STATE OF ILLINOIS)
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COUNTY OF BUREAU)

In the Matter of the Petition

of

Bureau Creek Solar 2, LLC

Dover Township Bureau County, Illinois

> Testimony of Witnesses Produced, Sworn and Examined on this 18th day of April, A.D., 2024, before the Bureau County Zoning Board of Appeals

Present:

Troy Quest Shirley Ann Smith Bill Jensen Mike Stutzke Barry Welbers, Chairman

Kristine Donarski, Zoning Enforcement Officer

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MR. WELBERS: That brings us to our next
application, which is Bureau Solar 2, LLC. The
Parcel Number is 10-16-100-001 and
10-16-100-002.

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The common location is the southwest corner of 2200 N Avenue and Illinois Route 2.

This property is presently zoned as Agriculture.

This is a request for a Conditional Use to build and operate a 5-megawatt A/C commercial solar energy facility for the purpose of generating electric power on a 29.3-acre portion of the subject property. The project will consist of solar panels, racking, foundation piles, inverters, overhead poles and lines, and will be enclosed by a perimeter fence.

The present use is cropland.

The certificate of publication is here.

Princeton Elementary School District Number 115: Our School District has no objection to the above application.

From the Bureau County Planning and Zoning, from the Regional Planning Commission:

Based on information that was heard,

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the Bureau County Regional Planning 1 2 Commission found that the application for a Conditional Use as listed above was 3 consistent with the applicable goals, 4 5 objectives and policies of the Comprehensive Plan and was recommended for 6 7 approval with the attached stipulations to the Bureau County Board of Appeals and the 8 9 Bureau County Board. And I presume those will get read into the 10 record at some point, just not right now? 11 12 MS. DONARSKI: Yes. MR. WELBERS: Okay. From the Bureau 13 County Soil and Water Conservation District, the 14 District Board of Directors: 15 It is the opinion of the District 16 17 Board of Directors that this report as 18 summarized on this page is pertinent to the zoning request. 19 Cultural Resource Information. 2.0 review of the Historic 1862 Plat Map, we 21 found no historic sites on the property. 22 23 Biological Resources. Historically the site was of prairie landscape. 24 We

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recommend planting a pollinator mix for 1 ground cover around and underneath the 2 solar panel arrays to improve the 3 biological resources on the site and to 4 5 protect the soil. Common management of pollinator plantings at solar sites is 6 7 routine mowing and occasional inter-seeding. Our office can work -- can 8 9 provide seed mixes and a management plan upon request. 10

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Wetland and Floodplain Information.

The site is not within a hundred-year floodplain or a wetland. Consultation with the U.S. Army Corps of Engineers should happen before finalization of work plans if the project will be at or near waters of the United States.

Erosion Control. The building site is located on gently to moderate sloping ground. Care should be taken to cover bare soil during construction whenever possible. Grading should be kept to a minimum. The landowner and Bureau Solar 2 should agree upon a reasonable method to

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control erosion on the landowner's property.

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Soils Information. Most of the soil on the site is considered Prime Farmland by the USDA. The soils on the site are highly suitable for agricultural production. Some soils are not suitable for shallow excavation due to ponding and shallow depth to the saturation zone. Additional building and engineering considerations may be needed in these locations.

Soil Health Assessment. A site visit was conducted on February 1st, 2024, to further evaluate potential natural resource concerns for the zoning -- of the zoning request. Current soil health conditions were not accessible due to the wet conditions.

AIMA. Refer to the specifications outlined in the Agricultural Impact
Mitigation Agreement with the Illinois
Department of Agriculture. AIMA standards are for the minimum applied to all

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construction or deconstruction activities. 1 2 We emphasize that the activities when normal farming operations, such as plowing 3 disking, planting or harvesting, cannot 4 take place due to weather conditions, if 5 the AIMA is still needed, the appropriate 6 7 forms can be found at the Illinois Department of Agriculture website. 8 9 Princeton High School District Number 500 has no objection to the above application. 10 And do I read this letter too? 11 12 MS. DONARSKI: (Nods head.) MR. WELBERS: To Whom it May Concern: 13 HIRE360 is writing this letter to 14 15 express appreciation for Pivot Energy's \$30,000 donation to our Barrier Reduction 16 17 Fund to support underrepresented 18 populations to start a career in the solar construction industry. 19 HIRE360 is a 501(c)(3) with a mission 2.0 21 to expand employment opportunities for recruiting, training and placement 22 23 assistance. Pivot Energy's projects create opportunities for the individuals 24

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that we train and serve to enter the solar workforce and gain employment.

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HIRE360 is equipped to serve all equity eligible citizens in Illinois.

HIRE360 and its partners have training centers in central Illinois, in Winnebago,

DeKalb, Peoria, Taswell, McLean and

Champaign Counties. Additional training centers are located in southern Illinois, in Sangamon, Macon, St. Clair and Madison Counties.

Barrier Reduction Funds supports
apprentices from nearly a dozen community
and workforce agencies in Illinois. It
has been used to break down financial
barriers to careers in the trades. The
Fund covers costs that might have kept
eligible candidates from starting a new
career as a union apprentice.

With the support of committed donors like Pivot Energy, we are able to continue to increase diversity in a wide range of construction trades while also making an impact in the lives of individuals and

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families through access to living wage jobs.

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We would like local authorities to have jurisdiction to consider proposals from Pivot Energy to develop solar projects, given their unique commitment to invest in local partners like HIRE360.

Their focus on land stewardship practices and their sites and their approach to reduce energy burden for low-income families through their solar subscriptions and donations.

We believe Pivot Energy's project will provide local clean energy, electrical savings and create construction jobs. We specifically appreciate that Pivot Energy is an Illinois Solar for All approved vendor and is a certified B corporation, observing the principles of people, planet, profit when governing its company. The donation to HIRE360 is great representation for those values and the unique purpose of driven solar development approach Pivot follows.

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Your attention and consideration are 1 2 appreciated. Please contact me with any questions, 312.575.2512, Jay Rowell, 3 Executive Director. 4 And then this one, it is from Crane and 5 Carolyn Schafer: 6 7 Dear Planning Commission and Zoning Board of Appeals Members: 8 9 As landowners of the two parcels that are proposed for the community solar 10 garden, Bureau Solar 2, LLC, we wanted to 11 12 convey our hopes for this project and what it will mean to our family. 13 I was born in Bureau County on a farm 14 15 just down the road from these parcels. wife, Carolyn, and I moved back after 16 17 college to help my folks on the farm, while also working for Country Financial. 18 My three children all attended Princeton 19 High School and still have ties to 2.0 Princeton. 21 My father grew up just west of 22 23 these parcels, as did his father. When my

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grandparents passed away, each of their

children, including my father, inherited
20 acres along 2200 North. When my
parents passed away, my sisters and I
inherited that same 20 acres. A few years
later, I bought my sisters' interests.

Later we purchased the 20 acres directly
west when a cousin decided to sell.

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It's been my desire to continue our investment in the farming community with land owned by my grandparents and great-grandparents. It is important to us that this land remains in our family and that our children benefit from it for years to come.

Planning for the future for us, our children, our grandchildren, and the land itself, we decided to work with Pivot Energy to build a solar project. Our parcels have always been planted in beans and corn, and this solar project will diversify our farm's income.

Importantly, Pivot's assistance we'll have come to an agreement to keep some of the land in production. We plan to farm

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the perimeter in corn and plant hay and 1 2 alfalfa under the panels. This project will be well-maintained and taken care of. 3 Having dual use of the property, keeping 4 the traditional production while bringing renewable energy to Bureau County, is 6 7 fantastic. Leasing it to Pivot, a company who is 8 9 a leader in the solar energy field, has many benefits. It will provide clean 10 energy to the community and a substantial 11 increase in real estate tax revenue to 12 Bureau County residents, while also 13 14 allowing lowering -- while also lowering electricity costs. 15 This is an exciting opportunity for 16 17 us and our local community. Crane and Carolyn Schafer. 18 From the Bureau County Highway Engineer, 19 John Gross: Our Road District has no objection. 2.0 And that's what I am to read. 21 Do we have an Applicant here? Would you 22 23 come forward, please. MERRILL READ, 24

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being first duly sworn, testified as follows: 1 2 COURT REPORTER: If I could have you state your name and address and spell your last name. 3 My name is Merrill Read. 4 MS. READ: work with Pivot Energy. My address is 444 West 5 Lake Street, Chicago, Illinois, 60606. And Read 6 7 is spelled R-E-A-D. First I'm going to hand out these packets 8 to you up here. 9 MS. DONARSKI: I'll mark it as an exhibit 10 11 then. (Exhibit Number 1 marked for 12 identification.) 13 MS. READ: You can distribute the rest of 14 them. 15 So throughout this presentation, I'll just 16 17 say "next page" when I'm continuing on so that 18 you can follow along with me. I only printed 11, so sorry for everyone else that's here. 19 My name is Merrill Read --20 2.1 MS. DONARSKI: Before you go, I do have Is there anyone that would like to see 2.2 one of these three for this one? 23 AUDIENCE MEMBER: I do. Thank you. 24

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MS. READ: All right. My name is Merrill
Read. I work with Pivot Energy.

Today I'll be telling you a little bit about Bureau Solar 2, LLC, which is a 5-megawatt solar system in Bureau County that we're proposing.

Next page, please.

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So first I'll talk a little bit about, why community solar and why in Illinois? So as of September 15th, 2021, the Clean Energy Jobs Act implemented the Illinois Renewable Portfolio Standard, which had a goal to achieve 50 percent renewable energy by 2035, as well as increased labor jobs for those in the area for local citizens to contribute to this rising goal for renewable energy.

A lot of people want to be able to participate in renewable energy but don't have the infrastructure to do so. So maybe they can't put it on their roofs or in their backyards or simply do not have the income to support building their own solar facility. So a great way to be a part of renewable energy and to be able to subscribe to it is through a

community solar garden.

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So for this garden specifically, you would be able to subscribe for free. So there's no cost to you. And you would automatically save on your electricity bill, it's between 10 and 20 percent, depending on what your electricity bill looks like. And I'll talk about that a little bit more later. And it's a great way to participate in renewable energy without having to have it right there on your roof.

Anyone can participate, whether it's local residents, the municipalities, your local business. Anyone that's on Ameren lines can be a part of this.

Next page, please.

So a little bit more about Bureau Solar 2, which is the specific project I'm talking to you about today. It's located just southwest of the intersection of County Road 2200 North and County Road 2040 East.

So these two parcels, they are right next to each other, and they're zoned Agricultural. So solar would be a Conditional Use for these two properties.

And in total it's 40 acres that are the two properties, but we would be using 29.3 acres of that total land area.

The setbacks that we have included include 80-foot setbacks from both County roads, which is what was in as part of the old Bureau County Ordinance. It has since been updated to be a shorter distance, but we wanted to stick with what was originally in Bureau County's Ordinance before the Illinois Siting Bill.

Then in addition, we'll also have 50-foot setbacks from all other property lines and 150-foot setbacks from all residences.

We have decided to go with an 8-foot game fence, an agricultural-style fence. We had a community meeting back in February where the landowners, as well as our district representative from the County Board, Liz Novotny, we talked about what might look best. A game-style fence looks a little bit more agricultural than a chain link, so we decided to go ahead with that.

We also propose a 16-foot-wide gravel access road off of County Route 2200 North.

As I mentioned before, this is a

5-megawatt AC system, which is a 6.67-megawatt

DC system. So this is estimated to produce

be the equivalent of powering 1460 homes.

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We do not require any utilities. So no type of sewage, waste, irrigation, portable water services, trash, recycling or natural gas. The only thing that we need for utilities is the existing infrastructure along County Road 2200 North. So we are able to just interconnect right at the base of our access road, where these two roads will meet.

about 10.59 gigawatt hours per year, which would

Next page, please.

I provided just a close-up of the site plan, should you want to look at details a little closer.

We can go to the next page.

I'll tell you about the technology for this project. So we're proposing Tier 1 panel manufacturers, which includes 10,520 panels designed to absorb the sunlight and not reflect it.

Throughout the array, we'll have 40 string

inverters. So it's not one large central inverter. So it's a little bit quieter, less noticeable, and you wouldn't be able to hear the project from outside the project fence.

We also have single-access trackers. So throughout the day, and perspectively slow, they'll be tilting, following the sun to maximize the efficiency of the panels.

The piles are driven directly into the soil. So we don't have to do grading for this site. It's pretty flat already, so there's no grading needed. We put them directly in, no concrete footing or anything like that.

And during operation, no pollution or emissions will be produced by the project.

Next page, please.

Something that you may have heard in Crane and Carolyn's letter that we're really excited about is the dual use that we will have on the site. So we will do crop production throughout the array.

So this is something that's not really been done that much in Illinois. All of our projects usually have a dual use component,

which is usually sheep grazing so they take care of the vegetation beneath the panels.

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But in talking with the landowners during our community in February -- community meeting, we decided that we wanted to try something different that we have done in other markets, like Colorado. So this would include on the outside of the fence we have about 10 acres that we wouldn't be using inside the fence that would remain corn. And then between the arrays, we can actually plant hay or alfalfa. The landowners would be the ones tending to that farming.

So Pivot would be the ones that would procure the smaller farming equipment. Because you can't have, like, normal-size tractors between the arrays. So they will be able to go in and farm that hay or alfalfa.

And this is something that, as I mentioned, we have done in Colorado. So I know it's hard to see probably from back there. But this is a project called Jack's Solar Farm in Longmont, Colorado. So it's a little bit different, but the same concept where they're

farming row crops between. And they have people on site every day to manage that. So it would be something similar with the hay or alfalfa.

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I'll talk a little bit about the economic benefits from this project. So first, property taxes. The State of Illinois has a higher increased property tax for community solar gardens. So I kind of drew that up, what that might look like, from a year to a 20-year lifespan.

So in one year, in 2021, the two properties brought in \$1900 in property taxes. With the solar project, in the first year of production that will have a significant increase, to \$26,000.

Over 20 years of not having a solar project on the farm and just letting it be as it is, that would bring in about \$38,000. But with the solar farm after 20 years, it would have a significant increase of just under \$321,000.

So I kind of drew up what that would look like for the current taxing districts for these parcels. So you can probably see it better over

there. I wish I had a projector. But you can see that places like Bureau County, instead of getting \$200, it would get \$2,800 in one year. And then another one I can point out is Princeton Fire Department. Instead of \$61 in a year, it would be more like \$839 in the first year of production.

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Then the goal of our community solar garden is to, one, produce renewable energy, but then also save people money. So I'll talk a little bit about what you could save if you were subscribing to this project and overall what it could do for the community.

So the average Ameren customer will pay about \$154 per month on their Ameren bill.

While subscribed to the project, they would save about \$15.41 per bill which would be about \$138 per month. So over the year for that one individual, they would save about \$185 over that total year.

We're estimating to be able to serve 1460 different individuals or businesses, and that -- across all of those subscribers, one year they

would save \$270,000. So that would all be money that wouldn't be going to Ameren and would be staying in residents' pockets, staying in the local community.

Over the 20-year lifespan of the project, after 20 years, that number that I just mentioned, the \$270,000, equals \$5.4 million that is not going to Ameren and is staying in the community.

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I'll talk a little bit about site design and how construction operates. So it will take about six months to construct this project, during that time, we employ civil, fencing, general labor and electrical contractors from the local area to contribute to this project.

Then before we would go online, we would have Ameren come check out the site, make sure everything looks good and that we can appropriately hook up to the grid.

Next page, please.

During operation, tell you a little bit about that. So our string inverters operate at less than 60 decibels, which is way quieter than

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how I'm talking right now. So outside the project fence you would not be able to hear the project.

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We also have a SCADA system, which does 24/7 remote modeling. So if something isn't looking right on the back end, we can tell that it's not producing the way that we want it to. We can get our local contractors to go on site, make sure everything is looking good, check in, that kind of thing.

We'll do annual maintenance visits two to four times per year, checking out the facility. Also that would include farming and the seeding. All of that would be a part of those maintenance visits.

During construction, we'll actually bring the fire department and EMTs on site to get proper training on how to shut down the system or what to do in case of an emergency.

We'll have a Knox Box on the gate that they will have access to. So should they be able to enter the site, they would be able to.

Then at the end of the lifecycle of the project, we decommission our project. So we are

able to pull all of the equipment out of the site and return it back to its original state that it currently is. We can leave the access road, if the landowners choose to, but we can also remove that too.

We will put up money before we start construction, so that no matter what happens we would be able to get that site decommissioned.

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So lastly, I'll just cover the overall benefits that I have summarized a bit here today. So economic benefit is a big one. Saving residents and businesses on their electricity bills, while also providing property tax increases to the County and the local districts.

Also encouraging workforce draining and development programs.

Also using local contractors and supporting the local economy.

Something that Pivot is really heartfelt about is investing in the communities that we build our projects in. So for each project, per each megawatt we donate \$5,000 to an agency or

nonprofit that works in energy burden reduction or working in workforce development and training. So this could look like helping an organization that helps with utility bill payments for those who can't afford it, or paying for a scholarship for a group that's already doing great work in helping people get jobs.

A group that we have already identified is ICC. They have a workforce training program for renewable energy. So we're talking with them about this \$25,000 donation that we are offering and just want to make sure that we're really supporting communities that we are building our projects in.

We're also looking to preserve farmland and agricultural practices by planting hay or alfalfa between the rows, as well as continuing to farm corn around the outside of the fence.

Bolstering the electricity grid for further use in the future.

And also providing clean, renewable energy to your neighbors, newcomers to the area, anyone that's on Ameren lines that wants to

1 participate.

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That's what I have prepared. Happy to

answer any questions that you may have.

MR. WELBERS: There will be some.

MS. READ: I can guess.

6 MR. WELBERS: We'll start with our Zoning

Enforcement Officer.

EXAMINATION

9 BY MS. DONARSKI:

- 10 | Q. So, Merrill, how tall -- how far off the ground
- is the bottom of the proposed racking system
- when it's tilted up? How close is it to the
- 13 | ground?
- 14 A. Yes, so it will track. So it will vary
- throughout the day. But, like, the lowest it
- will get is probably, like, right here
- (indicating), because the apex of the post is,
- 18 like, right about at my head height. So it will
- 19 kind of track from that.
- 20 | Q. When you say "right here," we're putting this
- 21 on the record.
- 22 | A. So I am 5'6".
- 23 | Q. And then "right here," is it, like, knee high?
- 24 | A. Yes, knee high.

1 | Q. Okay.

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2 A. Just above probably.

something like that.

- Q. Okay. And so you had mentioned that -- how
 were they going to plant and harvest hay or
 alfalfa in between the rows of panels? Can you
 explain how that would work?
 - A. Yes. So as opposed to, like, a regular system, we'll have it spaced just a little bit further apart so that there's more space for a small tractor to get through with a tow behind. We are actually able to manually stow the panels. So they'll go in a cathedral stow, which means they'll go up and down so he can go throughout the arrays without worrying about hitting one or

Because at the end of each row, there's space so they can get around and throughout the arrays, he'll be able to come down with the tractor and kind of weave throughout the array and between panels.

- Q. Now, will there be a pollinator mix as well or just the hay and alfalfa?
- A. Yes, so that would be underneath the panel itself. Because it will kind of be, like,

swaths or hay or alfalfa between the arrays,

where the most sun would be, and then underneath

would be the pollinator-friendly seed mix as

well.

Q. Okay. So can you tell me about the erosion control measures? I know Soil and Water had mentioned having an erosion control plan. Can you expound on that a little bit?

A. Yeah. So during construction we'll put silt fencing around the entirety of the portion that we're building the array in. And first the access road would be built so we all people delivering anything or people coming to the site, so they're off of the County road there and on site.

From there, because we don't have to do grading, it's mostly just putting panels into the ground. That can be typically, like, the loudest time. It takes a little bit of time to just, like, pound them into the ground hydraulically. Then after that, it's all pretty simple, like, electrical contracting, which is very quiet throughout the time. But during the whole time, they're following best management

1 practices for erosion and sediment control.

2 Luckily, there's no wetlands or site --

onsite or a floodplain. So we're able to make

sure that we're not doing anything we shouldn't

5 be.

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- Okay. So is it your testimony that this will not increase the flooding -- or the -- not flooding -- the runoff from the way that it normally does?
- 10 A. Correct. We're not changing the drainage on the site.
- 12 Q. Okay. Thank you.
- So do you have an AIMA agreement with the State?
- 15 A. We do.
- Q. Okay. And does that address, like, broken
 tiles or things like that during construction,
 when you're saying they are pounded into the
 ground? Can you tell us a little bit how that
- 20 is?
- A. Yes. So we will get a local third party to

 come on site and do a drain tile survey. So

 we'll often use Huddleston McBride, as an

 example. They'll come on site and do excavation

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1 trenches to make sure what's there, describe

2 what type of tile it is, and they'll also put

flagging to show where each of these drain tiles

are so we can avoid them in pounding in our

poles -- or posts, rather.

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- Q. Okay. Then do you have, like, a location of, like, pipelines or gas lines? Is all of that scoped out ahead of time?
- 9 A. Right. We have already done title work for

 10 this project, so that they're not on site. And

 11 we'll also make sure we do a JULIE before we do

 12 any type of construction, as well, to make sure

 13 we are clear there.
- Q. Okay. Is the electrical cabling installed above ground or below ground with this one?
 - A. So right where it interconnects to the existing grid, there will be a couple of poles that we will install along our access road. From there, it goes underground. So you won't see a lot of, like, poles throughout the site that are coming up 40 feet or anything like that.
- Q. Okay. So then the substation you're going to connect to is where from this?
- 24 A. It's right across 2040. So it's right next

- door, across the street.
- Q. So does that go above ground over the highway or under? Is it --
- A. So the existing line currently goes across, and nothing on the roads would change. We just interconnect right to the pole right next to our access road. So we don't have to, like, put new lines to the substation.
- 9 Q. Okay. Now, is there any lighting to be used at the site?
- 11 | A. No lighting is proposed.
- 12 Q. Do you have a roads agreement with Bureau
 13 County?
- 14 A. Yes, we have an executed Road Use Agreement
 15 that we worked with Cheryl and John Gross on to
 16 make sure that we're liable should we need to
 17 upgrade any roads after construction.
- 18 Q. Okay. Then do you have an approved entrance then?
- 20 A. We do verbally. I think we'd have to go for another access permit prior to construction.
- 22 Q. But you have identified that in your plan?
- 23 A. Oh. Yes.
- 24 | Q. Okay. And then where -- can you tell us in

1 | words where that will be located?

- 2 A. So it's on County Road 2200 North. So it's --
- we have pretty big setbacks. I think it's
- 4 | probably -- let's see, I can estimate that
- 5 distance. I'd say it's about, like, 250 feet
- 6 from that intersection.
- 7 Q. Okay. And do you plan to have any kind of a
- 8 BESS, or a battery energy storage system, on
- 9 site as part of this project?
- 10 | A. No.
- 11 | Q. Once the project is constructed, how is the
- operation of this site monitored?
- 13 \mid A. So we have 24/7 monitoring that's remote, so we
- 14 can tell if anything isn't producing the way it
- should. So we will be able to send anyone,
- should it not look the way it should look.
- 17 Then we'll also send people to the site
- 18 preemptively to check on the maintenance,
- 19 general upkeep, that kind of thing.
- 20 Q. And then was there someone local that will have
- 21 access in case of emergency or to access
- 22 complaints, address complaints?
- 23 A. Yes. So we'll also give access to the local
- 24 fire department and EMTs. So they will have

access to the Knox Box on the gate, with also training that we'll give them during construction. So, yes.

- Q. Okay. Now, when you're entering and exiting the property at the gate on 2200, will there be room for the vehicles and the trailers to be off the road right-of-way when the gate is being opened and closed?
- A. Yes. So the gate isn't right where the access road meets that County road. It's further back, past the 80-foot setback. So there would be enough room for multiple trucks to pull off.
- Q. Will there be any kind of noise or sound emitted from the inverters or other electrical equipment?
- A. So as I mentioned, they do make a little bit of, like, a hum, but it's quiet enough that outside the project fence you wouldn't be able to hear it. We are purposeful about using the smaller inverters, rather than a centralized inverter, to make that noise a little bit quieter.
- Q. Will there be any kind of electromagnetic fields or EMFs emitted from those inverters or

anything that could pose a potential health
hazard to individuals, you know, living in close
proximity?

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- A. Yeah. So the transformers on site are, like, the same transformer you would see at a school or a local building. So they produce about the same amount of EMF as that, which is very low, and that would be within, like, 2 feet of standing next to it. But your phone or a microwave, a radio, produce, like, way more than any of our equipment would.
- 12 Q. Okay. Now, is this -- do you have an agreement with Ameren then to hook into the substation?
- 14 A. We're under study currently with Ameren. So

 15 they are identifying our interconnection

 16 agreement currently.
- Q. Okay. What are the existing land uses on the other properties around this field?
- A. It's agriculture. So there's grain bins to the south. That's the most nearby structure. Then there's a couple homes that are about 700 feet away to the north and probably over a thousand feet to the west.
- 24 Q. Okay. And then if this project is approved,

what would be time frame for construction?

2 A. So we're looking kind of mostly at next spring,

is probably the earliest we can get on site.

4 But once we have everything in hand, we have our

own construction team -- because we're the

6 owner/operator for this project and all of our

projects. So we have our own team that we would

8 hand the project off to, and they would start

construction at that time. But procurement

takes a little bit.

- 11 Q. So that was going to be another question. You
- 12 develop it, you build it, and you own it and
- 13 operate it?
- 14 | A. Correct.

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- 15 Q. Okay. Then what is your plan for disposal of
- 16 construction debris during and after
- 17 | construction?
- 18 A. Yeah, so during construction any debris, such
- 19 as, like, the boxes that the panels come in,
- 20 anything like that, would be hauled off site and
- 21 | disposed of. We also bring our own portable
- 22 bathrooms to site for the labor that will be on
- 23 site. But we are very intentional about keeping
- our sites clean. Our project managers would be

1 there to make sure all trash would be removed.

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- Q. Okay. Then did I hear you say that the local farmer that owns the land will be the one that's farming it?
- A. That's correct. So you heard the letter from Crane Schafer. He is one of the owners for one of the two parcels. So he's very enthusiastic about being able to farm this site and the dual use that we're proposing, because it's very different from a lot of projects across Illinois.

MS. DONARSKI: Okay. That's all I have. Thank you.

MR. WELBERS: Now we have to see if there are people with us that have questions.

Are there folks here tonight that have questions?

You. Are there others?

Okay. Right now is your opportunity to ask this witness questions that she would answer, if she can. And then after that's completed, anyone who would like to come up and testify can do that as well.

So go ahead and ask your question. First

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state your name so the court reporter can put it down, and then ask your question.

MS. SACK: Susan Sack.

EXAMINATION

5 BY MS. SACK:

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- Q. And could you further explain the decommissioning bonding and how that's going to play out?
- A. Yeah. So within our lease agreement that we have with the landowners, as well as with -- in the AIMA, which is the Agricultural Impact Mitigation Agreement that we have to execute with the Department of Agriculture, it stipulates that we have to put up a bond that would not include salvage value for the project.

So if it were to go under, Pivot were to go under, something like that, that money would be in a bond that Bureau County could access so that they could properly decommission the site. Then every five years that amount, that cost that's estimated, is revised to make sure that it's accounted for inflation or any changes in, like, recycling prices, all of that.

But all of the equipment will be removed

and it's still usable. So even after the
lifecycle of the project is over, those panels
still have life in them. So they can be
recycled or reused or donated.

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- Q. How about insurance on these panels? If the landowner who was planting the crops were to make a sharp turn or something goes wrong and they be damaged, would they, the landowner, be responsible for repairs of the facility?
- A. They would not. So on all of our projects we have a very high insurance policy, that we would be able to cover that. And also Crane would be our employee, so it would be covered under that. Like, he wouldn't be liable for being on site because we hired him.
- Q. And if you were to have a tornado, hail damage, who would do the cleanup and how would that play out?
- A. Yes, so first I'll talk a little bit about how, like, durable these things are. Because even though they're made of, like, glass and silicon and things like that, they're very durable.

So the posts that are driven into the ground can withstand 140-mile-an-hour winds. So

we have sites in Florida, and there was a crazy hurricane two years ago, and all of our sites stayed standing because they're so durable. So they are pretty good to stick around.

And same with -- we have a lot of projects in Colorado, so a lot of hail happens there too. They can withstand, I think it's like 50-mile-an-hour hail at, like, an inch-wide hail marks.

But if anything were to be damaged, which we try to avoid, but if so, we would send someone to the site to -- especially after a big storm, survey, see how the site is doing. If a panel were to, like, crack, it doesn't, like, shatter like a window. It just stays in the panel. Like how if you're at the airport and you see those dividers are sometimes, like, hit, it would look like that, and they're just able to replace it immediately. We have local contractors that do that too.

- Q. And you have insurance that's going to cover in case it were to be something that did impact the environment?
- A. Yes, we do.

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MR. WELBERS: Are you good? She answered

2 your questions.

3 | Connie, you have a question?

MS. STETSON: Yes, I do.

5 MR. WELBERS: Please state your name.

MS. STETSON: Connie Stetson.

EXAMINATION

8 BY MS. STETSON:

- 9 Q. You said you would put a bond down for these
- 10 before it starts? A hundred percent of
- decommissioning? Or are you doing 10? 50?
- 12 | 100?

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- 13 A. I think the stipulation is, like, it increases
- as the project goes on. So I think you pay,
- like, 50 percent. I would have to verify with
- 16 the Ordinance.
- 17 | Q. The first anniversary is 10 percent, is how the
- 18 | law goes.
- 19 A. Right.
- 20 Q. Then in six years, it goes to 50 percent of
- 21 decommissioning. Then the eleventh year is a
- 22 hundred percent.
- You just told this lady you were going to
- 24 put a bond for all the decommissioning. That

means, to me, it would be a hundred percent of the decommissioning, is what you're saying?

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- A. I mean, we'll do whatever the County requires us to do. We're happy to do whatever makes people comfortable. So we could do that.
- Q. And are you going to build when you have permission from Ameren? Is that when you start to build?
- 9 A. No. So we would sign our executed agreement

 10 with Ameren, and then it takes quite a bit of

 11 time to procure materials and get ready for

 12 construction, find the right contractor for us.

 13 So that does take a bit of time.
 - Q. So you could build it and it could sit there, not doing anything, until Ameren says, Okay?
 - A. Oh, no, we would never build without having -we wouldn't build a project until we have

 Ameren's permission and an executed agreement.
- Q. And the permission means, We can now connect you? It's not going to sit there idle?
 - A. No. So what I mentioned during my presentation is that that's not the agreement. So we don't have an interconnection agreement yet with Ameren, but we would need that to start any type

of construction or even start funding for the 1 project. So once we've built the whole project, 2 Ameren would just come on site and make sure 3 it's connected properly. So it's not like they 4 would be, like, doing an agreement of sorts at that time. 6

> Okay. MS. STETSON: Thank you.

MR. WELBERS: Yes.

Susan Sack. MS. SACK:

EXAMINATION

BY MS. SACK: 11

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- Could you further explain this? In case Ο. batteries do become available that can store this energy, do you have any agreement with the landowner that they -- you can further expand and use a battery system?
- Α. Yeah, so we are kind of using the max amount that we could on site, with the setbacks that we have included and the space that we are taking up, with having a little bit wider rows. at the max capacity that we could have, like, a solar site.

If we were to do, like, a solar battery in the future, which for this site we would not be

able to, we would have to come back for another
type of permit. We wouldn't just be able to

4 MR. WELBERS: Does anyone else have

questions of this witness?

build something like that.

Yes, sir, state your name.

MR. D. SCHAFER: Dan Schafer.

EXAMINATION

9 BY MR. D. SCHAFER:

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- 10 Q. I live on the main farm. And they're talking,
 11 this wind shear, it's going to be level. What's
 12 the wind shear going to do coming off that on my
 13 crops? Because I have got an 80 on the west
 14 side, an 80 on the north side, and an 80 across
 15 the road?
- 16 A. You're asking me that, right?
- 17 | O. Yes.

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A. So after we had talked about that in February,

I looked into studies to see if that was a thing
that was happening with solar projects, and
there's no known study or report of wind shear
from panels. Because they're not just staying
stagnant throughout the day. They're moving.

And it's also not just barren underneath them.

There will be hay that will be underneath there, as well as a pollinator seed mix.

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So I don't see this project making any type of wind shear.

- Q. But if they're laying flat, they are going to come across the top pretty hard.
- A. I have not seen any evidence or study that says so.
- Q. Then I have got the one house that's within 600 feet of those panels. That house is actually going to have no value to it because nobody's --

MR. WELBERS: Mr. Schafer, just one second. Just let me caution you one thing. Right now is an opportunity to ask the witness questions that she would know an answer to. If you have -- you want to start talking -- you would like to talk about concerns for your property values, you can trade places when the time comes.

MR. D. SCHAFER: Okay. I didn't know when that time was coming.

MR. WELBERS: We have to maintain a certain order in order for our court reporter to get it down and ultimately for our County Board

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to understand what information we collected.

So it's really easy to get off on to doing that. But questions that you would think she could answer, that's the time now. But you would be more than welcome to come up here and express your concerns on the project.

Go ahead. Any further questions?

(No verbal response.)

MR. WELBERS: Yes?

EXAMINATION

BY MS. SACK:

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- Q. Can you cite some World Health Organization data that shows that heat sinks don't affect the surrounding agricultural land, and also, as he expressed, the wind shear, that there's not a physical environmental impact?
- A. So I'll talk about your first question first.

 So I think what you might be thinking about,
 like for a heat sink, would be, like, a solar
 tower, which concentrates solar on a single
 tower.

Because these solar projects, community solar gardens that are small 5-megawatt systems do not increase, like, heat of the area. They

just absorb the sun that's naturally coming down to the property.

- 3 Q. Okay. What about the glare?
- A. So the panels are meant to absorb the sun. So they don't have, like, a glaring effect. They are, like, sprayed with a certain material that doesn't make them glary. So they wouldn't produce glare.
- 9 Q. So there is a study that says that they do not produce heat? Is there a study you can quote that?
- 12 A. I mean, not off the top of my head. I could
 13 track one down for you to send one to you, if
 14 you would like.
- 15 Q. I question that. So I just was looking for proof.
- 17 A. Yeah, I mean, there definitely are studies that
 18 do say they do not increase heat or anything
 19 like that.
- Q. So are you going to present that information at a later date? Or how would I find that information out?
- 23 A. You could Google it, or I can take your email after this and send it to you.

1 Q. I have Googled a lot on heat sinks, and I know

2 they are a thing. Even flat panels, when you

3 have, you know, sunlight being absorbed, there's

going to be more radiant heat from off of the

5 panels.

- 6 A. I have seen studies that disprove that. So I'd be happy to send those over to you.
- 8 | Q. That would be helpful probably for everybody.
- 9 | A. Okay.
- 10 MR. WELBERS: Other questions of this
- 11 witness?
- 12 Yes, please state your name.
- 13 MS. SUTTON: Colette Sutton.
- 14 | EXAMINATION
- 15 BY MS. SUTTON:
- 16 Q. Have you discussed with this County or any
- other counties that you have done business with
- about dual purpose levies on solar farms?
- 19 Because obviously you are still a rural
- 20 agricultural producer and you're now moving to,
- 21 you know, a commercial solar farm. It should be
- 22 a dual purpose levy, I assume.
- 23 A. I'm not totally sure about that. We do do dual
- purpose on all of our community solar sites, 98

1 percent of them. I haven't received that

- question. So I'm sorry, I don't have a great
- answer for you at this time.
- 4 Q. I would just assume that participating counties
- 5 | would be capturing two levies or some adjusted
- 6 levy because this is so new and --
- 7 A. Well, they definitely would gain a lot of
- 8 property taxes just from the solar.
- 9 Q. From the solar, but you're also farming. And
- whoever reaps the benefit of the farming or
- 11 whoever keeps control of the farming I assume
- 12 | would be a separate levy?
- 13 A. Yeah, I'm not totally sure. I wonder if it
- 14 stays the same because it's farmland and it's
- the solar on top of it. That would be the way
- that I would assume it would work.
- 17 | Q. Just wondering.
- 18 MR. WELBERS: Other questions of this
- 19 | witness?
- 20 EXAMINATION
- 21 BY MS. SACK:
- 22 Q. Who maintains the pollinator strip then? Is
- 23 that the landowner, or do your people that come
- out two to four times a year maintain that?

A. So we haven't, like, written out our agreement

fully yet what would be covered by who. I would

assume that he would do that. But if he didn't

have interest in doing that, we would send

MR. WELBERS: Go ahead.

someone to maintain that vegetation.

EXAMINATION

BY MS. SUTTON:

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Q. In other projects that I've read about, there's 96-hour -- not your program, so I don't know -- a 96-hour time between maintenance breakdown and adjusting that problem.

How much time do you allow?

A. I mean, Pivot would like to do it within 24 hours, if we can. That's why we get local contractors, so we don't have to send someone from Chicago or something like that down to make sure that things are being taken care of.

But we have local contractors throughout the United States that would be on site in a short amount of time.

- Q. Do you have a stated time that you report to that site on a maintenance breakdown?
- A. For that specific site?

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1 Q. Or any of them.
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- 2 A. I mean, 24 hours is what we strive for.
- 3 Q. No guarantees?
- 4 | A. I would not have a guarantee, I don't think.
- 5 MS. SUTTON: Thank you.
- 6 MR. WELBERS: Any other questions?
- 7 | (No verbal response.)
- 8 MR. WELBERS: Does our Board have any
- 9 questions?
- 10 MS. SMITH: Yes, I do.
- 11 MR. WELBERS: Go ahead.
- 12 EXAMINATION
- 13 BY MS. SMITH:
- 14 Q. First of all, I understand that you have
- 15 several completed projects in Illinois. Can you
- 16 tell me how many?
- 17 | A. Yeah. So across the United States, we have
- 18 2,000 projects, and then specifically in
- 19 Illinois we have 78 megawatts in operation.
- 20 | Q. You have what?
- 21 | A. 78 megawatts.
- 22 | Q. How many projects specifically?
- 23 A. It's about 15.
- 24 | Q. 15, okay.

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1 A. And then we also have a hundred in development -- megawatts, not projects.

- 3 Q. Where are the 15 located?
- A. So they are in multiple counties throughout

 Illinois. So Marion County, Putnam, Clinton

 County, LaSalle. I'm trying to think of -
 Kankakee. Those are our main ones that we have

 in Illinois.
- 9 Q. Okay. Are you a participant in the Illinois
 10 Adjustable Block Program?
- 11 | A. We are.
- 12 Q. Can you explain how that works for the folks?
- A. Yes. So that is basically working with the

 State to produce credits. So we would produce

 the power, and then we'd have subscribers

 subscribe to that project. Then in addition,

 the credits would be going through the State and

 we get a rebate for those costs.
- 19 Q. What happens to the electricity that is not 20 being utilized?
- A. Well, optimally we would get a hundred percent subscription. So that's always the goal. And for all of our projects that we do have already, we are at a hundred percent subscription. So I

1 don't think that would be a problem.

- Q. Can it be stored?
- A. It could if we had batteries, but we don't have batteries. But we wouldn't interconnect more than 5 megawatts. It goes to the grid and can be used amongst the grid. So it's not like it just stays around on the site.
- 8 | Q. And you have no federal involvement?
- 9 A. No.

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- 10 Q. Okay. I understand you're a certified B
 11 corporation. Can you define that in simple
 12 terms?
 - A. So it's a very high standard to reach. It's only about, I think, 5,000 companies across the United States that have that certification. To reach that, you have to meet a lot of hurdles that have pretty high bars.

So that means we're investing in the communities that we are working with, that we're, like, an active participant in making sure that our communities are growing and that we're doing things correctly so we are not doing environmental hazards or overproducing CO2. All of these things we're staying below the bar.

1 It's really difficult to meet those. As well as

having a workforce that is representative of

3 what they're looking for.

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- 4 | Q. And how large is your workforce?
- 5 A. So our company, we have 186 employees.
- understand you're going to map that all out. So let's say the project is up, and the next year

the farmer is out in the field surrounding, the

beans and corn and all, and there's a broken

Getting back to the tile situation.

tile. Are you responsible -- this is outside of

the project, that you already worked there and

you've -- equipment around there and you may

have broken it in the project and then down the

road.

- 16 A. Sure, I get your question.
- 17 Q. You understand where I'm -- okay.
- 18 A. So for this specific site, what we're planning

19 to do is a vegetative easement. So even outside

of the fence, like where the rest of our site

would be, we'll have, like, access to. Because

we're going to be paying them -- Crane to

maintain it and do the remaining corn farming.

So we would be liable for that, and it

- 1 | would fall under our AIMA agreement.
- 2 | Q. So you would go in there and fix the tile and
- 3 | whatever needed to be done?
- 4 A. Correct.
- 5 Q. On the racking systems, where are the panels
- 6 built?
- 7 A. So there's a couple of different places.
- 8 Q. Where do you get them from?
- 9 A. Yeah, I was going to get there.
- 10 So India, China. There's a big push for
- 11 U.S. panels that we are looking into, but it's
- 12 | pretty -- there's not a lot being produced in
- the U.S. as of yet.
- 14 For this project, we haven't procured
- panels yet. So I'm not sure exactly where, but
- that's generally where we get.
- 17 | Q. But there is some in the United States?
- 18 A. There are some, yes.
- 19 Q. Will you try to purchase them in the United
- 20 States if it's available?
- 21 | A. Yeah.
- 22 | Q. Or is there a large expense differential?
- 23 A. I mean, there is, but we're -- we have a team
- that is constantly looking at procurement and

1 how we can do procurement within local areas.

2 It's pretty new, so a lot of these companies

don't have the bandwidth or the amount needed to

4 do all of these projects.

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So we work with different companies to identify, like, who has supply at that time that we're building and if they're available. So definitely possible.

- Q. When you're installing this racking system, the posts that go down into the ground, how deep do those posts go?
- 12 A. It can range, depending on the geotechnical report.
- 14 Q. For this project?
- 15 A. For this project it would probably be 6 to 10 feet down.
- 17 Q. So 6 to 10 feet they're going to go down. Now,
 18 in your project book that you gave each one of
 19 us it says you will -- at decommissioning that
 20 you will remove anything that's 5 feet. What
 21 about those that goes between 5 and 10 feet?
 22 Are they going to stay in the ground or are they
 23 coming out?
 - A. So that more refers to, like, the electrical

equipment because it goes to, like -- not as
deep as 5 feet. But the posts would be removed

3 from the ground.

- 4 Q. They would be removed?
- 5 | A. Yes.

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- Q. Okay. And where will your maintenance crews
 travel from and your site techs? You mentioned
 Chicago, but, you know, are you going to have
 someone that is local, closer than Chicago, that
 if you have an emergency like this young lady
 spoke about?
 - A. Yeah, so Crane will be the one doing, like, the vegetative maintenance on the site and doing, like, the hay farming and whatnot, and he obviously lives in Bureau County.

But then throughout the state we have contractors that we use. So we have our own operations and maintenance team that has, like, identified different contractors in local counties that we have projects in each of those counties. So I don't know the exact contractor.

- Q. But there are some that are closer than Chicago?
- 24 A. Right, correct.

1 Q. And one last question. We talked about the

panels, and I know they move and whatnot.

There's a reflective coating on there so they won't give a glare?

- 5 A. Uh-huh.
- Q. Does that reflective coating wear off? Is it repurposed in so many years? Or what's the situation with that?
- 9 A. Not that I know. I think it's just good to go throughout the entirety of its lifespan.
- What if they develop -- we have a lot of ice 11 Q. and snow around this area. 12 So what if they get loaded with ice and snow? Is there someone that 13 14 comes -- I mean, hopefully they are going to melt when the sun comes out, but there are days 15 when we don't have a lot of sun around here. 16 So 17 what happens then?
- A. So they naturally will be tilting throughout
 the day. So for tilting, like, projects like
 this, it does usually slide off throughout the
 day. But if a little bit stays on, it's not the
 end of the world for us.
- Q. I have seen some on the homes that still stays there.

1 A. Right.

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- 2 Q. But this is different because of the movement?
 - A. Right, because it will be tracking, so it will, like, slide off.

MS. SMITH: Thank you.

MR. WELBERS: Any other questions from our Board?

(No verbal response.)

MR. WELBERS: Are you the sole witness for this project? You have no one else?

MS. READ: So the landowners are both here and my colleague. They signed the sheet, but they'll speak if they feel inclined. But I'm here to answer any questions.

MR. WELBERS: Are they inclined? I guess that would be the next question. Are the landowners or your colleague inclined to testify? Anything you would like to put into the record? If you do, you come up -- you come forward and get sworn in.

Now you get to relax, if you would like to.

MS. READ: Does he stand at the -- this?

MR. WELBERS: He'll take over and be sworn

You can take a chair, if you would like. 1 in. 2 CRANE SCHAFER, being first duly sworn, testified as follows: 3 COURT REPORTER: 4 And can I have you state your name and address and spell your last name. 5 MR. C. SCHAFER: Crane Schafer. Last name 6 7 is S-C-H-A-F-E-R, 609 East Peru Street, Princeton. 8 9 MR. WELBERS: Okay. Mr. Schafer, what would you like to add? 10 MR. C. SCHAFER: Well, I think everything 11 12 has been pretty well covered. It's great to hear all the questions and everything. 13 But what I wanted to add is, I just wanted 14 to convey what Merrill was staying. I will be 15 the one taking care of the fence rows, the 16 17 ditches, the hay and the corn. I take pride in 18 all that. So I would just like to say that's not going to be an issue, any problem with it. 19 That's all I've got to say. 20 21 MR. WELBERS: Let's see if there's some questions. 2.2 23 Kris, do you have anything? MS. DONARSKI: I have none. 24

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MS. SACK: I just wanted to say, make sure 1 2 you have a written agreement as to how it's going to be maintained and what you will be 3 allowed to do and not allowed to do on the 4 5 property. MR. C. SCHAFER: Thank you. 6 7 EXAMINATION BY MS. STETSON: 8 9 Q. How many years is your contract for? MS. SACK: Do they have the option to 10 renew, if they wish? 11 12 MS. READ: Can I come back up here? MS. DONARSKI: This is -- we can't just --13 14 we have a question for him, so Merrill is not up. So he needs to answer. So if he doesn't 15 16 know --MR. WELBERS: If he doesn't know, he 17 doesn't know. 18 MS. DONARSKI: He doesn't know, but then 19 she can --20 2.1 MR. WELBERS: Come back. MS. DONARSKI: -- come back and you can 2.2 23 ask her. MR. WELBERS: If you don't know the 24

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1 answer, you can just say that.

2 A. I better say I don't know. I think I know the answer, but I'm not going to --

MR. WELBERS: If you don't know, you don't know.

EXAMINATION

7 BY MS. SACK:

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Q. Are they sharing with you where this bonding money is going to be? Or does the County have some requirement in place of bonding for solar?

MS. DONARSKI: You're asking Mr. Schafer?

MR. WELBERS: And he may not know the answer to that.

A. I don't know the answer to that.

MS. SACK: Okay.

16 MR. WELBERS: Anything else for

Mr. Schafer?

MR. C. SCHAFER: I will say that Merrill has been fabulous, working with her. She's guided Carolyn and I all along. So I'm confident things will work out.

But that would be a question for her.

MR. WELBERS: Does the Board have any questions of the landowner?

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(No verbal response.) 1 MR. WELBERS: Okay. I think you can 2 relax. 3 MR. C. SCHAFER: Terrific. 4 MR. WELBERS: Would you like to come up 5 and clarify the answer to the question? 6 7 Can you just answer your question again Merrill is back. now? 8 9 MS. SACK: Well, I think from him not knowing, it's obvious he doesn't know what kind 10 11 of a bonding -- is there a bonding agreement 12 with the landowner? So as part of our 13 MS. READ: Yes. 14 stipulations in the lease, we say that we're going to be decommissioning the project. 15 16 then under the agreement with the AIMA, which as 17 I mentioned before, as well as with the County, 18 we'll have to put that money up with access to the County so that anybody can draw from it to 19 decommission the project, most likely it would 20 2.1 be Pivot, at the end of the lifecycle. Anything else with Merrill? 2.2 MR. WELBERS: 23 MERRILL READ, having been previously duly sworn, was examined 24

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and testified as follows: 1 2 **EXAMINATION** BY MS. HOOS: 3 4 What is the typical lifespan? MS. WELBERS: Sandy Hoos. 5 COURT REPORTER: 6 I am sorry, your name? 7 MS. HOOS: Sandy Hoos, H-O-O-S. So they're warranted for 30 years, the panels 8 Α. 9 that we use, and they lose about 1 percent of their production every year. So at that 30 10 11 years, they would still be very well-usable. 12 They will still produce at 70 percent. that's why they're reusable, donateable, but we 13 14 tend to use the highest production. To whom? They're donateable? 15 Ο. To a lot of people. So third world countries 16 Α. will take them oftentimes to have better 17 18 electricity in their communities. Also people want them on their roofs, in their backyards. 19 There's a big market for renewable energy reuse. 20 2.1 MS. STETSON: Connie Stetson. **EXAMINATION** 2.2 23 BY MS. STETSON: So you sell the used ones to people who put 24 Q.

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1 them on their roof. That sounds like you're --

- 2 | A. I mean, we could.
- Q. It just sounds like you're selling them the end-of-the-life part of it, just sitting on the roof. It's just the way you said that.
 - A. They're definitely cheaper at that price locally, but that's also why we donate most of our panels at the end of their life.

EXAMINATION

10 BY MS. SACK:

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- 11 | Q. So the company has had --
- 12 COURT REPORTER: Okay. I am going to stop
 13 you.
- MS. DONARSKI: She has to take that all down. So just one at a time, and everybody will get a turn. Thank you.
- 17 MS. SACK: Susan Sack.
- Q. (By Ms. Sack:) So has your company
 decommissioned any at this point and recycled
 them to other --
- A. No, we have not, because we have been around since 2009. So all of our projects are still in their lifecycle.
- MR. WELBERS: Does that cover it for

Merrill? 1 2 (No verbal response.) Okay. I think you can relax 3 MR. WELBERS: 4 now. Now comes for those that might want to 5 come up and express their thoughts, their 6 7 concerns or things like that. Would you like to come up first, as a 8 9 neighboring landowner? You'll be sworn in and all that. 10 11 DAN SCHAFER, 12 being first duly sworn, testified as follows: COURT REPORTER: If I could have you state 13 14 your name, address, and spell your last name. MR. SCHAFER: Dan Schafer, 19644 - 2200 15 North Avenue, Princeton, Illinois. 16 17 MR. WELBERS: Go ahead, tell us what your 18 thoughts are. MR. SCHAFER: Okay. I live on the home 19 farm right there next to it and I farm the farm 20 21 north of the solar farm. I've redone the house there and redone it. Nobody's going to want to 22 live in that house that's 600 feet from the 23

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solar farm.

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And right across the road, I have that 80, 1 and I'm concerned about wind shear. Because 2 when those panels flatten out, they come in the 3 4 heat of the day, that's when the storm is coming Who's going to cover the down crops? 5 across. The home farm was named in 1915 to 6 Clearview Farms. So there's history there. 7 The wind shear is going to be major, and 8 9 the house value is going to be major. Because nobody is going to want to live 600 feet from 10 11 it. Your home is not there? MR. WELBERS: 12 MR. SCHAFER: My home is a half a mile 13 14 west, and then I have another home. MR. WELBERS: 15 Then you own that home that's just to the north? 16 17 MR. SCHAFER: Yup, 600. 18 MR. WELBERS: And you've redone it. It's all been redone. MR. SCHAFER: 19 MR. WELBERS: And you're concerned about 20 2.1 its property value? And, in fact, there's a 2.2 MR. SCHAFER: 23 young couple that moved in across the road, just moved in, and they didn't know nothing about 24

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this. So if the home values drop, they're
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         caught in a bad way.
                             Anything else?
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              MR. WELBERS:
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              MR. SCHAFER:
                             No.
              MR. WELBERS:
                            Any questions of this
 5
         witness, Chris?
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              MS. DONARSKI: I have none, thank you.
              MR. WELBERS: Let's ask if anybody else
 8
 9
         does.
              Anyone else have questions of this
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         witness?
11
                        (No verbal response.)
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              MR. WELBERS: Does the Board?
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14
                        (No verbal response.)
                             Is there anyone else that
15
              MR. WELBERS:
         would like to express an opinion?
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              Would you come forward, please, as
         Mr. Schafer did?
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                       CAROLYN SCHAFER,
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         being first duly sworn, testified as follows:
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2.1
              COURT REPORTER:
                                If I could have you state
         your name, address, and spell your last name.
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23
              MS. SCHAFER: Carolyn Schafer, 609 East
         Peru Street, Princeton.
                                   S-C-H-A-F-E-R.
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1 Pardon me, I have a cold.

I just wanted to address a couple things that Dan's concerns are. One is for the house to the north that he just mentioned, but in -- I believe if you're in that house, you actually wouldn't even be able to see this field because there's a big machine shed to the south of the house.

And I know that you are a believer in solar, right, because you have solar panels, too, on your properties.

Obviously I can't -- I don't know anything about wind shear. Merrill, you know, talked about that and the studies. But I don't think, having been a real estate agent, and I'm an accountant, that you would see much decrease in value, if any. A lot of people are really supportive of solar panels here in Princeton. You know, there's been discussion about in the city.

I think that is maybe an open-ended question, in all fairness. I don't think you can just presume that any value would go down, since they're not just literally across the

- 1 streets. It's a ways away.
- 2 EXAMINATION
- 3 | BY MR. WELBERS:
- 4 Q. Can we visit that a little bit? You said a
- 5 real estate agent?
- 6 A. I was.
- 7 Q. You have a background in real estate?
- 8 A. Uh-huh, a long time ago.
- 9 Q. How long?
- 10 A. Probably about 20 years. I thought I would not
- 11 be -- I was going to go out -- I worked in
- 12 Mendota -- go out of the accounting. So I
- 13 started in residential. Not really farm,
- 14 although I could have sold it, but residential.
- 15 | Q. And how long did you do this for?
- 16 A. Probably about eight years. And the accounting
- didn't go away, so I stopped doing it.
- 18 Q. And so in order to get that, you had a real
- 19 estate salesman's license?
- 20 A. Correct.
- 21 | Q. With the State of Illinois, you took whatever
- 22 training was required for that?
- 23 | A. Correct.
- MR. WELBERS: Is there anything else you

would like to visit or would like to say? 1 2 MS. SCHAFER: No. I'm excited about this I think it -- there are a lot of 3 project. We spoke with a number of solar 4 positives. companies, and Pivot had the most information, 5 could answer any questions we asked. 6 7 Somebody had asked if the lease is renewable. It is renewable upon agreement by 8 They were just very helpful, very 9 both parties. knowledgeable, lots of information, and trying 10 to do things step by step. 11 12 There's some things there's no reason to attack yet, until we find out if we are granted 13 14 this Variance. So I think they are taking things in a measured step, step by step, so to 15 not get ahead of ourselves in this. And that's 16 it. 17 Questions of this witness? 18 MR. WELBERS: MS. DONARSKI: I have none. 19 MR. WELBERS: 2.0 Anyone? 2.1 MS. SACK: Just a personal question. Restate your name. 2.2 MR. WELBERS: 23 MS. SACK: Susan Sack.

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EXAMINATION

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1 BY MS. SACK:

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- Q. Have you talked with the Illinois Farm Bureau and their attorneys about recommendations on
- 4 contracts for solar?
 - A. I have not, but we did -- right off the bat we took the contract to our personal attorney, who worked on windmills way back when and has seen many solar contracts. So we did get an attorney's advice, yes. Thank you.
 - MR. SACK: I do have one. Bruce Sack.
- 11 EXAMINATION
- 12 BY MR. SACK:
- 13 Q. You say you're in real estate?
- 14 A. I was. I'm not anymore.
- 15 Q. Does that really have any -- this is a whole
- new market here, with something -- somebody
- 17 living next to some of this stuff. I getcha.
- 18 You know, I'm just trying to get that clear?
- 19 | A. Yeah.
- 20 | Q. I getcha.
- 21 A. As I said, that was a long time ago. This is all very new.
- I think -- you know, I think any of us could see a concern if there's, you know, a

field here of solar panels and a house here, as opposed to a field of solar panels and a house over here with farm buildings around.

You know, and, I mean, our goal is to do something good. You know, it's good for Pivot, it's good for us and our children and the ability to keep this land for future generations, but it's also good for the community.

I didn't even realize this part about you can go in and sign up with Ameren. And even before it -- you know, presuming this is approved, even before this particular field would be built and online, you can go in and sign up with Ameren and get a reduction in your electricity based on other community solar projects. Then you can always transfer it over to, you know, a community project that is in your area.

You know, we all pay high electricity bills. So I think, you know, it's good for different aspects, in different ways of this county.

MR. WELBERS: Go ahead, Connie.

1 MS. STETSON: Connie Stetson.

2 EXAMINATION

- 3 BY MS. STETSON:
- 4 | Q. Do you live anywhere next to this? Or are you
- 5 anywhere around it?
- 6 | A. No.
- 7 | Q. So your --
- 8 A. My husband grew up on --
- 9 Q. So you're considered an absentee landowner?
- 10 A. We live on Peru Street in Princeton.
- 11 Q. So you don't live next to this?
- 12 A. No, we do not.
- 13 Q. So you're considered an absentee landowner?
- 14 A. There's not a residence on this property, no.
- MR. WELBERS: Any other questions?
- 16 (No verbal response.)
- 17 MR. WELBERS: Thank you, Mrs. Schafer.
- 18 MS. SCHAFER: Thank you.
- MR. WELBERS: Anyone else that has
- something they would like to testify to?
- 21 (No verbal response.)
- MR. WELBERS: It looks like we're at the
- 23 end of our testifying.
- MS. DONARSKI: Would you like me to read

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1 the extra terms and conditions into the record?

MR. WELBERS: Let me discuss with you what troubles me before you do that.

MS. DONARSKI: Okay.

MR. WELBERS: You know there's another case tonight also where some unanswered questions were unanswered, that we're -- got to get to an answer. And what comes to mind here, that's why I was so interested in Mrs. Schafer's real estate background, a question by Mr. Schafer over here that it would adversely affect the property values.

And we really don't know if that's true or if it's not. There isn't any expert testimony to tell us. And I would be inclined --

Then there's also the question that you asked, I think had to do with heat reflection, that the Applicant said there are studies on. That I think, you know, rather than mail it to everybody later, we're supposed to create the public record here. If there is some study, I think it ought to be presented.

And then, of course, the third, which we have done zoning for solar projects before. The

wind shear, as Mr. Schafer calls it, has never come up. I don't know.

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So those are three unanswered questions that would make me want to incline to roll this over for another month. Now, I'm only one member of the Board. But if that's what was going to happen, to come back and answer those questions, then we could read that then and we could get on with our next case.

MS. DONARSKI: That's fine.

MR. WELBERS: I'm only one member. My other Board members may have a different opinion on that.

What do you think?

MR. QUEST: I believe our job is to create a record so that the County Board can make a solid decision.

MR. WELBERS: Yes.

MR. QUEST: There's some big holes there that we don't have answers to, I believe.

MS. SMITH: I agree.

MR. JENSEN: I agree.

MR. WELBERS: Merrill, we would like you to come back, and we would like to answer

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basically those three things, if you wouldn't mind coming back in a month.

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Now, you don't intend to build for a year, so I think you probably have the time.

MS. DONARSKI: Can you say the three things again so that everybody is clear?

MR. WELBERS: The three things have to do with:

Is there or is there not an adverse effect on neighboring properties? Mr. Schafer testified he owns a dwelling, and it isn't that far north, as he's testified. He said 600 feet. Is there an adverse relationship? You know, we need some real estate market studies.

If Mrs. Schafer, in the back, could have -- was a real estate appraiser, I would have grilled her right now. But she's truthful. She said, It's been 20 years and I was only selling real estate.

It's a concern and it's one that we're trying to get to the bottom of on the next case that we have, and hopefully we will, and we, as a Board, can learn a little bit more. I mean, I know what my hunch is, but that's not -- we're

not here about my hunch. We're looking for some sort of a market analysis that says, Well, no, it doesn't affect it. Or if it does, you know, Here's the effects it would have. That's one.

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The other -- again, this is new.

Mr. Schafer talks about what he calls wind shear. Wind shear, I think, in aviation is a very bad thing. Wondering if these -- the wind is just going to blow over the top of these things and lay his crops down across the road. We don't know that. That's never been presented to us before.

This third had to do with Mrs. Sack's question on, you know, will these things increase the heat in the region? You know, will it be hotter because these things are there absorbing the sun's energy?

Merrill, you said there are studies on it that you would send to them. We would like you to go ahead and bring them here and lay it there, find out what it is.

You do have in your testimony that these devices are intended to absorb the sun's energy and not reflect it back. I suspect you will

probably be able to demonstrate with those studies that raising the heat in the neighborhood isn't likely to be an outcome.

But again, if you have those studies, we would like to have them here.

MS. READ: Yes, so I'll start by saying, first of all, that, no, it would not have an impact on the neighboring properties. And I'll get some more evidence for that.

We have also -- I have spoken with Dan in the past, previously, when we were having our community meeting, and I have offered him budgeting for screening on his own property, because that's usually more effective in, like, visual screening, which I know some people just don't like to look at solar panels. He has -- his residence is, like, a thousand feet away, but we were offering that. He declined it.

So talking more about the questions that you asked specifically, I'll start with the property value reduction. So there are two studies that I can talk about right now. First is Lawrence Berkeley National Laboratory conducted a study of 956 solar projects across

the United States of similar size to what we're proposing and consulted with 400-plus property value assessors, and they came to a conclusion that no impact to property value would result from these solar projects, these small 5-megawatt community solar gardens that I'm talking about today.

Another one, Pivot worked with a third party that had no bias to conduct its own study in Illinois itself. So that's CohnReznick did a study on --

MS. DONARSKI: Can you spell that for the --

MS. READ: So that's C-O-H-N-R-E-Z-N-I-C-K.

And they did a study on projects that were -- had solar from 2016 or before with, like, houses that had solar next door to them versus houses that did not of similar value in area and agricultural areas. They said there's no impact. If anything, it's a beneficial thing that people want to be a part of, is what they came out with.

So I can safely say, between those two

studies that I have named, that there's no value impact. That it wouldn't go down.

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Then the second one was wind shear. That is something that I talked about with Dan earlier. So solar panels are in the -- it's not like a sheet of solar, where it's just, like, blocking things and redirecting it in every which direction. It's panels that are spread out 22.5 feet, is what we're proposing here, and they are actually considered an impervious surface by the federal government. So that it's not something that's going to be like a concrete pad that's not letting water through or something like that or any of the wind around there changing that. Again, it's not like a fixed building that's angling wind in any sort of direction.

So there's no evidence of wind shear, nor any studies that suggest that there would be.

Then what was the third thing?

MS. SACK: Heat sink.

MS. READ: Heat sink, yes. As I have mentioned before, there are studies for the tower solar, where it's directing solar and

reflecting it to a tower that collects solar.

And that could be found in, like, very rural parts of Nevada, Arizona, not near places, because it's literally reflecting light not near

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airports.

So we also have sign-off from the FAA that states, like, that we can be there, no hazards determined by them. That includes not producing wind shear, not increasing heat. All of these would not be approved by the FAA if that was a problem. We also have projects that are on actual airports. So they're not able to do those things if they are on the projects.

I hope that was helpful in answering some of your questions.

MS. SMITH: I have a question.

Regarding the property values, in your presentation book, on Page 12, you have a paragraph at 8.35-2, the second paragraph, and it states: In addition, studies performed in LaSalle and Winnebago Counties in Illinois have concluded that solar PV ground-mount arrays have not affected property values when comparing the analyzed sale price of single-family homes and

agricultural land that adjoins solar farms.

Overall, the project will not diminish the value

of land on the surrounding properties.

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How about presenting those studies?

MS. READ: Yes, I mean, that's included, I think, in the CohnReznick one I was mentioning.

MS. SMITH: You know, to the group.

MS. READ: I mean, I have the hard copy.

I have it on my computer, if you want me to read
the entire study into the record?

MS. SMITH: When you come back, I mean.

MS. READ: And we do meet -- we're not asking for any Variance. We do meet all the conditions in your Ordinance for a solar project.

MR. WELBERS: I'm sure that you would like to close the case tonight, and you have answered some things that -- at least you have addressed these things. I would like to carry it one month and then come back and hear something further, especially on property values. That troubles us. You have talked about here. If there's anything further that you can volunteer.

You have said -- the studies in LaSalle

County is the nearest? 1 MS. SMITH: LaSalle. 2 That's fairly close. 3 MR. WELBERS: What other counties? 4 MS. READ: It was LaSalle and Winnebago. 5 MS. SMITH: LaSalle and Winnebago County. 6 7 MR. WELBERS: Which is up near Rockford. I would think still pertinent. Who did those 8 9 studies? MS. READ: That was CohnReznick. They are 10 11 a firm that specializes in consultation and is really well-renowned. 12 MR. WELBERS: Did they study that for your 13 14 project? Not for our specific project. 15 MS. READ: We just wanted to have a study that actually got 16 17 into non-biased what property values look like, 18 because this is obviously a question that we get So we had a third party go in and do 19 20 that, and they've worked with dozens of property 2.1 assessors, jurisdictions like Bureau County. I'm not sure if they were part of that research, 2.2 23 but they reached out to a bunch of different

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people, like real estate agents, who know that

jurisdiction a lot better than I personally do.

So that's why we --

MR. WELBERS: You had a third party that did that?

MS. READ: Yes.

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MR. WELBERS: Would a member of that third party be able to come and testify to the results of those studies? Would they be able to come here?

MS. READ: I would have to ask them, but I definitely have people -- all of their accolades are listed throughout that report, the people who did that report, and they are all very well-known as people in Illinois for doing that work.

MR. WELBERS: It would help to have some expert testimony regarding that for us to make -- our Zoning Ordinance says that we are not to diminish neighboring property owners in things that we do. As much as we want landowners to be able to develop their property, you know, that's what's zoning is about.

So, again, it's not up to me, it's up to the Board, but I think we have another case to

hear where we thought it was incomplete and it 1 was sent back to us now to try to make it. 2 That's what we are going to do. We don't know 3 what we are going to learn because we haven't 4 heard from them yet. 5 Troy, you inspected it. Would you like to 6 7 carry this a month? MR. QUEST: Should I make that motion? 8 9 MS. DONARSKI: You can make the motion. So, yes, I guess I will make a MR. QUEST: 10 motion to table this to our next meeting. 11 12 Which will be? MS. DONARSKI: May 16th. 13 14 MR. QUEST: May 16th at 7 o'clock. MR. WELBERS: Here at the Bureau County 15 Courthouse. 16 17 MR. QUEST: Bureau County Courthouse. MR. WELBERS: 18 County Board Room. Try to provide us some information on that 19 so we have completed our fact-finding. 20 21 MS. READ: Yeah, we'll submit studies to the record prior to the hearing. 2.2 23 That would be nice, yes. MR. WELBERS: So while our --24

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MS. DONARSKI: We have to have a second. 1 I'll second that. 2 MR. JENSEN: MR. WELBERS: Okay. We didn't second 3 4 that. I got distracted. I thought there was. Do you want to call the roll or all in 5 favor? 6 7 MS. DONARSKI: We can do all in favor. MR. WELBERS: All in favor of that. 8 9 (Jensen, Smith, Quest and Welbers simultaneously responded.) 10 11 MR. WELBERS: Opposed. 12 MR. STUTZKE: Nay. MR. WELBERS: That's what we are going to 13 14 do. We'll see you next month. MS. READ: Thank you, everyone, for 15 16 listening to me today. I appreciate you taking the time to hear more about our project. 17 18 MS. DONARSKI: So all the people here for this project, that will be until next month. 19 It's May 16th, 2023, at 7 p.m., right here in 20 2.1 this room. Thank you. We won't be sending more This is your notice of the next 22 notices. 23 meeting. Thank you. 24

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(The hearing was concluded at
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                              8:44 p.m.)
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1	Now on this 18th day of April, A.D., 2024, I do
2	signify that the foregoing testimony was given
3	before the Bureau County Zoning Board of Appeals.
4	
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6	
7	Parry Walborg Chairman
8	Barry Welbers, Chairman
9	
10	
11	
12	Kristine Donarski,
13	Zoning Enforcement Officer
14	
15	
16	Caccie S. Bod mer
17	Callie S. Bodmer
18	Certified Shorthand Reporter Registered Professional Reporter
19	IL License No. 084-004489 P.O. Box 381
20	Dixon, Illinois 61021
21	
22	
23	
24	

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