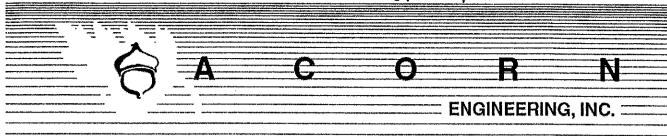
CK# 1962



Town of Windham Zoning Board of Appeals 8 School Road Windham, ME04062

July 15, 2021

Subject:

Zoning Board of Appeals Variance Request Solar Array Development – Freeman Hill

Dear Members of the Board:

Acorn Engineering, Inc. has been retained by Green Lantern Solar, an established renewable energy leader in New England, to provide civil engineering and permitting services for a proposed solar array development on a landlocked parcel located off Roosevelt Trail (Route 302). Due to the existing lot configuration and its lack of legal street frontage, the purpose of this application is to request a variance from the Town's dimensional standard requirement of 150 feet of public road frontage required for development in the Commercial 2 (C-2) zoning district. Given the parcel is landlocked, there is a practical difficulty to development on this lot with strict adherence to the existing dimensional standards. We believe this request meets the seven criteria listed in Section 1106.D under the Land Use Ordinance justifying the dimensional standard variance.

The 12.24-acre parcel is primarily located within the C-2 district with a portion of the rear property lying withing the RL—Residential Limited zoning districts and will abide by a minimum 50-foot setback where it abuts residential uses. The site would be accessed by a private 50-foot access easement/right-of-way linking the site to Roosevelt Trail. To facilitate this renewable energy project, the variance from 150' of public street frontage to 0' of public frontage would not functionally affect the project as the site design will still feature a deeded access point with a hammerhead turnaround on site to accommodate emergency and maintenance apparatus. The private right-of-way would be privately maintained and seldom travelled upon.

Accompanying this letter is a package of materials intended to comply with the ZBA Application Checklist and requirements. If you have any questions regarding this application or the completeness of the materials, please contact us within the next five days.

Sincerely,

Samuel J. Lebel, P.E.

Project Manager

Sum Lebel

Acorn Engineering, Inc.

William H. Savage, P.E.

Will hung

Principal

Acorn Engineering, Inc.

To Whom It May Concern,

As the landowner of Map 21, Lot 3 as identified on an ALTA/NSPS Land Title Survey prepared by Northern Survey Engineering (NORSE), I hereby authorize Acorn Engineering to request an application on behalf of Green Lantern Solar in order to request a variance before the Windham Zoning Board of Appeals for the minimum public street frontage dimensional standard.

TMC Holdings LLC 6 Dominion Road Windham, ME 04062

Drintado

Matthew Wright

Title: President

Signature:

Date:

APPLICATION FOR APPEAL TO WINDHAM ZONING BOARD OF APPEALS LAND USE APPLICATION

APPLICANT	
NAME:	
ADDRI	ESS: PO Box 658, Waterbury, VT 05676
	TELEPHONE: (207)939-8615
OWNER	TMC HOLDINGS LLC [Landayman]
NAME:	TMC HOLDINGS LLC [Landowner]
ADDRI	ESS: 6 DOMINION RD., WINDHAM, ME 04062
	TELEPHONE:
ADDRESS OF	PROPERTY OR LOCATION _ 994 ROOSEVELT TRAIL / FREEMAN HILL
MAP # 21	LOT # 3 PROPERTY IS ZONED C2-COMMERICAL/RL-RESIDER
LOT WIDTH:	879 FT LOT DEPTH: 597 FT LOT AREA: <u>533,174</u>
	E OF PROPERTY: UNDEVELOPED LAND
	TYPE OF APPLICATION
-	X Variance from Ordinance
-	Conditional Use
-	Appeal from decision of Code Enforcement Officer
-	Home Occupation 2
DD ODOGDD II	CD. Diogo describe in detail what was wish to do and what the same Con-
	<u>SE:</u> Please describe in detail what you wish to do and what the use of any ures will be. (Attach a letter of explanation if necessary:)
proposed struct	ures will be. (Attach a letter of explanation if necessary:)
Construction of	f a solar panel array, access road, and associated infrastructure.
Why is Board o	of Appeals approval required?
To obtain a var	iance from the dimensional standard requirement of 150 ft. public road frontage
	ing landlocked parcel.
due to the exist	mg landrooked pareer.
Amount of vari	ance required, if any:
TYPE OF SEW	/AGE DISPOSAL SYSTEM: Present NA Proposed
	L DIMENSIONS: (Exterior length and width)
Existing	: NA ft. By ft. Number of Stories
Proposed	d: NA ft. By ft. Number of Stories
NUMBER OF	ROOMS IN PROPOSED STRUCTURE: NA
	AL PLUMBING CONTEMPLATED? Yes NoX
	lease describe:
	, HAS PLANNING BOARD APPROVAL BEEN OBTAINED?
Yes	No X Not Required

A location map and a scaled site plan must accompany this application. The site plan must show dimensions of the property, location of all buildings, yards, parking spaces and septic systems, and all existing and proposed setbacks.

An application fee of \$400.00 for residential appeals as well as for non-residential or multi-family is required upon application submission. If the Code Enforcement Office determines that ordinary and customary expenses associated with review of the development are higher than the \$400.00 fee, then the applicant shall be billed and shall pay to the Town prior to the final approval said expenses, including, but not limited to cost associated with notification of abutters, advertising of public meetings, and all the time dedicated to review of the development.

NOTE: Applicant or his/her representatives must attend board meetings. If a request is needed to be tabled, the applicant or his/her representative must attend meeting to ask to be tabled. (11/21/91).

The right of any variance from the terms of this chapter granted by the Board of Appeals shall expire if the work or change permitted under the variance is not begun within six (6)months or substantially completed within one (1) year of the date of the vote by the Board.

I CERTIFY THAT THI	E INFORMATION CO.	NTAINE	D IN THIS	APPLICATIO	N AND IN
ITS SUPPLEMENTS I	S TRUE AND CORRE	CT.			
	$\mathcal{N}_{\mathcal{I}}$				
Applicant's Signature	A Xal	Date	07/15/20	21	

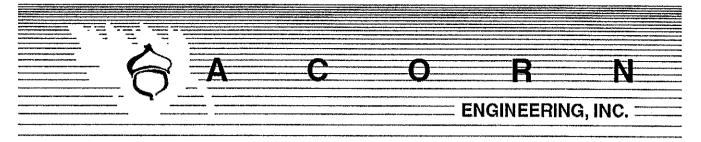
Statement to Town of Windham Board of Appeals

I acknowledge submitting my	application to	the Board	of Appeals	and signi	ng this	statement	that
I the undersigned:							

State the proposed plan is to scale and reflects the true representation of the proposal requested.

I further understand that if the Board finds that it does not, then the Board has the right to table my application until I have met the requirements.

Applicants		ZI.II.				
Signature	Ź	-Article	Date	te	07/15/2021	



Town of Windham Zoning Board of Appeals 8 School Road Windham, ME04062

July 15, 2021

Subject:

ZBA Conditional Use Question Response

Question: Property Value. The proposed use will not depreciate the economic value of surrounding properties.

Response: The proposed development will be a low-volume, low traffic, low-height development with the panels treated as structures including a vegetated buffer and 50' setback along the northwest property line where the project abuts residential uses.

Question: Wildlife Habitat. The proposed use will not damage significant wildlife habitat or spawning grounds identified by the Maine Department of Inland Fisheries and Wildlife or by the Town of Windham's Comprehensive Plan.

Response: A professional wetland scientist and natural resource firm surveyed the site in early 2021 and it was determined that there are no identified natural resources such as wetlands or critical wildlife habitat on site Various natural resources exist in the vicinity of the project, off site, which will not be negatively impacted by this project. Furthermore, fencing design will accommodate wildlife passage for small animals.

Question: Botanical Species. The proposed use will not damage rare or endangered botanical species as identified by the Maine Department of Conservation or by the Town of Windham's Comprehensive Plan.

Response: There are no mapped botanical species by the State or Town, nor identified by the natural resource investigation by Flycatcher LLC.

Question: Potable Water

- (a) The proposed use has access to potable water,
- (b) The proposed use will not burden either a groundwater aquifer or public water system.

Response: Not applicable. Water is not necessary.

Question: Sewage Disposal. The proposed use has adequate capacity to dispose of sewage waste. A change from one use to another use must show that either:

- (a) The existing sewage system has adequate capacity for the proposed use, or
- (b) The existing system will be improved, or a new system will be installed to provide adequate waste disposal capacity.

Response: Not applicable. Sewer is not necessary.

Question: Traffic. The proposed use has adequate sight distance as established by current Maine DOT Highway Entrance and Driveway Rules. Sec. 500 Performance Standards Land Use Ordinance Town of Windham

Response: The development will generate little to no daily traffic. The private right-of-way will abut Roosevelt Trail at a 90-degree angle with sufficient sight distance in each direction meeting local and state regulations. At this location, Roosevelt Trail features a relatively minor slope with wide shoulders and a straight horizontal alignment which are all ideal for large sight distances.

Question: Public Safety. The proposed use will not overburden police, fire and rescue services, as determined by response time, accessibility to the site of the proposed use, and numbers and types of emergency personnel and equipment presently serving the community.

Response: No burden is anticipated as part of this project. In the event of an emergency, a large hammerhead turnaround is proposed on site to facilitate the reversal of a fire apparatus.

Question: Vibration. The proposed use will not produce inherently and recurrently generated vibrations that exceed a peak particle velocity greater than 2.0 at the closest "protected structure," as defined by the Maine Department of Environmental Protection.

Response: The project will not create vibrations in exceedance of a peak particle velocity of 2.0 as measured at the closest protected structure.

Question: Noise. The proposed use shall meet the noise standards in Section 812.S. of the Site Plan Review Ordinance.

Response: Given the equipment area will be approximately 300' from the nearest house, the maximum decibel levels outlined in Section 812.S will be complied with.

Question: Off-Street Parking and Loading. The proposed use meets the parking and loading standards of Section 812.C. Site Plan Review.

Response: Not applicable. No dedicated parking is required or proposed.

Question: Odors. The proposed use will not emit noxious or odorous matter in such quantities as to be offensive at the lot boundaries.

Response: The project will comply with this standard.

Question: Air Pollution. No emission of dust or other form of air pollution is permitted which can cause any damage to health, to animals or vegetation, or other forms of property, or which can cause any excessive soiling at any point, and in no event any emission, from any activity permitted composed of any solid or liquid particles in concentration exceeding three-tenths (0.3) grain per cubic foot of the

conveying gas or air at any point.

Response: The project will comply with this standard.

Question: Water Pollution. No discharge at any point into any private sewage disposal system or stream or into the ground of any materials in such nature or temperature as to contaminate any water supply or otherwise cause the emission of dangerous or objectionable elements is permitted.

Response: The project site will be seeded with meadow grasses to attenuate stormwater runoff. As defined by the Maine DEP, the panels do not constitute impervious area. The site's runoff will not be discharged to the sewer or stream, nor will there be notable concentrations of contaminates. The project will comply with Maine DEP best practices for solar projects.

Question: Erosion and Sediment Control. The proposed use will not cause water pollution, sedimentation, erosion, nor contaminate any water supply, nor reduce the capacity of the land to hold water, so that a dangerous or unhealthy condition may result.

Response: Clearing and construction will be subject to Maine DEP standards under a Maine Construction General Permit and/or Stormwater Permit-By-Rule. The project will not result in erosion or sedimentation, neither during or after construction.

Question: Hazardous Material. No use shall for any period of time discharge across the boundaries of the lot wherein it is located toxic and noxious matter in concentrations so that a dangerous or unhealthy condition may result.

Response: The project will not store on site nor release hazardous materials.

Question: Zoning District and Performance Standards. The proposed use meets the applicable zoning district standards in Section 400 and the applicable performance standards of Section 500. Town of Windham Land Use Ordinance Sec. 500 Performance Standards 5-11.

Response: With the exception of the public street frontage, the proposed use meets all applicable Town zoning and performance standards. Should the Zoning Board of Appeals grant the practical difficulty variance, the proposed project would then apply for a Site Plan Permit with the Planning Board.

Question: Solid Waste Management. The proposed use shall provide for adequate disposal of solid wastes. All solid waste must be disposed of at a licensed disposal facility having adequate capacity to accept the project's wastes.

Response: The project would not generate solid waste. Any de minimis waste would be disposed of at a licensed disposal facility off site.

Thank you for your review. Please let us know if you have any questions or comments relating to these items.

Sincerely,

Samuel J. Lebel, P.E.

Project Manager

Sum Lebel

Acorn Engineering, Inc.

William H. Savage, P.E.

Will Surge

Principal

Acorn Engineering, Inc.

