

**STATE OF VERMONT
PUBLIC UTILITY COMMISSION**

Case No. 24-1898

Petition of Essex A North Lot Solar, LLC for a
certificate of public good pursuant to
30 V.S.A. § 248 for a 3.5 MW
ground-mounted solar array located off
Robinson Parkway in Essex Junction, Vermont

**SUPPLEMENTAL PREFILED TESTIMONY AND DECLARATION OF
JAKE CLARK
ON BEHALF OF
ESSEX A NORTH LOT SOLAR, LLC**

This document and supporting exhibit has been filed ePUC

Summary of Testimony

Mr. Clark's supplemental testimony addresses minor changes to the acoustic analysis and submits the revised acoustic analysis as Exhibit EANL-JC-10.

EXHIBIT LIST

Exhibit EANL-JC-10	Revised Acoustic Analysis
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1 Q1. Are you the same Jake Clark that filed prefiled testimony in this matter on June 19, 2024?

2 A1. Yes.

3
4 Q2. Please explain the purpose of your supplemental prefiled testimony.

5 A2. My supplemental testimony addresses minor changes to the acoustic analysis and explains
6 the revised acoustic analysis exhibit submitted as Exhibit EANL-JC-10. I used the same
7 abbreviations that I used in my previously filed prefiled testimony.

8
9 **Air Pollution**
10 (30 V.S.A. § 248(b)(5))

11 Q3. Why does the Petitioner need to file a revised acoustic sound study?

12 A3. The Petitioner received updated information regarding the sound levels from the inverters
13 that required the Petitioner to obtain an updated sound study. Specifically, the updated
14 inverter sound level information showed that sound levels at three meters is 62.5 dBA (as
15 opposed to 56.5 dBA, which is what the previously acoustic study showed). Please note
16 that the inverters are the same as originally proposed.

17
18 Q4. Please identify the changes between the previously filed acoustic analysis (exhibit EANL-
19 JC-8) and the revised acoustic analysis (exhibit EANL-JC-10).

20 A4. The previously filed acoustic analysis in Exhibit EANL-JC-8 concluded that the Project's
21 highest modeled sound pressure level at the closest residence to the sound producing
22 equipment (approximately 559 feet from the nearest edge of the Project's panels) is 30

1 dBA (exterior) (daytime) with lower levels during the evening. The revised acoustic
2 analysis set forth in Exhibit EANL-JC-10 shows that all neighboring residences are still
3 under 40 dBA (exterior), but that the worst case scenario—the level for the closest
4 residence to the sound producing equipment—increased from 30 dba (exterior) (daytime)
5 to 35 dBA (exterior) (daytime). No changes need to be made to the nighttime sound levels
6 because the inverters make little to no noise when not powered.

7
8 Q5. Will the sound produced by the proposed Project create an undue adverse effect?

9 A5. No, the sound levels calculated at the nearest residence will be below the maximum limits
10 of 45 dBa (exterior) as required by the Commission.

11
12 Q6. Does this conclude your testimony at this time?

13 A6. Yes.

14

WITNESS DECLARATION

I, Jake Clark, being over 18 years of age, and competent to testify on these matters declare that on behalf of Petitioner, I prepared my supplemental prefiled testimony and exhibits in the above captioned matter and I have the necessary expertise to testify to the same information. I declare that my testimony and exhibits that I have sponsored are true and accurate to the best of my knowledge and belief and were prepared by me or under by direct supervision. I understand that if the above statement is false, I may be subject to sanctions by the Commission pursuant to 30 V.S.A. § 30.

Dated at Burlington, Vermont, this 9th day of September, 2024.

/s/ Jake Clark
Jake Clark
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