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**Sent:** Wednesday, April 22, 2020 12:05 PM  
**To:** [Pat.Tully@ohiohouse.gov](mailto:Pat.Tully@ohiohouse.gov); Wolf, James <[James.Wolf@puco.ohio.gov](mailto:James.Wolf@puco.ohio.gov)>  
**Cc:** Ed Clark <[ethog3@gmail.com](mailto:ethog3@gmail.com)>  
**Subject:** OPSB Rules Stakeholder Call

Pat and Jimmy,

I do not intend to participate in the stakeholder call on May 12<sup>th</sup> on OPSB issues, but I do agree with Ed Clarke, whose April 21<sup>st</sup> email from 12:12pm is enclosed. There needs to be changes ensuring that the construction of wind turbines is performed in accordance with building codes that would be applicable to any other such immense structure; calling them windmills, and exempting them from the Ohio basic building code, simply does not cut it.

Sincerely,

William J. Seitz

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**From:** Ed Clark <[ethog3@gmail.com](mailto:ethog3@gmail.com)>  
**Sent:** Tuesday, April 21, 2020 12:12 PM  
**To:** Randazzo, Samuel <[Samuel.Randazzo@puco.ohio.gov](mailto:Samuel.Randazzo@puco.ohio.gov)>  
**Cc:** Bick, Caroline <[Caroline.Bick@mail.house.gov](mailto:Caroline.Bick@mail.house.gov)>; Sherrod Brown <[Senator\\_Brown@brown.senate.gov](mailto:Senator_Brown@brown.senate.gov)>; [Rep30@ohiohouse.gov](mailto:Rep30@ohiohouse.gov); [Rep57@ohiohouse.gov](mailto:Rep57@ohiohouse.gov); [Rep98@ohiohouse.gov](mailto:Rep98@ohiohouse.gov); [Rep70@ohiohouse.gov](mailto:Rep70@ohiohouse.gov); [rep85@ohiohouse.gov](mailto:rep85@ohiohouse.gov); [Rep28@ohiohouse.gov](mailto:Rep28@ohiohouse.gov); Senator Chuck Grassley <[Senator@grassley.senate.gov](mailto:Senator@grassley.senate.gov)>; State Senator Matt Huffman <[huffman@ohiosenate.gov](mailto:huffman@ohiosenate.gov)>; [Obhof@ohiosenate.gov](mailto:Obhof@ohiosenate.gov); State Senator Frank Hoagland <[Hoagland@ohiosenate.gov](mailto:Hoagland@ohiosenate.gov)>  
**Subject:** MAINTENANCE, REPAIR & OPERATIONS NEC Requirements for Wind Electric Systems Don't miss these key points of Art. 694

Mr. Randazzo,

I know you and I have talked at different times either email or in person at the OPSB meetings about why we are not using the state and or local inspectors with these projects. Her is a new up date to the National Electrical code that covers other requirements that need to be addressed in the instillation process of wind turbines, but by allowing them to run under "Utility" they are exempt from the process. I again ask the question how a privet company that is **NOT** a listed utility can not be required to fall under inspection process as all other contractors are? Even solar farms have more requirements to be meet than wind farms. These people are not required to even possess a state electrical licences. The

PUCO only requires the wind company to submit drawings to the PUCO for review, and the only inspection that is required is to have any man-lift or elevator to be inspected. With this we still have a close setback to home than what the safety manual requires the service personal, but that is a different issue. All parts of these projects need to have local or state over site as the project comes together. One that I can not understand , is a 61,000 volt line can run across the farm land at 2-feet from the surface, but that is a NEC code that they can, but it does not make it right. So I as, you would not build a 600 foot building downtown Columbus with inspections, why would you allow them to build next to a home or school without any? Our safety does matter.

*Thank You*  
*Ed Clark*



## MAINTENANCE, REPAIR & OPERATIONS

# NEC Requirements for Wind Electric Systems

Don't miss these key points of Art. 694

[Mark Lamendola](#)

APR 21, 2020

Article 694 of the National Electrical Code (NEC) provides the requirements for the electrical portion of wind turbine systems. Turbines continue to get larger, with longer blades and bigger nacelles. This means they are also taller, which makes access more physically challenging for the electrician. You'd better know your NEC requirements stone cold and have the required tools and materials when you climb up there. Climbing down and back up again is time-consuming and exhausting. Fortunately, not all the work is overhead.

Some key points include:

- If you install a maintenance receptacle powered by the turbine system, protect it with an OCPD that has a rating not exceeding that of the receptacle [694.7(E)].
- You can use the tower as a raceway, but only if it's listed for that, evaluated as part of the listing, or evaluated for that and a field label is applied [694.7(F)].
- Apply overcurrent protection per Article 240 to the turbine output circuits, inverter output circuits, and storage battery circuit [694.15(A)].
- Using equipment bonding jumpers, create a unified bonding system between all exposed metal parts that are likely to become energized [694.40].

**Source URL:** <https://www.ecmweb.com/maintenance-repair-operations/article/21129294/nec-requirements-for-wind-electric-systems>