

From: [Puco ContactOPSB](#)
To: [Puco Docketing](#)
Subject: comment for 21-0041, 20-1814, 20-1680
Date: Monday, July 12, 2021 10:42:03 AM

Ms. White , I had concerns with the amount of water to be used to clean solar panels at our meeting July 8 , 2021

I request the opportunity to submit material for evaluation by you and the OPSB.

You will find in this email, sources that I think to be reliable.

Opinion after studying supplied source material. I think it will be a challenge for our aquifers to sustain solar power plant maintenance and development phases.

If new and independent studies prove otherwise then I am happy to stand corrected.

I used the Yellow Wood decommissioning plan for figures that I will round down for the sake of general conversation.

<http://dis.puc.state.oh.us/TiffToPdf/A1001001A21B24B21537F03046.pdf>

If we were supplied with exact dimensions of solar panels to be used we can be more accurate with the total surface area and water needed to clean solar arrays.

First Solar series 6 plus.dimensions were used as a hypothetical. (Numbers are rounded for general conversation).

If a number of 746,550 solar panels were used and would yield approximately 400 acres plus or minus of solar panel surface.

Using the hypothetical number tenth of an inch of rain water to clean the surface. (Tenth of an inch and not a significant amount were terms used by different development materials submitted to OPSB).

Cleaning solar panels would require over one million gallons of water to clean the surface area of 400 acres of solar panels..

https://www.usgs.gov/special-topic/water-science-school/science/rain-and-precipitation?qt-science_center_objects=0#qt-science_center_objects

A challenge to the word significant and the quantity of tenth of an inch of rain water are challenged by the authors of these articles.

<https://aip.scitation.org/doi/full/10.1063/5.0053866>

<https://www.seia.org/initiatives/water-use-management>

Supplied is a graph that will show the frequency of drought in Clinton and Highland counties.(Some material stated use of water during drought).

<https://www.drought.gov/historical-information?state=ohio&dataset=1&selectedDateUSDM=20101005&selectedDateSpi=19580401>

Supplied below you will find maps that should give confirmation of information on aquifers being challenged to supply adequate water to residents and solar developments.

https://ohiodnr.gov/static/documents/geology/Highland_GWR_39x31_EOGS04742.pdf

https://ohiodnr.gov/static/documents/geology/Clinton_GWR_33x27_EOGS04720.pdf

We have the opinion that residents in Palomino , Dodson Creek and Yellow Wood project areas' water needs should have priority over use by potential solar development.

We request Director White and OPSB read and review this material and reach a conclusion on certification to be denied to the projects Palomino , Dodson Creek and Yellow Wood as they do not meet the standards of our public need , public interest or convenience.

Sincerely Dave Gingerich

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Summary: Public Comment of Dave Gingerich, via website. electronically filed by Docketing Staff on behalf of Docketing