permitting stages. In addition to developing the project, Apex may
finance	Please detail the relationship between and among Apex, Lincoln Land Wind, the purchaser of the power, and the ultimate owner for the turbines.	Apex currently owns and is developing the Lincoln Land Wind project. Once we contract with a buyer or investor, that contract, will detail the relationship between Apex and the purchaser of the project.
finance	Do wind farms typically request property tax breaks or incentives?	Like other economic development projects, wind projects may seek tax incentives in the communities in which they are offered.
finance	Will Apex request tax breaks on this project?	Although some communities offer property tax abatements for development projects, Morgan County does not. Therefore, Apex will not pursue a tax abatement from the County. Should we identify a state program that would lessen the tax burden, we may opt to pursue it.
finance	Will liability insurance be increased down the road to allow for inflation to protect against catastrophic events?	Like other businesses, wind farm owners purchase an appropriate amount of insurance to cover their potential exposure. If that exposure changes over time due to high inflation, owners will make an appropriate adjustment to reduce liability risks.
flicker	What can be done about the blink effect?	The "blink effect" is sometimes called "flickering." Apex conducts studies to position the turbines to minimize flicker. We conduct the study and then verify those models by third party. Flickering can happen at any time of the year. The term shadow flicker refers to the shadows cast by wind turbine blades as they rotate in front of the sun, similar to the shadow cast by a tree blowing in the wind. Though not all homes in a project will experience shadowing, Apex ensures that no home experiences this effect for more than a few minutes per day, on average, by positioning wind turbines at a carefully calculated angle and distance from dwellings. During cloudy days or when fog is present, shadow flicker does not occur.

health	Has there been a research study done on the impact of people's health? i.e. headaches, nausea, motion sickness.	Please follow the link to the health studies.
lease	Explain finalizing agreement with purchase agent?	We are unsure of what the author is asking. Please contact us at info@lincolnlandwind.com to clarify.
lease	How much money per tower?	We are unsure of what the author is asking. Please contact us at info@lincolnlandwind.com to clarify.
lease	What are the lease terms?	Apex uses standard lease terms, which are consistent from landowner to landowner.
lease	Who owns the lease? Is it transferable?	The leases for this project are easements on specific pieces of property, so they stay with the property and are transferred to the next owner in the case of a sale. Similarly, the lease terms agreed to by Apex for Lincoln Land Wind stay with the project and are transferred to any subsequent owner for the lifetime of the project.
lights	Flashing lights at night? Diminishment of starry nights? Impact here? AND If using blinking lights, how are the lights not a nuisance to residents?	The FAA requires all structures, including wind turbines, over 200 tall feet to have a light, called an "obstruction light." The purpose of the light is to help mark the structures for aircraft. Apex uses lights designed to reduce ground scatter and focus the light laterally and upward to where aircraft will see it. If a person is standing near the turbine, the lights will not be obvious to them; however, they will be more noticeable from a distance. Lincoln Land Wind will employ the minimum amount of standard, nighttime, red safety lights as required by the Federal Aviation Administration. Apex is constantly reviewing new technologies in order to reduce impact.
new revenue	Will properties with turbines have assessment increases because of the \$2 million turbines?	No. Lincoln Land Wind will be assessed for all taxes related to its facilities, including the turbines, and will pay the taxes directly to the appropriate taxing authorities. The landowner will not be responsible for any taxes related to the wind project. They will continue to be responsible for unrelated property taxes.
new revenue	Ag versus industrial tax assessment reclassification?	The land surrounding wind turbines can be farmed under normal farming practices. For this reason, and consistent with Illinois state law, properties that host wind turbines need NOT be reclassified and are still assessed as agricultural land.
new revenue	What is the initial projected increase in property tax revenue for the Waverly School District?	The increased property tax revenue for Waverly School District will be an estimated \$209,032 in the first applicable tax year, and \$4,184,166 over the first 30 years of the project. The final revenue number will be dependent on how many turbines are located in the Waverly School District.
new revenue	Does the tax \$ that come in decrease what comes from the state?	This question seems to be related to school funding. This is an important question. Franklin School District will receive \$496,711 in General State Aid (GSA) in FY19. The total net revenue over the 30-year project is expected to be \$33,034,363 for the Franklin School District. Over that same 30-year period, the reduction in GSA is projected to be \$1,001.539, providing Franklin School District with a net gain of \$32,032,825.

new revenue	Enhancement of Franklin School tax revenue would impact property values, right?	We estimate Franklin Community Unit School District will receive more than \$33 million dollars 30 years. Certainly, it has the potential to significantly improve educational opportunities for students, and a strong school system is an important factor when calculating property values.
new revenue	How does the County get paid?	The Illinois Department of Revenue dictates how wind projects are assessed from a property tax perspective. This assessment value determines how much revenue is received by local taxing bodies in the county based on property tax rates. In addition, Morgan County's wind ordinance requires payments from Lincoln Land Wind when the siting permit application is filed.
Operations	Do Wind turbines create vibrations in the ground around them?	All moving objects create vibrations, including all living creatures. If you touch the base of the turbine, you may feel a slight vibration, but you would not feel vibrations in the ground around the turbine. Often farm animals, including cattle and sheep, stand close to the turbines in order to cool themselves in the shade of the tower.
Operations	With so many moving parts, how often do wind turbines breakdown and how often are they inspected and monitored?	Apex facilities have controls and sensors that allow us to monitor the turbines 24/7/365 from a remote operations control center. In addition, a maintenance team will staff the wind farm to respond quickly to any problems that arise. For a wind project with 120 turbines, there may be one or two turbines that will detect a problem and shut themselves off. Often it is a matter of simply restarting the turbine(s), but if the data from
property value	Appears farm ground may go up, but home values go down? / What is the impact on farmland?	The data shows there is no measurable difference between the selling prices of either farmland or homes near to an operating wind farm.
property value	Will non participants see a decrease in property tax assessments due to the impact in resale value?	Although it is possible that property owners will see a decrease in property taxes due to the increased revenue the school district and County will receive, independent studies performed using empirical data demonstrate that there is no conclusive evidence that property values, and therefore property assessments, are impacted up or down by a wind project.
property value	Wouldn't royalties that stay with the property in a sale increase the value of the property at the time of sale?	Theoretically yes. The amount would be dependent on the amount of each royalty payment, the remaining length of time (or number of payments left), and an appropriate discount rate. You can think of it as an annuity and like any annuity, it has worth. Specifically identifying the contribution on a per-acre basis in agricultural land sales that often include several hundred acres can be complicated. Variances between agricultural sales in soil quality, topography, drainage, proximity to the buyer's other farming operations, and
property value	I do not want to live within a wind farm or next to a turbine. I am sure that a high percentage of people would agree. If you take away prospective people to purchase my house, hasn't the value of my house dropped?	Independent studies performed using empirical data demonstrate that there is no conclusive evidence that property values are impacted up or down by a wind project.

property value	Impact on value of farmland?	Independent studies performed using empirical data demonstrate that there is no conclusive evidence that property values are impacted up or down by a wind project.
property value	How many houses are for sale and have not been purchased in Twin Groves because of wind turbines? So these are not included in your target/ control comparison?	The number of houses on the market is difficult to obtain and changes from week to week. Furthermore, there can be a number of reasons for a house being placed on and then taken off the market that have no relationship to the wind farm. One example is a seller who has a potential job transfer to a new area that subsequently did not materialize. For these reasons, the number of house sales is not included in the target/control comparison. Using actual sales data provides a concrete transaction price.
property value	Was there less ability to sell homes near windfarm? I.e. length of time on market or simply just pulled off the market?	Estimating the length of time a house is on the market can be difficult to measure. Factors such as changing the real estate agent will start the clock ticking again. Other factors that affect the length of time a house is on the market include the effectiveness of the agent selling the house and the initial asking price, which can be unreasonably inflated for a particular home. Overall, the length of time a house is on the market in general does not prove to be reliably relevant information. Selling price is a more reliable indicator of a wind farm's impact on home sales. If, due to the wind farm, there were a greater number of homes on the market or an extended marketing period, prices would decline. Studies have not shown this to be the case.
property value	A true research study is only authentic if there is more than one sample. Have you done research with more than one sample?	Peter Poletti has conducted six analyses of the impact on property prices by three different wind farms (two in Illinois, one in Wisconsin). Each wind farm was studied twice during different time periods.
safety	What are the safety issues during operation of the turbines?	The two areas of concern are the safety of the public and worker safety. Apex Clean Energy promotes a culture of safety, which, in the workplace, starts with the first meetings of the morning and is a team-focused approach that builds buy-in at all levels. Much of our safety training focuses on fall prevention and accident prevention. From a public safety perspective, we work to ensure our employees and contractors drive safely to prevent traffic accidents.
safety	How far away from the turbines are hard hats required?	Like all companies, Apex has safety requirements for its employees as they work on the turbines. This reflects the fact that workers are climbing the turbines and performing maintenance involving moving parts and heavy equipment. Landowners, however, are not required to wear a hardhat near the turbines. We do recommend that when technicians are performing maintenance on the turbines that landowners stay back, as there is a greater danger of tools, such as wrenches, falling from the top of the turbine.
safety	Would you agree that non -participant land owners should be afforded the same safety from their property lines?	Apex's standards in siting and operating wind farms ensures the safety of all people in Morgan County.

safety	Will you please provide our County Commissioners an unredacted safety manual from the turbine manufacturers? If not, why? Residents should be kept as safe as the turbine workers.	Each safety manual is the property of the manufacturer and legally not ours to distribute.
sound	If the sound from a turbine is a nuisance in our home, will the windmill be turned off during evening and night hours?	We are legally obligated to meet the sound standard established by the Illinois Pollution Control Board. If we receive a complaint, we will inspect the turbine to ensure it is operating properly. If the turbine is functioning properly, Apex will conduct a sound study. During that time, we may shut down the turbine both to work with the resident and to ensure we are in compliance with Illinois law.
sound	Is there a way to model or imitate expected noise disturbance to be experienced?	The best way to understand possible sound levels from the proposed wind farm is to visit an operating wind farm in the area.
sound	What are the highest decibels for worst wind speeds?	In Illinois, all wind turbines must meet the sound standard established by the Illinois Noise Control Board. Illinois's detailed regulation establishes a sound limit ranging from 45 to 47 dBA. No facility can exceed these limits.
sound	Any interruption in cell phone and TV reception?	In advance of construction, wind farms are required to conduct microwave beam path studies to avoid known communication paths, including cell phone, television towers, and line-of-sight Internet service. We use this information to avoid interference with communication paths when siting turbines.
sound	What is the typical decibel level for the following: turbine in operation; semi running; train whistle or horn; lawn mower operating	Exact sound levels will depend on how far away each source is, but the following examples should provide a general idea. <ul style="list-style-type: none"> • Turbine in operation = 35 to 45 decibels ("dBA") at a nearby house • Semi-truck running = 85 dBA at 50 feet • Train whistle = 96 dBA at 100 feet • Lawnmower operating = 70 dBA at 100 feet
sound	What is the sound level of an 11 car coal train with four engines going through Franklin at 2 AM?	At 100 feet it could be 80 to 90 dBA.
sound	So, what sound levels can we expect 24/7 from the proposed turbines? Is that #365 days a year?	Sound levels from a wind turbine are a function of the wind speed at the hub. The highest sound levels are produced when winds are around 20 mph or higher. These are not 365 days per year. Sound levels are lower under lower wind speeds, and there are hundreds of hours per year when the winds are too light for the turbines to even operate, and thus sound levels from them are zero.
sound	Are the sound decibels higher with taller turbines?	In the past several years, turbine technology has improved, making them operate more efficiently, without increasing the sound levels at which they operate, even as they generate more electricity.

sound	The Illinois levels of day time and night time decibel limits slide?	Link to presentation
sound	For the acoustician: Do you study the sound created in homes by the turbines? Particularly at night.	All sound studies predict sound levels outside of the home. Based on years of research, in order to estimate what the sound level is inside the home, one would subtract ~25 dBA from the outside sound level with windows closed, or 15 dBA with windows open.
sound	All of these complaints of trouble sleeping and being awoken cannot be lies. How do you explain?	Some people are bothered by the sight of wind turbines and therefore become annoyed; this can affect their sleep. People also wake up in the night for a variety of reasons unrelated to wind turbines.
sound	At what distance from a wind unit is it inaudible?	This is site specific depending on what other sources of sound are in the area, and the meteorology at the time.
sound	Are taller turbines louder than smaller/ shorter turbines?	The height of the wind turbine does not make them automatically louder or quieter than a shorter wind turbine. Each wind turbine comes with a sound rating based on manufacturer sound testing. Once constructed, each wind turbine must comply with the Illinois sound standard.
sound	The Charts shown gave no information that helped us get a feel for the decibel levels that can be expected and what those levels compare to our understanding of the sound. Can you relate the levels to something common?	Expected sound levels from worst-case operating wind turbines will be somewhere in the 30 to 45 dBA range depending on how far away one lives. For comparison, normal conversation is around 60 dBA. Air flow in a room from a central air conditioner is typically around 45 dBA.
sound	Does the sound (low frequency) affect cell coverage and antenna reception? Other data bands?	No. Low-frequency sound from a turbine does not affect cell coverage or antenna reception any more than the low-frequency sounds from another source such as a car or the ocean would.
taxes	What will the taxes be based on? Farm ground or Industrial?	Taxes for wind projects in Illinois are based on the capacity (MW) of each turbine on a property. These tax payments are the responsibility of the project owner, not the landowner, and do not impact the taxable value of the surrounding farmland. Land around wind turbines can be farmed under normal farming practices.
turbines	Are newer, different types of windmills available for use?	Apex only considers state-of-the-art wind turbine models when making siting decisions.
turbines	How tall are the turbines	Lincoln Land Wind is still in the development stage, and the height of the turbines has not yet been determined.
turbines	83 to 120 turbines are proposed for Apex but another 80 for E.on. There are 2632 turbines in IL but 200 proposed for itty bitty Morgan County. Doesn't that seem excessive?	The viability of a project and total number of turbines is determined by the amount of electricity demanded by the market, willingness of landowners to voluntarily host turbines, proximity to transmission lines, and other factors. The size of the proposed Lincoln Land Wind project is consistent with or smaller than others already operating within Illinois counties.

wildlife	What are the results to wildlife as turbines done in countries that have been running turbines for years?	Apex only operates within the United States, where environmental and wildlife regulations are very different from those in other countries.
wildlife	What is a line snake? Temps they would be active?	A line snake is a small, nocturnal species that forages on earthworms at night and can be found under rocks, logs, leaves, boards, and other debris during the day. In Illinois, the species is active from March to November, when temperatures are between 50 and 80 degrees Fahrenheit.
wildlife	Aren't wind channels for turbines the same for birds?	While both wind energy facilities and migrating birds/bats utilize areas with high wind speeds, migrating birds have the advantage of being able to adjust their flight heights to match the most favorable wind speeds. For most migrating bird species, favorable winds are found at altitudes higher than the tallest wind turbine blades. And while some birds do migrate at lower altitudes, there is no evidence to date that operating wind farms pose high risk to migrating birds (Erickson et al. 2014; Wecker et al. 2017).
wind industry	What's the deal with the bankrupt Champaign County wind farm?	A sign in Franklin announcing that a wind farm in Champaign County had filed for bankruptcy and not paid its local taxes caught our attention too. Apex called Champaign County Tax Collector John Farley and asked him what he knew. "Blatantly false," is how he described the sign's message. "There is only one wind farm in Champaign County, and it paid its taxes EARLY," he said. We are not sure where the signs came from or who paid for them, but we think Morgan County residents deserve accurate information about wind energy.