

**STATE OF VERMONT
PUBLIC UTILITY COMMISSION**

Petition of Randolph Davis Road Solar LLC for a
Certificate of public good, pursuant to 30
V.S.A. §§ 248 and 8010, authorizing the
Installation and operation of a 500kW group
Net-metered solar electric generation system in
Randolph, Vermont

Case No. 21-2939-NMP

**JOAN ALLEN'S RESPONSE TO PETITIONER'S
SECOND SET OF INFORMATION REQUESTS**

July 15, 2022

Q:PET:Allen.2-1: a) With respect to A4 of your rebuttal testimony, Identify the exact location where Exh. JA-19 was taken and produce the photograph metadata.

A:PET:Allen.2-1: a) The three photos were taken on site, about 50 -75 feet into project site from the western property line of the site.

Photo 1:

Aperture Value: 2.275
Brightness Value: 6.479
Color Space: sRGB
Components Configuration: 1, 2, 3, 0
Date Time Digitized: Oct 17, 2021, 11:55:43 AM
Date Time Original: Oct 17, 2021, 11:55:43 AM
Exif Version: 2.3.2
Exposure Bias Value: 0
Exposure Mode: Auto exposure
Exposure Program: Normal program
Exposure Time: 1/120
Flash: Off, did not fire
FlashPix Version: 1.0
FNumber: 2.2
Focal Length: 4.15
Focal Length In 35mm Film: 29
Photographic Sensitivity (ISO): 25
Lens Make: Apple
Lens Model: iPhone SE (1st generation) back camera 4.15mm f/2.2
Lens Specification: 4.15, 4.15, 2.2, 2.2
Metering Mode: Pattern
Pixel X Dimension: 4,032
Pixel Y Dimension: 3,024
Scene Capture Type: Standard
Scene Type: A directly photographed image
Sensing Method: One-chip color area sensor
Shutter Speed Value: 1/120
Subject Area: 2,015, 1,511, 2,217, 1,330
Sub-second Time Digitized: 056
Sub-second Time Original: 056
White Balance: Auto white balance
Altitude: 266.63 m (874.76 ft)
Altitude Reference: above sea level
Destination Bearing: 314.059
Destination Bearing Reference: Magnetic direction
HPositioningError: 5
Image Direction: 314.059
Image Direction Reference: Magnetic north
Latitude: 43° 54' 25.77" N
Longitude: 72° 34' 1.728" W
Speed: 0
Speed Reference: Kilometers per hour

Photo 2:

Aperture Value: 2.275
Brightness Value: 6.689
Color Space: sRGB
Components Configuration: 1, 2, 3, 0
Date Time Digitized: Oct 17, 2021, 11:58:25 AM
Date Time Original: Oct 17, 2021, 11:58:25 AM
Exif Version: 2.3.2
Exposure Bias Value: 0
Exposure Mode: Auto exposure
Exposure Program: Normal program
Exposure Time: 1/120
Flash: Off, did not fire
FlashPix Version: 1.0
FNumber: 2.2
Focal Length: 4.15
Focal Length In 35mm Film: 29
Photographic Sensitivity (ISO): 25
Lens Make: Apple
Lens Model: iPhone SE (1st generation) back camera 4.15mm f/2.2
Lens Specification: 4.15, 4.15, 2.2, 2.2

Metering Mode: Pattern
Pixel X Dimension: 4,032
Pixel Y Dimension: 3,024
Scene Capture Type: Standard
Scene Type: A directly photographed image
Sensing Method: One-chip color area sensor
Shutter Speed Value: 1/120
Subject Area: 2,015, 1,511, 2,217, 1,330
Sub-second Time Digitized: 631
Sub-second Time Original: 631
White Balance: Auto white balance
Altitude: 266.18 m (873.31 ft)
Altitude Reference: above sea level
Destination Bearing: 44.038
Destination Bearing Reference: Magnetic direction
HPositioningError: 10
Image Direction: 44.038
Image Direction Reference: Magnetic north
Latitude: 43° 54' 25.482" N
Longitude: 72° 34' 2.142" W
Speed: 0
Speed Reference: Kilometers per hour

Photo 3:

Aperture Value: 2.275
Brightness Value: 6.659
Color Space: sRGB
Components Configuration: 1, 2, 3, 0
Date Time Digitized: Oct 17, 2021, 12:02:12 PM
Date Time Original: Oct 17, 2021, 12:02:12 PM
Exif Version: 2.3.2
Exposure Bias Value: 0
Exposure Mode: Auto exposure
Exposure Program: Normal program
Exposure Time: 1/120
Flash: Off, did not fire
FlashPix Version: 1.0
FNumber: 2.2
Focal Length: 4.15
Focal Length In 35mm Film: 29
Photographic Sensitivity (ISO): 25
Lens Make: Apple
Lens Model: iPhone SE (1st generation) back camera 4.15mm f/2.2
Lens Specification: 4.15, 4.15, 2.2, 2.2
Metering Mode: Pattern
Pixel X Dimension: 4,032
Pixel Y Dimension: 3,024
Scene Capture Type: Standard
Scene Type: A directly photographed image
Sensing Method: One-chip color area sensor
Shutter Speed Value: 1/120
Subject Area: 2,015, 1,511, 2,217, 1,330
Sub-second Time Digitized: 182
Sub-second Time Original: 182
White Balance: Auto white balance
Altitude: 265.29 m (870.37 ft)
Altitude Reference: above sea level
Destination Bearing: 105.817
Destination Bearing Reference: Magnetic direction
HPositioningError: 5
Image Direction: 105.817
Image Direction Reference: Magnetic north
Latitude: 43° 54' 24.792" N
Longitude: 72° 34' 2.988" W
Speed: 0
Speed Reference: Kilometers per hour

Q:PET:Allen.2-1: b) With respect to A4 of your rebuttal testimony, Explain whether the bear habitat you discuss is concentrated and identifiable, and also explain the basis for any such conclusions.

A:PET:Allen.2-1: b) As per my testimony, it is identifiable as bear habitat.

Q:PET:Allen.2-1: c) With respect to A4 of your rebuttal testimony, Please define what is meant by "concentrated" black bear habitat and explain the basis for the definition provided.

A:PET:Allen.2-1: c) I didn't use the word "concentrated" in my rebuttal testimony. It's the Applicant's responsibility to understand the meaning of the word in Criterion 8A.

Q:PET:Allen.2-1: d) With respect to A4 of your rebuttal testimony, Is the habitat you observed decisive to the survival of the black bears that you contend use the Project site? If so, why? Please explain your response in detail.

A:PET:Allen.2-1: d) I don't know if it's decisive to their survival, but that doesn't justify its destruction or degradation. The cumulative effects of habitat fragmentation and loss by projects like this one makes common species become less common and eventually imperiled.

Q:PET:Allen.2-1: e) With respect to A4 of your rebuttal testimony, Explain if and how the Project would destroy or significantly imperil necessary black bear habitat.

A:PET:Allen.2-1: e) Food sources in the LOD during fall hyperphagia and in early spring will be destroyed. Food sources in the adjacent wetlands and seeps will be degraded.

Q:PET:Allen.2-2: Explain if and how the Project would destroy or significantly imperil necessary wildlife habitat or any endangered species.

A:PET:Allen.2-2: The project will fragment forest land and wildlife habitat. The property serves as a crossing point that connects two large habitat blocks, both containing core habitat. Except for plants, there have not been any surveys of rare and endangered species so there is risk that this project may adversely affect RTE species.

Q:PET:Allen.2-3: With respect to A4 of your rebuttal testimony, admit that black bears will continue to have access to the forested wetlands and stream along the road at the Project site after the Project is installed. If denied, explain the basis for the denial.

A:PET:Allen.2-3: Denied. Fencing will limit bear movement, inhibit safe access to the forested wetlands and seeps, and push black bear movement closer to human development, increasing the potential for conflicts and harm. The wetlands and seeps will be degraded by inadequate wooded buffers.

Q:PET:Allen.2-4: With respect to A4 of your rebuttal testimony, admit that the Project LOD does not have beech or oak stands.

A:PET:Allen.2-4: I don't understand the question. I did not write anything about beech or oak in my rebuttal testimony. I admit that I have not noticed mature beech within the LOD. I deny that there is no oak in the LOD.

Q:PET:Allen.2-5: With respect to A4 of your rebuttal testimony, admit that the Project LOD does not contain grassland bird habitat.

A:PET:Allen.2-5: I don't understand the question. I did not write anything about grassland bird habitat in my rebuttal testimony. I admit that I have not noticed grassland bird habitat within the LOD.

I declare that the above statement is true and accurate to the best of my knowledge and belief. 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 in Randolph, Vermont this 15th day of July, 2022.

A handwritten signature in black ink, appearing to read "Joan Allen", written in a cursive style.

Joan Allen, *pro se*
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