

Noalani Terry
203 Muncie Ct.
Edmonton, KY 42129

RECEIVED

AUG 04 2025

PUBLIC SERVICE
COMMISSION

Kentucky State Board on Electric Generation
PO Box 615
Frankfort, KY 406020-615

To whom it may concern:

It appears that Wood Duck Solar has failed to provide the most affected residents with information needed to feel confident that the company really has the best interests of Barren County and surrounding areas in mind. There seem to be puzzling discrepancies between various documents and serious environmental concerns that are not being addressed. Why are energy authorities shutting down coal and other sources of electricity while promoting so-called alternative technologies that may cause more local warming than coal? At least build solar facilities on property already damaged by previous extractive industries! The general public and their representatives seem to have no idea of the resources, especially water, needed to produce solar or wind or nuclear power and that just because one can plug devices into an outlet does not guarantee how the electricity was created miles away. On top of these general concerns, think about how Mammoth Cave National Park has already been impacted by growth, especially of industry. Experimenting with huge arrays of heat and polluting toxins that cover huge swaths of land we may need to produce food and contact with nature is not something to be automatically assumed as beneficial to those near or even far from them. Extensive risk-benefit analysis needs to be undertaken before any project like this is approved.

Sincerely,

Noalani Terry

Questions for Wood Duck/Geenex and the 4 Interconnectivity reports submitted to the PSC.

I don't know if the planning commission reviewed these or not – the reports are dated, so they should have, but if they did, the 13 members did not ask any questions, so we guess they understood them.

Wood Duck submitted two system impact studies and two feasibility studies of the Bon Ayr connection site all of which were completed in 2021. These were completed by PJM, the world's largest power provider, which the substation feeds to EKPC, then to PJM.

The reports were studied as two different queues at different Mega Watts (MW) for capacity and energy.

Since these were written in 2021, it is possible that additional solar projects have been added to the queue and some have been cancelled, so it is unknown if these reports are accurate and therefore, should be updated. We request updated studies.

Let's just stop right there.

Why did Wood Duck submit 2 sets of reports for different mega watts? What are they trying to hide?

One request 45 megawatts and the other requests 55 megawatts, which total 100. The reports from PJM state there are additional stipulations if the proposal is for 100 megawatts or greater. It states, the developer "shall install and maintain, at its expense, phasor measurement units." Page 8.

So, is this a way to avoid this?? What is Wood Duck trying to hide?

~~Residents request~~ a new updated study for the correct maga watts.

These reports also are conflicting on the type of project. Two state "solar generating facility" and two state, "storage generating facility" and these are submitted for each of the different queue numbers.

Which is it? Does "storage" mean battery? Why are these conflicting?? Which is it?

Wood Duck has told Mammoth Cave there will be no batteries and we the public are holding them to that. Absolutely no batteries, anywhere. And we want certification from an independent engineer and a signed statement by Mr. Fehr, the owner of Geenex that there are no batteries. If a battery shows up, game over.

Is this project generating energy all day and feeding directly to the grid OR is energy stored via batteries, which residents will not accept. It seems even PJM doesn't know for certain.

Will Wood Duck submit a constant flow of electricity during the day and nothing at night? Or will they transmit energy 24 hours a day which requires storage?

According to these reports by PJM, the energy will be sold to East Kentucky Power (EKPC), but it is unclear if they are going to buy the power from Wood Duck or if Wood Duck will sell directly to PJM? Is there a split between the two? What does the purchase power agreement say (PPA)?

Will they allow the influx of the energy all day, stopping with the sun goes down, or will energy be processed all night?

This needs to be answered in relation to the question of "will the inverters run all night" and if so, the noise study must be adjusted and must ADDRESS each property that is in close proximity to an inverter. The study by Stantec failed to address 35 inverters. The public requests answers.

Does East Kentucky Power buy all of Summershade's electricity? Residents have heard they are not buying all of Summershade's electricity. We ask the PSC to explore this. If they are not buying all of Summershade's electricity just down the road, is there a need for this project? I believe Wood Duck has failed to substantiate the need.

If the energy is going directly to the grid, these reports do not indicate that the station can accept 100%. It appears the study is based on a commercial probability of only 53% of the energy. However, if the solar "farms" are developing at 100% where does this energy go? Storage in batteries, perhaps?

The DC energy for the inverters must be stored somewhere or inverted to AC and fed directly into the transmission system. Which is it Wood Duck? The community does not know.

Let's talk about the 35 inverters. Residents do not know where these will be located. A map has never been provided to the public of these locations and that is WRONG. The maps presented to the information hearings said 25 inverters, but they were not on the maps.

Residents do not know if they will run all day and all night. If they store DC, they will run all night if converting from DC to AC. The noise study from Stantec calculated time off "for the quiet time" which is not accurate.

Wood Duck has not provided any information to the public about how the inverters will be temperature controlled. Will water be required to cool the power inverters? If so, how much? Daily? Continuous? What is the source of the water? What is the point of discharge of the cooling water and what monitoring will be done to assure the water is not contaminated? Will it be cooled with AC?

What is the noise level for the cooling and how long will they run? Will the inverters run until sun down and then the cooling system will run all night?

The noise levels for cooling were not studied by Stantec

Stantec did state the inverter noise is 99 decibels which is a very loud noise, generally considered to be potentially damaging to hearing, especially with prolonged exposure. It's in the range of noises like lawnmowers, power tools, or a concert at a loud volume. For reference,

85 dB is the threshold where long-term exposure can cause damage, and 100 dB is considered a high noise level. ***This is unacceptable in a residential neighborhood.***

I think Wood Duck states in their application is it 90 decibels. Another conflicting statistic.

So – the summary of the reports:

There are 2 sets of studies: 2 for 071 and 2 for 070 requiring millions of dollars in upgrades that must be made before the project can proceed. Upgrades are essential because of line size, breakers and controls must be increase and updated to handle the increased energy. Each can overheat causing breakers to trip, leaving residents in the dark.

1. **The Feasibility Study** for 071 from January 2021 states the developer has proposed a **SOLAR GENERATING FACILITY** (this does NOT say storage) that requires \$3.19 Million in upgrades and improvements for this project.

It is anticipated that these costs have changed and may have been reallocated in the last 4 years. It is unclear how much will be paid by Wood Duck. It does however state, the project was studied with commercial probability of 53%. (this is noted on pages 10 and 28)

All 4 of the reports require upgrades if 100 mega watts, upgrades for metering and meteorological data feeds. These cost estimates are not provided. Again, why are these studies for less mega watts than Wood Duck has told the public they are building?

2. **The Impact Study** for 071 from August 2021 states this is a “**STORAGE GENERATING FACILITY** (note the word **STORAGE**) – that indicates batteries of some sort. requires upgrades of \$3.8 million with Wood Duck paying a small amount of \$15,000. How do we know these updates have been made or will be made? When would these upgrades be anticipated to be made?

How do we know if the other companies have committed to the upgrades which must occur to make this project feasible? Cost have undoubtedly increased substantially since this was completed in 2021.

[REDACTED]

1. **The Feasibility Study for 070 from January 2021** states it is a **SOLAR GENERATING FACILITY**. It states there are cost updates of \$6.265 million for physical interconnection costs and system network upgrade costs. PLUS this one refers to Revenue Metering and real time data on page 9, in addition to the costs mentioned previously and the additional upgrades
2. **The Impact Study for 071** from August 2021 states it is a **STORAGE GENERATING FACILITY**, which again indicates **Batteries** and requires total physical interconnection costs \$5.205M Other upgrades to other agencies \$2.52M

An interesting note: This report states" project 071 was submitted as an uprate from 070."

Why is Wood Duck uprating at the beginning....is it one project, or two or are they both added together to reach 100 mega watts?

We do not know.

How will Wood Duck will be "firming" their supply of energy? Has Wood Duck representative been sharing actual generation mega watt in permitting efforts, or simply the mega watt values used in planning the project?

KEY POINT: Therefore, **residents request** that Wood Duck provide updated studies for 100MW of energy, clarify the type of facility and if batteries are involved in any way, this is a NO GO!!!.

Since the 2 feasibility studies prepared by PJM indicated no power storage, is it possible that off-site battery storage is being contemplated as a late addition to the project? **We do not want any surprises and batteries showing up** Yet two studies indicate batteries. Which is it?

We want Wood Duck to provide evidence of the money for upgrades with has probably increased greatly since 2021. We want them to provide proof of the \$130 million for the projects and at least one year of lease payments must be evident in a KY bank in Wood Duck's name before the project even THINKS about proceeding.

Wood Duck has no history as it's a new company, no experience, no assets.

We must protect our county and we have the right to know.