

**BEFORE
THE OHIO POWER SITING BOARD**

In the Matter of the Application of	:	
Kingwood Solar I, LLC for a Certificate	:	Case No. 21-0117-EL-BGN
of Environmental Compatibility and	:	
Public Need for a Solar Facility Located	:	
in Greene County, Ohio.	:	

**PREFILED TESTIMONY
OF**

Thomas J. Crawford, PhD, PE

**ON BEHALF OF THE STAFF OF THE
PUBLIC UTILITIES COMMISSION OF OHIO,
POWER SITING DEPARTMENT**

STAFF EX. _____

February 28, 2022

1 1. Q. Please state your name and business address.

2 A. My name is Thomas Crawford, and my business address is 180 East Broad
3 Street, Columbus OH 43215.
4

5 2. Q. By whom are you employed and what is your position?

6 A. I am employed by the Public Utilities Commission of Ohio (PUCO or
7 Commission) as an Electric Energy Specialist within the Power Siting
8 Department.
9

10 3. Q. Please summarize your educational background.

11 A. I received a Bachelor of Science in Chemical Engineering, Magna cum
12 Laude, and a Master of Science in Nuclear Engineering from the University
13 of Cincinnati. Additionally, I have received a Master of Science degree in
14 Mechanical Engineering and a Doctor of Philosophy in Mechanical
15 Engineering from Drexel University. I have also taken a number of courses
16 in Computer Science from Franklin University, and I have taken several
17 graduate-level courses in Mechanical Engineering and Nuclear Engineering
18 at The Ohio State University.
19

20 4. Q. Please summarize your work experience.

21 A. Beginning in August 2020, I was employed by Alpha-Rae Personnel, Inc.
22 and assigned as a contractor to the PUCO. My duties included writing the

1 *Project Description and Need* section of the accelerated Cases and the
2 *Electric Grid* portion of the Staff Report of Investigation for major Solar
3 Facility Projects. I have been working directly with the PUCO since August
4 2021. My duties continue to be the writing of the *Project Description and*
5 *Need* section of the accelerated Cases and the *Electric Grid* section of the
6 Staff Reports of Investigation for major Solar Facility Projects. From
7 March 2002 until May 2018, I was an Adjunct Instructor and a Tutor in
8 Physics, Engineering Fundamentals, and Natural Science at Columbus State
9 Community College. The Fisher College of Business utilized me as an
10 Adjunct Instructor in Statistics from January 2005 until December 2006. At
11 American Electric Power from December 1984 until February 2002, I was
12 involved in Technical Assessment and Analysis of Nuclear, Coal-fired, and
13 Hydroelectric Plants on the AEP System. These responsibilities involved
14 considerable computer programming, and some additional programming
15 activities involved preparations for what has become known as Y2K. I was
16 also an engineer with the Philadelphia Electric Company doing nuclear core
17 analysis, refueling requirements, control rod sequencing reviews, spent fuel
18 handling and storage, and analysis of radiation shielding requirements from
19 July 1978 until August 1981. As a graduate student, in 1981 through 1982,
20 I was an instructor in the Shift Technical Advisor program for the proposed
21 Zimmer Nuclear Station near Cincinnati, Ohio.

1 5. Q. Have you testified in prior proceedings before the Ohio Power Siting
2 Board?

3 A. No.
4

5 6. Q. What is the purpose of your testimony in this proceeding?

6 A. I am sponsoring a portion of the Staff Report of Investigation. I prepared
7 the *Electric Grid* section of the Staff Report in this case.
8

9 7. Q. Are you responsible for any specific conditions in the Staff Report? If so,
10 which ones?

11 A. Yes. I am responsible for Conditions (13) and (14), the output of the
12 Facility and the Interconnection Service Agreement.
13

14 8. Q. In the event the Board grants a certificate for the project, why is Staff
15 recommending these conditions?

16 A. These conditions are needed to ensure the integrity of the Electrical
17 Interconnection.
18

19 9. Q. Does this conclude your testimony?

20 A. Yes, it does. However, I reserve the right to submit supplemental testimony
21 as new information subsequently becomes available or in response to
22 positions taken by other parties.

CERTIFICATE OF SERVICE

The undersigned hereby certifies that a true and correct copy of the **Direct Testimony of Thomas J. Crawford, PhD, PE** has been served upon the below-named counsel via electronic mail, this 28th day of February, 2022.

/s/ Jodi J. Bair

Jodi J. Bair

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Summary: Testimony Prefiled Testimony of Thomas J. Crawford, PhD, PE on
Behalf of the Staff of the Public Utilities Commission of Ohio, Power Siting
Department electronically filed by Mrs. Kimberly M. Naeder on behalf of OPSB