BEFORE THE OHIO POWER SITING BOARD

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In the Matter of the Ohio:
Power Siting Board's:
Review of Ohio Adm Code: Cas

Review of Ohio Adm. Code : Case No. 21-902-GE-BRO

Chapters 4906-1, 4906-2, : 4906-3, 4906-4, 4906-5, : 4906-6, and 4906-7.

PROCEEDINGS

before Mr. Michael L. Williams, Administrative Law Judge, at the Ohio Power Siting Board, via Webex, called at 1:30 p.m. on Monday, October 4, 2021.

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Monday Afternoon Session,
October 4, 2021.

2.1

ALJ WILLIAMS: We'll go on the record.

Good afternoon and welcome, everyone. My
name is Michael Williams. I am an Administrative Law
Judge in the Legal Department of the Ohio Power
Siting Board which I will reference as the Board
throughout today's proceeding.

I have been assigned by the Board to conduct a workshop in Case No. 21-902-GE-BOR which involves the review of the Ohio Administrative Code Rules in Chapters 4906-1 through 4906-7 which in general involve the Board's authority to regulate the certification and operation of major utility facilities within the state as described in Revised Code Chapter 4906.

Due to the continuing COVID-19 emergency and in order to safely accommodate the public, today's workshop is being held through Webex which enables interested persons to witness the workshop and offer comments on the proposed rule adoption by telephone or video on the internet. I would also note that the event is being aired via YouTube and will be available for future viewing through the

Board's website.

2.1

Before we get started with the workshop,
I would like to address some preliminary issues.
First, if you experience technical difficulties
during the workshop, we have several options. If
your internet connection drops at any point, you can
try to join the Webex by video again, or you can
participate by phone. If those options are
unsuccessful, please call the Board's Legal
Department at (614) 466-6843 for immediate
assistance.

Finally, if you merely wish to listen to the workshop using your phone instead of accessing via Webex on the internet, you can listen to the workshop by dialing 1-408-418-9388 and entering Meeting No. 1793131366 when prompted.

More information about the Webex technical help options can be obtained in the chat feature which will be available throughout the workshop. You may click on the chat button at any time to obtain technical assistance or to ask procedural questions during the workshop.

The chat feature should not be used for any other purpose such as to offer comments about the proposed rules that are subject to today's workshop.

Please be aware chats are recorded and should not be considered private. Further, chats are also not part of the official record in this case.

2.1

During today's workshop individuals who have registered to provide comments should speak when I read their names from the registration list.

Individuals who are commenting will be unmuted by a Board Staff member, Micah Schmidt, when it is time for their comments. If you are providing comments by telephone, a Board Staff member will call you at your phone number when it is your time to comment.

Please bear with us as we work to queue up those that are commenting individually by phone or otherwise. We ask that you keep your comments to a reasonable length of time and avoid repetitive comments.

To avoid unnecessary background noise, we will keep your microphone on mute unless you are commenting. Again, if you have questions about this process as the workshop proceeds, please use the chat function.

Micah Schmidt is our web event host who will be overseeing the event on Webex. We have additional staff who are helping to facilitate the workshop and monitoring the chat function.

Now, with those preliminary technical issues out of the way, we will officially start the record. I know we have been on record, but we'll open the record for today's proceeding.

2.1

The Ohio Power Siting Board as scheduled for hearing at this time and place Case No. 21-902-GE-BOR which is captioned in the Matter of the Ohio Power Siting Board's Review of Ohio Administrative Code Chapters 4906-1, 4906-2, 4906-3, 4906-4, 4906-5, 4906-6, and 4906-7.

My name is Michael Williams, and I am the Administrative Law Judge assigned by the Board to preside over today's workshop. Today's workshop is a further step in the rulemaking process regarding whether modifications should occur to the rules at issue.

As we begin today's workshop, a bit of history is helpful. The Board began the informal evaluation of the rules at issue at the beginning of March of 2020. The Board conducted three stakeholder engagement meetings on March 11 of 2020, March 12 of 2020, and May 12 of 2020 to gather information as to what changes to the rules may be beneficial to the public as well as major use of utility facilities that operate or seek to operate in the state.

In connection with those meetings, the Board pledged that it would conduct multiple workshops as it begins the formal rule evaluation process. And today's workshop is in follow-up to that pledge. I did have an additional in-person workshop this morning and there is another virtual workshop session set for Friday morning.

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As described in the September 2021 entry that scheduled today's workshop, the Board is interested in comments as to all of the rules described in the case but there is an emphasis on issues that involve the process for considering certificate applications for electric generation facilities, electric transmission facilities, and gas pipelines including the potential for implementing a new rule that would be specific to electric generation facilities associated with solar panels.

I also note that the scheduling entry at pages 2 and 3 identified 13 topics to assist stakeholders in preparing comments. That list is certainly not intended to be exhaustive and the Board welcomes all comments as to the issue being considered.

Now, following today's workshop, Board
Staff will review the comments received and determine

recommended changes to the rules. After Staff's review, the Board will open this case for formal written comments to be filed later in this docket.

Once the written comment period is concluded, the Board will consider the adoption of rule changes or additions within the Ohio Administrative Code.

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I want to stress that today's workshop is your initial opportunity to provide feedback on the consideration of the proposed rules. Also nothing said today will be considered binding on any of the interested stakeholders. Binding recommendations will be part of the formal written comment proceeding that will follow today's workshop. I would also emphasize that today's workshop is not intended to discuss any case or pending proceeding currently before the Board.

This workshop is being transcribed by a court reporter from Armstrong & Okey. If you plan to testify, please speak clearly so that the court reporter can accurately reflect your comments on the record.

Also, if you have a prepared written statement, it would be helpful to provide a copy of that to the court reporter as well which you can do by e-mailing it to the Ohio Power Siting Board at

contactopsb@puco.ohio.gov.

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Now, normally in the context of an in-person workshop as we did this morning, I would simply open up the floor for comments, ask that you come forward and give your name and address and begin speaking, but for this virtual session we will call the people who are presenting in the order that they preregistered in accordance with the instructions from the September 3, 2021, entry, though I do note we have some changes to the preregistration list that was published in the docket in this case.

And I will just go ahead and I guess briefly highlight those at the outset. I have our fourth witness, Sarah Conley-Ballew, is not presenting today and fifth witness, Miranda Leppla, is not presenting today. Our sixth and seventh witnesses, Jason Rafeld and Jamie Mears, have asked to be reversed in order, so Mr. Rafeld will go sixth, and Jamie Mears will go seventh. Hector Garcia-Santana testified live at the morning's workshop, so he will not be presenting. And Jonathan Wygonski may or may not be presenting last on today's agenda. So those are the changes. We will certainly go through those individually as we proceed.

So with that we will call our first

1 | testifying witness, DeAndra Navratil.

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MR. SCHMIDT: You've been promoted. If you can enable your audio and video.

MS. NAVRATIL: Thank you. We do not have any comment today.

ALJ WILLIAMS: Thank you, Ms. Navratil.

Our second commenter is Amy Kurt.

MR. SCHMIDT: You've been promoted. If you can enable your audio and video.

ALJ WILLIAMS: Ms. Kurt, I show you as being on mute still.

MS. KURT: Oh, how about now?

ALJ WILLIAMS: I hear you --

MS. KURT: All right.

ALJ WILLIAMS: -- loud and clear. Thank you very much.

MS. KURT: Let me see if I can get my video here too. There we go.

ALJ WILLIAMS: There you are. We got you. Please identify yourself and where you are from and begin your comments, please.

MS. KURT: Sure. My name is Amy Kurt, and I am the Senior Manager of Regional Government

Affairs for EDP Renewables North America. We are the largest owner and operator of wind farms in Ohio and

the fourth largest owner and operator of wind farms in the country. We have four wind farms in Ohio. They are in Paulding and Hardin County. And we have an operation and maintenance office that hosts most of our staff in Ohio in Payne, Ohio.

2.1

We are really proud to have brought incredible economic development opportunities to northwestern Ohio. Our project has contributed more than \$8 million in tax payments through a pilot program that have helped local schools, roads, fire districts, police departments, townships, and counties in many ways. We've contributed more than \$20 million to individual landowners who are leasing their lands to us to host our infrastructure on their property. We've created more than 500 construction jobs and more than 50 permanent jobs to manage, maintain, and operate our facilities.

I have a few kind of general broad-based comments for the Board to consider today, and then I would like to just echo our support for the association with whom we are members, the MAREC, the Mid-Atlantic Renewable Energy Coalition, as well as ACP, the American Clean Power Association. We'll both be submitting joint written comments, and we support the very -- more detailed responses that they

provided in those written comments as well.

2.1

But, generally, I would like to just say that we really appreciate the Board throwing -- or putting out these overarching questions for industry and others to consider, and we very strongly encourage the Board to provide an equal or even deeper level of opportunity to review and consider more detailed proposals that are put forth.

I think that -- that our industry and renewable energy projects take many years to develop, many years to construct, and are in operation for decades, and major changes whether in law or in rule can have dyer impacts on our ability to do business in the State of Ohio

So we would encourage the OPSB to put forward their proposals and allow for time for our industry to react and to consider what you've put forth, and we look forward to work with the OPSB Staff as they move forward with all of the ideas that are being considered today.

As you know, we've -- we've dealt with a lot of change in Ohio that has made doing business in this state challenging. In particular on the wind side when the legislature enacted extremely stringent setback requirements, it essentially put a stop to

most of our industry's business. EDP Renewables was lucky to have squeaked out one more project under the new setback regime in a community that is very supportive and very familiar with wind because they had experienced other wind farms in the past, and we think that those factors contributed to broader community acceptance of our project because the broader community was able to see the broader benefits that were brought to schools, to the county, and all the various acting entities that were able to benefit from our wind farm. So we would encourage the OPSB Staff to consider those types of changes, whether they are setbacks or lighting or vegetation management.

2.1

I think it's question letter T to the solar industry and the drastic impacts that those types of requirements could have on the ability for the solar energy industry to move forward and for us to move forward building solar projects in the state of Ohio.

I will highlight just a couple of other of the lettered questions. I believe it's letter L that talks about transmission. Transmission is essential to the growth of our business of the renewable energy industry in Ohio on many levels, but

a piece of that transmission story is the generator lead line that allow us to interconnect our projects to the existing grid, and we think that those transmission lines are different than more broad-based transmission development in the state.

2.1

Oftentimes the lines that we build to connect our projects to the grid are much shorter and can be in a variety of voltages, but we very rarely, if ever, would rely on eminent domain to build those lines. So the public interests criteria for the generator we feel should be distinct than just any other transmission line that's being built that may be looking to rely on eminent domain.

All of our projects have had complete landowner support and buy-in as we lease lands for those generator lead lines, those transmission lines, and, therefore, the public interests criteria may not need to be as stringent for other transmission buildout.

The other question that I will highlight is letter Q and there are a couple of other ones, I think it's P, that may involve some of the other studies that have to do with project development. So I think Q talks about the environmental studies or the aviation regulations. Those are essential

studies that we should undertake and essential coordination that must be undertaken between our companies and other state agencies or other federal agencies, for example, the Federal Aviation Administration, FAA, and we appreciate the current regime at the Ohio Power Siting Board that allows developers to start that coordination at the beginning of the Power Siting Board application review process and allow us to complete those reviews and to receive those permits throughout the Power Siting Board process.

2.1

I believe it's the current regulation for wind farms where we have to turn in our FAA permits prior to construction, but we don't necessarily need those in hands when -- in hand when we are submitting our application. That timing flexibility is essential because agency coordination can take many months, as it should, as you are working through the details of your project.

The FAA permits can take many months, oftentimes up to a year to receive from the Federal Government, and we need the flexibility to be able to turn in those permits prior to construction and not have every single permit and every single agency coordination completely tied up prior to or when we

go to submit an application with the Power Siting Board.

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And then I will highlight letter T again. This proposes some very detailed questions to the solar industry about -- and R as well, so drainage, irrigation, stormwater runoff. Sorry. Let me hit on R first. These are all important things to building a successful solar project and we would be happy to provide further information to the Power Siting Board about our plans, for example, to mitigate our impact to field drainage.

But again, I would encourage the Power Siting Board to allow for flexibility to turn those plans in prior to construction. Stormwater runoff management plans, we absolutely do those. That's a part of our NPDES permits but those things come a lot further along in the development stage of your project when you have your final engineering and you have all of your final detailed scopes provided, and we would appreciate the flexibility from the Ohio Power Siting Board to provide those plans and permits later on in the application process.

Additionally, with field drain tile, we know that solar projects will run into drain tile, and we think it extremely important that the Power

Siting Board provide flexibility to developers to not just repair the existing drain tile that is in the solar field today but to actually come up with a new strategy for field drain tile and to provide that plan to the Power Siting Board, the landowner, and the local community to show what we will do to mitigate impacts to drain tile and allow us to actually relocate drain tile around our facilities and ensure that the overall impact to drain tile and drainage in the community is -- is reduced or is the same as it was prior to our project coming in.

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Okay. And then, lastly, I will wrap up my comments with it, T is a loaded question. There is a lot in there and I would encourage the Power Siting Board staff to tread lightly. Any major changes to setbacks, to landscape, to lighting, to perimeter fencing, to noise, to vegetation management, these -- these types of regulations can be project killers.

You may not think that a very slight change to a setback would be a big deal, but with all of the different pieces that come together when you are developing a project, one small change to the regulations can have a very, very substantial impact to our ability to build a project economically. And

I would encourage the Staff to work closely with industry and with communities on coming up with regulations that can allow us to move projects forward in the state of Ohio unlike what the legislature did with setbacks for the wind energy industry.

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So with that I would again express my appreciation for accepting comments, particularly on the web and virtually, as it is difficult for many of us to travel, and we really appreciate you opening this opportunity up to take comments in so many different ways at so many different times.

 $\label{eq:And so I will end my comments there.}$ Thank you so much.

ALJ WILLIAMS: Ms. Kurt, if you would hang on for just a second. Okay. I still have you.

I have one question or point of clarification and one comment on my own. So in terms of the separating generator lead lines from transmission lines generally, would you propose a definition for generator lead lines? Would that be based on length of the line or how would you define that?

MS. KURT: It's hard to -- thank you for your question, Mr. Williams. It's hard to

differentiate the lengths because we've had some projects where the gen lead line is 500 feet, and we've had other projects where the generator lead line is 2 miles, but I think for us that the differentiating factor is we get full landowner -- we acquire all of our land from -- from landowners through negotiated leases that are -- that require full landowner buy-in.

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ALJ WILLIAMS: So the definition you would propose would be based on control of the land rights.

MS. KURT: I think so. And I will caveat that one -- one piece further is I believe, and I will have to double-check, but we -- we may have come before the Power Siting Board in the past with a project where we might not have had all of the land leased when we applied for our certificate, but we had all of the land leased by the time we were providing our certificate.

So I don't think that you should require all of the land to be leased at the initiation, but I do think that the difference is that we are not asking you for eminent domain authority.

ALJ WILLIAMS: Okay. And that segue is nice into my comment to the extent there are

industry-specific mechanics that -- as a for example, obtaining the FAA permission involves this level of lead time and this level of detailed information regarding specific siting; again, as a for example, the more information you can share with the Board regarding those specifics and those mechanics at the -- at the comment period, the more helpful it will be. So if there are issues that you are aware of that FAA permission now takes, you know, 14 months and has to be very site specific when it used to take 4 months to get a general, those sorts of issues, it would certainly be helpful to the Board in the comment phase.

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MS. KURT: Sure. I appreciate that.

It's tricky because it's ever changing, right? So one project you might have an FAA permit in 9 months, and other projects it might take 14 months. You just -- you don't necessarily know at the outset so that's again one of the reasons why we appreciate the flexibility in not having to provide every single permit from every single external party or external agency at the beginning of the process but to be able to provide those before construction.

ALJ WILLIAMS: Okay. Thank you for your comments.

MS. KURT: Thank you.

ALJ WILLIAMS: You're welcome.

Our next presenter is Kaley Bangston.

MR. SCHMIDT: You've been promoted. If you can enable your audio and video.

MS. BANGSTON: Hello. Can you hear me?

ALJ WILLIAMS: Ms. Bangston, we hear you

loud and clear.

2.1

MS. BANGSTON: Fantastic. My video is not, but I will proceed.

So thank you so much. My name is Kaley Bangston. I am Senior Manager of Government and Regulatory Affairs for Invenergy Renewables. Thanks for the opportunity to provide a few comments. I am not going to address each of the questions posed in the docket but instead wanted to provide a few general statements. We will plan on providing more specific comments once the draft rules have been circulated.

Like I mentioned before, I work for Invenergy. We are a leading renewable energy development company with almost 30,000 megawatts of projects developed globally. We are very proud to have been developing projects and partnering with communities in Ohio for over 10 years and at this

point are exclusively focused on solar development in Ohio. Most recently in the past few years we have completed the development, are -- are now in operation of a project in Hardin County. We have three other solar projects that are already permitted by OPSB and have thoroughly enjoyed -- excuse me. We are working on the process of permitting a few other late stage projects in other counties. We have greatly enjoyed partnering with the communities across Ohio and have really enjoyed the opportunity and for those communities allowing us to become, you know, members of the community.

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So given our experience, I just really wanted to take a few minutes today to say thank you to the stakeholders and to OPSB for the opportunity to participate in this workshop and the opportunity to review the rules once the draft rules are out for comment.

Today Invenergy has appreciated their respectful working relationship with OPSB Staff and the Board in following OPSB Staff's, you know, existing what we believe is an extremely robust permitting process. As a company, we are always happy to field questions from Staff or Board members, from the local communities, landowners, other key

stakeholders throughout the process. We believe that successful projects all begin with significant upfront discussion with local communities for us to provide information and education and also for us to receive feedback from those communities.

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We believe that the current process establishes a really strong foundation for projects to move forward successfully in the development process into construction and operation. I also just want to add quickly or offer quickly that we believe OPSB's environmental review established in the current rules is extremely robust and is as all encompassing as we have seen in any state process.

So those are just my kind of quick remarks. I just wanted to say thanks for the opportunity to engage, and we look forward to participating in these workshops, further discussion, and review of the rules once they are circulated. Thank you.

ALJ WILLIAMS: Thank you, Ms. Bangston. Thanks for your appearance today.

Our next presenter is Jason Rafeld.

MR. SCHMIDT: You've been promoted. If you can enable your audio and video.

ALJ WILLIAMS: Good afternoon,

Mr. Rafeld.

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2 MR. RAFELD: Good afternoon,

Mr. Williams. Thank you.

4 ALJ WILLIAMS: Well, please proceed.

MR. RAFELD: Thank you very much.

Mr. Williams, OPSB Staff, and esteemed participants, thank you for the opportunity to address you on these important issues today. My name is Jason Rafeld, and I serve as the Executor Director of the Utility Scale Solar Energy Coalition of Ohio. Our organization represents the majority of large scale solar development in Ohio with 26 members primarily made up of developers.

I am here today to offer informal comments on the rules regarding solar energy development. Our organization intends to file written comments on this workshop at a later date.

As a state, we're exceptionally fortunate to have the opportunity to consider rules that will impact so many projects, businesses, communities, and individual families across our state. The solar development happening now has already brought an overwhelming array of benefits to a broad spectrum of Ohioans and Ohio businesses and there is more to come.

As a state, we are also fortunate to have a body such as the OPSB that can act as a professionally staffed clearinghouse of large energy projects and other important infrastructure. Our organization has supported the OPSB in many venues and will continue to do so.

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Consistency in regulation and development, reliability, and a reasonable process are all benefits of having the OPSB. These benefits bring businesses -- bring business and drive opportunity and expansion throughout Ohio.

As asked by Mr. Williams, USSEC will offer general comments today on the questions posed in the order. As mentioned above, and more detailed written comments will be filed at a later time.

So to get right -- started here, question

I, should electric and gas facilities rules be

combined? Our comment is in a word no. The

components of each application are vastly different

and having a requirement separated provides

applicants with a clear set of instructions specific

to each type of project.

Either way the OPSB chooses to do this, the requirements should be set out in unambiguous terms about which requirements are for which

application.

2.1

Question J, what additional information, if any, should be included in a proposed project summary? USSEC believes the current rule is sufficient and does a good job of providing an at-a-glance understanding of the project without overwhelming with too much detail. However, if the Board preferred more information in the summary, a boundary map, the URL to the project web page, if any, and a point of contact for the project could be included.

Question K, what additional information, if any, should be included in the project description and project schedules that are currently required by the OAC? Comment, USSEC believes the current rule is sufficient and provides the OPSB with all the information you need to evaluate projects.

Designs currently submitted for solar farms show all of the components with a high degree of precision and finality. Preliminary layouts are intended by the applicants to remain substantially similar to the final design required to be submitted prior to construction. However, due to ongoing technological innovations, continued engineering and survey work, public feedback, and communications

during the certification process, the precise location of these features may be subject to change within the defined project area.

2.1

Importantly, utility-scale solar applications present preliminary site designs that fully depict the maximum extent of a proposed facility. This ensures that Staff and other stakeholders have a clear understanding of the maximum potential impact at the time of its preliminary design.

Question L in regard to a proposed electric transmission or gas pipeline, USSEC has no comment here. It just does appear to be for transmissional requirements specific to solar.

Question M, in regard to project siting, what information should an applicant file to support its consideration of public involvement as to the site or route selection process? This question appears to be geared largely towards transmission route selection. However, site selection for solar farms is largely dictated by its need of flat, previously disturbed land, proximity to transmission lines, clean interconnect to the grid, and the ability to lease land.

As you know, Ohio is a competitive state

for generation. As such, choices regarding site selection are highly competitive and often confidential until an applicant has enough information to reliably share project details with the public.

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Additionally, and maybe most importantly, after extensive negotiations on Senate Bill 52, the legislature chose to express their desire for public involvement by adding a new requirement whereby developers must hold a public meeting to share their proposed project including type, size, nameplate capacity, and a map of geographic boundaries.

Developers must notice the county commissioners of each county and the township trustees of each township in which the project is located at least 90 days and not more than 300 days prior to applying for a certificate. This new legislative requirement strikes a balance between informing the public as soon as possible while respecting the iterative nature of the development process at this early stage.

Utility-scale solar applicants must undergo a lengthy investment, investigation, research, engineering, legal, and evaluation process by PJM before they even know if the potential project

is viable.

2.1

Public involvement prior to determination as to whether or not a project is possible from a technical perspective risks misinforming and misleading the local community; however, public involvement should begin as soon as is reasonable.

Initial designs are commonly changed and updated due to local community involvement. As a result, USSEC believes the current rule is sufficient.

Question N, for all applications what information should an applicant file in the public docket in regard to public interaction and complaint resolution surrounding significant pre-construction and pre-operation project developments? USSEC is supportive of having significant activities related to public interaction and complaint resolution filed within the applicant's public docket. USSEC also sees no problem with providing high level public engagement and complaint resolution data at predetermined intervals such as during the compliance review and prior to public hearing.

I would note that we feel strongly that personal -- personal identifiable information should be protected as we have had instances where individuals were threatened from having their -- for

example, their home address released to the public and people encouraged to show up at that individual's home.

2.1

USSEC welcomes the opportunity to work with Board Staff to develop rules for reporting activities that are considered significant and what information should be included as part of that filing to assist the Board with their determination while still maintaining individual safety and competitive spirit.

Question O, consistent with Revised Code 4906.221 and 4906.222, what information should a wind or solar facility applicant file regarding its decommissioning plans? USSEC supports transparency and consistency in developing sound decommissioning plans which provide assurances to the public, the OPSB, and USSEC members regarding expectations for the final stage of life for solar-generating facilities. Therefore, USSEC proposes that all new age solar-generation projects include clear and consistent standard stipulation language related to decommissioning requirements.

USSEC believes that the consistent use of decommissioning language will provide greater transparency to all stakeholders, ensure that the

OPSB Staff receives consistent detail from all developers, facilitate efficient planning, and allow streamlined implementation. We support the language on this subject in Senate Bill 52.

2.1

Question P, what information should an applicant file in regard to communications with local government contacts within a project area? Senate Bill 52 requires projects not otherwise grandfathered to hold a public meeting in each county where the project is located. Following this meeting the county commissioners may choose to restrict a project in a number of ways.

The practical effect of this provision is that applicant prior to proceeding to the OPSB will be required to have extensive and well documented interaction with local government.

Additionally, negotiation of critical issues such as road use agreements and pilot agreements require significant communication with local officials. All communications with local public officials are public record and are subject to open meetings requirements. For these reasons USSEC does not believe any additions are necessary.

Question Q, what information should an applicant file in support of its compliance with

environmental and aviation regulations? USSEC believes that the current regulations require the submission of more than adequate information about compliance with environmental and aviation requirements. Thus, nothing additional is required.

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Question R, what information should an applicant file in regard to its planned management of noxious weeds, irrigation system mitigation, field drainage system mitigation, and stormwater runoff management? Noxious weeds, USSEC is open to a requirement that applicants submit a detailed plan for management of noxious weeds. Plans could include grazing, pollinator habitat, mowing, spraying, and seeding and planting to control and minimize noxious weed growth.

Irrigation system mitigation, if irrigation is present within the project area, applicants could be required to submit a plan to avoid damage to irrigation practices in the area and to repair any impacted irrigation systems in a timely manner.

Field drainage system mitigation, USSEC recommends that the applicant submit a plan both to reasonably identify potential field drainage systems and repair or replace any damaged drain systems in a

timely manner. The applicant should avoid, where possible, or minimize, to the extent practicable, any damage to functioning field tile drainage systems and soils resulting from the construction, operation, or maintenance of the facility. Damaged field tile systems should be promptly repaired or rerouted to at least original conditions or moderate equivalent at the applicant's expense.

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However, if the affected landowner does agree to not having the damaged field tile system repaired, they may do so only if the field tile systems of adjacent landowners remain unaffected by the non-repair of the landowner's field tile system.

Stormwater runoff, the nature of solar farms is largely passive, and construction generally maintains permeable soil and vegetative cover. As a result, there should be little concern regarding an increase in stormwater runoff. However, if the Board desires more information on this, applicant could be required to provide professional studies on the possibility of changes to stormwater runoff that would affect neighboring lands.

If the Board desired, USSEC would support a requirement for general permit authorization for stormwater discharges construction associated with

construction activities from the Ohio EPA prior to construction.

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Question S, what information should an applicant file in regard to its mitigation of communication system impacts? USSEC and its members are unaware of any impact photovoltaic solar installations have on communication systems. I believe this is largely geared towards wind development.

Question T, the Board is considering implementing a rule to address solar facilities.

General areas for consideration include setbacks, landscape, design, perimeter fencing, and operational noise, what requirements should exist as to these issues.

Setbacks, USSEC remains open to discussion on any topic -- any topic in this workshop. However, during Senate Bill 52 the General Assembly chose not to include any specific setback language for solar. As such, we believe it may be outside the jurisdiction of the Board to add specific setback language in a rule.

Additionally, setbacks are generally decided through contractual agreements such as stipulations, lease agreements, and good neighbor

agreements on a case-by-case basis. That being said setbacks really are a matter of viewshed that really impact the immediate adjacent landowner and are different for every individual parcel and situation. As such, they should remain flexible to allow for the variety of situations presented in solar development.

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On landscape, USSEC would support applicant to submit a landscape plan in consultation with a landscape architect licensed by the Ohio Landscape Architects Board.

On fencing, USSEC is open to a requirement that all projects use woven wire agricultural fence on wooden poles or some suitable alternative that complies with the National Electric Code rather than barbed wire.

On operational noise, solar farms produce very little operational noise and even less that could possibly be heard outside the project area. Developers also provide information regarding noise levels through a number of engineering studies. As such, USSEC believes creating a special rule is unnecessary.

And, finally, the Board is reviewing its -- question U, the Board is reviewing its fee procedures and consideration, implementing a monthly

rather than completely upfront payment mechanism. What information should the Board be considering regarding this issue? USSEC supports the current fee procedure of submitting the entire application fee upfront. An upfront fee is simply more streamlined and may create a barrier for entry for projects not sufficiently capitalized to complete responsible development. Monthly fees would also require additional billing and accounting procedures within the OPSB that could add to the already complex application analysis of the applications.

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Thank you for the opportunity to comment on these important rules. This concludes my comments on behalf of the Utility Scale Solar Energy Coalition of Ohio.

ALJ WILLIAMS: Mr. Rafeld, thank you for your time this afternoon. I would, I guess, propose the same comment I had to Ms. Kurt earlier which is to the extent the Board considers requiring additional information at the outset of an application, obviously the Board is going to be dependent on industry to provide detailed comments as to what forms of additional information can reasonably be ripe as part of an application, what forms are more appropriately further down the design

phase, so I would just implore you to consider those details as you submit comments in this case.

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MR. RAFELD: Thank you. We will do so.

Appreciate the comment so much.

ALJ WILLIAMS: Thank you, Mr. Rafeld.

Our next presenter is Jamie Mears.

MR. SCHMIDT: You've been promoted. If you can enable your audio and video.

MS. MEARS: Hi. Can you hear me?

ALJ WILLIAMS: Yes, Ms. Mears.

MS. MEARS: Excellent. Thank you very much. I am going to get my camera set up here.

ALJ WILLIAMS: Okay.

MS. MEARS: Perfect. Good afternoon,
Mr. Williams and members of the OPSB. My name Jamie
Mears, and I am a project developer with Orsted
Onshore North America. Thank you for the opportunity
to offer comments to OPSB's five-year rulemaking
process.

Orsted is a global utility-scale renewable energy company with over 1-1/2 gigawatts of operational wind and solar capacity in the U.S. We are committed to responsible development that generates clean, affordable electricity and helps diversify local economies while supporting local

development.

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Recently our company made a commitment to all future renewable projects will have a net positive impact on local biodiversity. This means that we plan to practically plant native and pollinator-friendly vegetation that will support the maintenance of healthy ecosystems in a project community.

We are also deeply committed to not only serving as experienced, knowledgeable developers but also trusted partners in the communities in which we work. We have partnered with and supported local community organizations, STEM curricular development in local school districts, and local sports teams in the past and ongoing projects.

Early and ongoing engagement with the members of our project communities is a core element of our development philosophy at Orsted. At Orsted we are generally supportive of the current rule in the areas in which OPSB is seeking input. Orsted is aligned with the comments Jason previously shared that will be submitted by USSEC of which we are a member.

We look forward to working with the OPSB, local officials, community members, and other key

stakeholders throughout the process to provide industry input and feedback on the benefits, drawbacks, and potential impacts of OPSB rules and decisions related to energy development in Ohio.

We support the rulemaking process that provides clear guidance for energy development while also maintaining flexibility consider -- to consider unique aspects of each project on a case-by-case basis.

Thank you again for the opportunity to offer our comments during today's workshop. We look forward to serving as an industry partner and engaged participant throughout this process.

ALJ WILLIAMS: Ms. Mears, thank you for your time and comments this afternoon. Have a good afternoon.

MS. MEARS: Appreciate it.

ALJ WILLIAMS: Our next commenter is
Douglas Herling.

MR. SCHMIDT: You've been promoted. If you can enable your audio and video.

22 ALJ WILLIAMS: Good afternoon,

23 Mr. Herling.

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MR. HERLING: Good afternoon, your Honor.

25 ALJ WILLIAMS: Please proceed when you

are ready.

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MR. HERLING: Great. Thank you -- thank you for the opportunity to provide input on these rules today. Again, my name is Doug Herling, Vice President of Open Road Renewables. In this role I have been charged with leading the development of utility-scale solar projects in Ohio for the last five years.

From this advantage point I have had a front row seat to OPSB's fair and balanced review process of renewable energy projects, and I've witnessed the ample opportunity for input in this process. The process has certainly evolved considerably from our first solar facility application in 2017 through five others to today. And we appreciate these — these efforts that we are undergoing now to provide greater clarity regarding Staff's expectations for future application reviews.

Previous commenters have already covered many important aspects of the process, and I certainly echo Jason Rafeld's remarks along with my other colleagues. But I would like to provide some additional inputs, specifically regarding three aspects of the process.

With regard to communication

infrastructure, Open Road believes that with respect to solar facilities the current regulations do -- do require the submission of more than adequate information about communication system impacts. The Board's existing rules require confidential information on this subject, and specifically the rules require the applicant to evaluate and describe potential for the facility to -- to interfere with radio and T.V. reception, radar systems, microwave communication, on and on.

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And given the low profile of solar and the production of only routine levels of electromagnetic forces which are ubiquitous in modern society, utility-scale solar facilities have essentially no potential to create any such interference in the locations where we are typically proposing these projects.

Some of my other colleagues have touched on these next two points, but I don't think I am being too -- too duplicative here. But I did want to comment on final engineering and manufacture of information specifically. When OPSB receives an application from a developer, that application is for a proposed utility-scale solar generation facility. Proposed is the key operative here. The application

contains a massive amount of data generated by field studies, desktop analysis, prelim engineering, transmission studies, and more.

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However, from the time this work begins, typically 9 to 12 months prior to that application submittal all the way to certification, the project meets requirements and is approved by the Siting Board in another 9 to 12 months, that's one-and-a-half to two years that may have elapsed since the project really kind of began working on that application. And the time can be twice that if the case is contested.

So major investment in final engineering and procurement would then begin in earnest once the certificate is in hand and not appealable.

Finalizing engineering and procurement decisions earlier is often impossible due to product evolution and manufacture lead time requirements. We understand the OPSB's desire to gather as much information as early as possible.

That said emphasis on providing specific manufacturers or even models, key facility components at the application stage is unnecessary given the similarities in component design, function, and operation. With generic or illustrative information,

the Staff can still feel confident that project impacts are actually accounted for and that the guardrails are in place to ensure a minimally impactful project here during construction and decommissioning of the project.

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In a similar vein, over the last five years I've witnessed a marked shift from quote certificates to true certificate compliance with OPSB rules. Archeological phase I, the field work and reporting preferably occurred pre-construction and was informed by final design. Conducting an archeological phase I prior to certification or prior to application filing even puts an unnecessary burden on the project and especially on participating landowners.

The field season for archeology is unpredictable, often quite short even when a crop comes off early in October, like for many folks this year, field work usually must wait until all project acreage is in surveyable condition. This typically requires farmers to disk their fields multiple times in order to provide surface -- surface visibility for field work. For many farmers in Ohio it's fair to note no till farming practices first came -- sets them back years in terms of soil health, carbon

content, and erosion control.

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While we've not systematically gathered data on this, we believe the archeological field work is generally going to find very few important or high value resources considering the very large areas, often hundreds of thousands of acres that have been systematically surveyed. It is not surprising that most of these areas have been previously disturbed for hundreds of years.

There is a better way. But a phase I work plan and the Ohio Historic Preservation Office approval of the work plan represents a rigorous desktop research program and NGS modeling efforts to identify high probability areas for archeological sites paired with a programmatic agreement, OPSB has the information and assurances necessary to review the solar project application.

Work plan -- a work plan dictates how the work will be done and the programmatic agreement, or PA, spells out how the project will work with OPO, insight is found in the phase I-B investigation. It cites can be readily avoided with community setbacks and impacts mitigated through established memorandum of understanding process with OPO.

Again, I thank you for the opportunity to

provide comment today. Look forward to taking part in the ongoing rulemaking process once the rules are available for review. Thank you again. Have a good day.

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ALJ WILLIAMS: Thank you, Mr. Herling. I appreciate your time.

Our next presenter is Shanelle Montana.

MR. SCHMIDT: You've been promoted. If you can enable your audio and video.

MS. MONTANA: Hello. Good afternoon.

ALJ WILLIAMS: We can hear you and see you loud and clear.

MS. MONTANA: Great. My name is Shanelle Montana, and I am the Director of Development for Lightsource BP. Thank you, Mr. Williams and OPSB, for opening this opportunity for comment on the rulemaking.

A lot of my colleagues have said many of what I originally was going to speak about, so I will keep this fairly brief. But one thing that keeps resinating when reviewing this rulemaking and the questions asked is the fact that Ohio isn't in a bubble. Ohio is a marketplace for renewable energy and other energy generation that is indeed regional.

And one of the things that I wanted to

discuss today is the fact that the timeline is quite long, and when we are looking at a potential investment location, we are looking at a number of factors, and we are comparing them not only to other sites in Ohio but to sites in Indiana, cites to Pennsylvania where our customers are oftentimes very similar.

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This long development time often has a very tight budget as well, and those budgets are getting tighter and tighter as the renewable energy industry, particularly the solar industry, is growing and becoming much more competitive with new entrants into the marketplace and a demand that is continuing to increase.

As you are going through the rulemaking process, I think it's important to really look at the clarity and certainty that's being provided to the development community so that we can indeed construct these projects in the most efficient and effective way possible and also, you know, really being regulatory headaches not only in timing for your Staff but also for us, and we can make sure that we are maintaining the studies and information that is being requested.

As my colleague before mentioned, these

timelines can be quite long, and so the information we're presenting when we are actually submitting the application, you know, could be a year prior to when we are reviewing it and in a hearing process. And a lot can change in engineering or other pieces of the project and so really having those expectations upfront gives us that opportunity to craft the best project that we can.

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Changing regulatory standards and moving goal posts halfway provide that uncertainty to developers and to the project that really not only can increase costs for the project which then eventually go down to ratepayers, but it also just creates longer headaches and timelines both for developers and OPSB Staff, and the streamlining of all of these regulations in the process in making sure things are clear and concise upfront, I think, will help to alleviate that headache for both parties.

As we look forward, again, I am not going to get into the details, many of my colleagues have done that quite well, and I know a number of written comments are coming in, but I think taking that broad regional lens is very important. This is a very competitive marketplace and regulation is not bad.

Nobody is going to say that, but it needs to be done on a fair and balanced way recognizing that these projects are competing in a region. They are competing not only nationally but regionally, and if Ohio is going to maintain a very highly regulated state which, as it has been pointed out today, Ohio is exceptionally regulated with energy generation, you know, I think there needs to be an understanding of the impact that will make on the marketplace and then the further economic development it will have in Ohio and what these projects have the potential to do for economic development.

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We need to strike a fair and balanced approach to the rulemaking so that all parties can make the best decisions for their projects, and we can continue to see the type of economic development that we've seen thus far with renewable energy.

Thank you so much, Mr. Williams, and to all of your Staff.

ALJ WILLIAMS: Thank you for your time,
Ms. Montana. We will take your comments under
advisement.

Our next presenter is Elizabeth Harsh.

MR. SCHMIDT: You've been promoted. If you can enable your audio and video.

1 ALJ WILLIAMS: Ms. Harsh?

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MS. HARSH: There we are.

ALJ WILLIAMS: All right. I hear you.

MS. HARSH: And it may not cooperate with me to get my camera going. I apologize. Is that a problem?

ALJ WILLIAMS: It is not a problem for a workshop of this nature so please proceed just via audio if you are comfortable.

MS. HARSH: I apologize for that. I thought I had everything set. But good afternoon.

ALJ WILLIAMS: Good afternoon.

MS. HARSH: I would like to thank the
Ohio Power Siting Board Staff and Administrative Law
Judge Mr. Williams for this opportunity to
participate in the OPSB rule workshop. My name is
Elizabeth Harsh. And I am the Executive Director of
the Ohio Cattlemen's Association and also part of a
family farm in Delaware County.

My comments are not specific to questions but rather more general statements. The Ohio Cattlemen's Association is a membership organization that represents the business interest important to farm families throughout Ohio that raise cattle. It serves as the board of the state's beef cattle

business. OCA's mission is to maintain profitability and growth of Ohio's beef industry while providing consumers with safe and wholesome beef. Ohio's cattle farmers raise approximately 307,000 beef cows with a total value of cattle and calves at 1.45 billion. Perhaps even more important, agricultural is the state's No. 1 industry contributing nearly 124 billion annually to the Ohio economy with over 40 percent of the sales from livestock and poultry farms.

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Some of the economic contributions of our individual industry in Ohio are as follows: We have many farmers participating in utility-scale solar projects and many who have been working and planning on these projects for years. A farmer's property and farming assets are a critical part of their financial stability, retirement, and estate planning. Our farmers are feeding the world, and now many are supplying the energy for our communities, family, and businesses.

The Ohio Cattlemen's Association, along with the Ohio Farm Bureau and Ohio's beef, dairy, pork, and poultry farmers, strongly oppose Senate Bill 52 and strongly support the personal property rights of our farmers.

Many farmers often lease portions of the land to solar and wind developers using these payments to supplement income which helps farmers with the year-to-year turbulence in the agricultural commodity markets. The stable incomes enable farmers to better plan for equipment purchases, expansion of operations, and keep their land in agricultural use as opposed to leasing land to commercial or residential developers.

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Utility-scale solar development is

feeding into the economic viability of our farm

families in rural communities. The tax and pilot

payments to the counties, townships, and schools is

significant. We trust the rigorous OPSB process and

know that the current process allows for public

involvement and input, ability to make changes to the

project footprint based on feedback, and involves

dozens of studies, reports, and technical analysis.

I ask that you not add any additional regulations that were not addressed in Senate Bill 52. Despite our opposition the legislature spent a good deal of time and deliberation to settle on the components of Senate Bill 52. The legislature also very clearly grandfathered in all current active projects.

I thank you for this opportunity to participate today, and we look forward to remaining engaged to ensure that farmer and landowner rights are protected. Thank you.

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ALJ WILLIAMS: Ms. Harsh, thank you for your appearance and comments here today.

Our last potential commenter is John Wygonski. Mr. Wygonski, I know you indicated you were tentative so if you would come on with us and let us know if you intend to make comments.

MR. SCHMIDT: You've been promoted. If you can enable your audio and video.

MR. WYGONESKI: Hi. Thank you, your Honor. I do not have any comments to add at this time but thank you for reserving that spot for me.

ALJ WILLIAMS: Okay, Mr. Wygonski. Thank you for coming on and clarifying that.

So with that I don't have anybody else preregistered to testify here today. In closing I do want to emphasize that the Board appreciates all those who took the time to present or to watch today.

The Board's consideration of these rules is a large undertaking and impacts many stakeholders within the industry and within the general public.

The Board values the input that it receives in this

pursuit.

As for next steps, I want to remind everyone, first of all, we do have our third and final virtual workshop this Friday morning at 9:30. Registration details are available on the OPSB website. After that, I want to remind everyone that the next step in this case will be to open the case for further formal comments pursuant to an upcoming entry. I would ask everyone to please continue to follow the docket, Case No. 21-902-GE-BRO, in this case as to the opening of that comment period. The Board encourages all to participate further in consideration of the process through the formal comment phase of the case.

With that I will conclude today's workshop, and we are adjourned. Thank you, everyone.

(Thereupon, at 2:32 p.m., the hearing was adjourned.)

CERTIFICATE I do hereby certify that the foregoing is a true and correct transcript of the proceedings taken by me in this matter on Monday, October 4, 2021, and carefully compared with my original stenographic notes. Karen Sue Gibson, Registered Merit Reporter. (KSG-7160)

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Case No(s). 21-0902-GE-BRO

Summary: Transcript Afternoon Session October 4th 2021

In the Matter of the Ohio Power Siting Board's Review of Ohio Adm. Code Chapters 4906-1, 4906-2, 4906-3, 4906-4, 4906-5, 4906-6, and 4906-7. electronically filed by Mr. Ken Spencer on behalf of Armstrong & Okey, Inc. and Gibson, Karen Sue Mrs.