

To: Freedom Planning Board

From: Mike Smith and Willa Dibner

Date: 10/10/2023

RE: Whitetail LLC Proposed Solar Development, Route 137/ Carey Lane, Freedom, Maine

We are the abutters to this proposed development. As we understand it, the Town of Freedom has no ordinances specific to this type of development.

Below are a few of our concerns that we hope you will consider in the review of this development.

The Rusty Patch Bumblebee is a federally Endangered Species unique to Waldo County in Maine. We hope you will consider the impacts of this development on this species.

The field is used by migratory waterfowl (Canadian Geese) on a regular basis.

We would hope that a vernal pool survey of the surrounding land adjacent to the field has been done. Typically Significant Vernal Pools can only be identified in the Spring of the year.

We are concerned that an adjacent development such as this may diminish our property value.

We are concerned that Freedom's farming and rural appeal will be degraded.

We are concerned that this project will open the door to more and larger solar developments in Freedom Maine.

Per an attached document, the black body radiation emitted from this development will negate the carbon sequestration of the existing farmland.

We hope you will carefully review their Soil Erosion and Sedimentation plan and the area will be properly stabilized.

We expect that you will require the developer to restore the property to its current vegetated conditions.

As abutters, we want to make sure the Planning Board knows that Carey Lane is owned and maintained by us. The property line is surveyed and extends into the field by 15-20 feet. Therefore, we expect the Town's property line setbacks to be appropriately applied from this surveyed property line.

We are sure that there are other considerations to be made regarding such a development. We would agree that the Town should consider a moratorium until a Solar specific ordinance can be put in place.

Your attention and consideration is appreciated.

Mike & Willa Smith

387-6194

Subject: Solar

From: Valerie Derosier <valderosier@gmail.com>

Date: 10/10/2023, 11:23 AM

To: Mike Smith <willa@fairpoint.net>

Please read Betting y'all haven't heard this before? As more & more counties get more solar farms.....
>From a STEPHENVILLE resident, George Franklin: I should start by telling you what bonafides I have for writing this. I am a retired aerospace engineer. A literal rocket scientist if you will. I worked on MX (Peacekeeper) Space Shuttle, Hubble, Brilliant Pebbles, PACOSS, Space Station, MMU, B2, the Sultan of Brunei's half billion dollar private 747 with crystal showers, gold sinks and 100 dollar a yard coiffed silk carpets. I designed a satphone installation on prince Jeffry's 757. I did all of the design work for the structure of Mark 1V propulsion module currently flying on at least 3 spacecraft that I know of. Some of the more exciting projects I have worked on are not shareable. My personal projects include a spin fishing reel with a 4.5 inch spool which is entirely my own designed, machined and assembled. It has 2 features that are patentable. A unique true flat level wind and a unique line pickup mechanism. I am also am FAA certified glider pilot and FAI certified gold glider pilot. I fly both full scale and model sailplanes. I am Microsoft certified and ComTIA A+ certified. ~~Solar~~ Solar panels are at best about 20% efficient. They convert 0% of the UV light that hits them. None of the visible spectrum and only some of the IR spectrum. At the same time as they are absorbing light they are absorbing heat from the sun. This absorbed heat is radiated into the adjacent atmosphere. It should be obvious what happens next. When air is warmed it rises. Even small differences in ordinary land surfaces are capable of creating powerful forces of weather like thunderstorms and tornadoes. These weather phenomena are initiated and reinforced by land features as they are blown downwind. It is all too obvious to me what will happen with the heat generated by an entire solar farm. Solar farms will become thunderstorm and tornado incubators and magnets. Solar panels are dark and and they emit energy to the space above them when they are not being radiated. This is known as black-body radiation. Satellites flying in space use this phenomenon to cool internal components. If they didn't do this they would fry themselves. So solar farms not only produce more heat in summer than the original land that they were installed on, but they also produce more cooling in winter, thus exacerbating weather extremes. So I conclude with this. There is nothing green about green energy except the dirty money flowing into corrupt pockets. There is not such thing as green energy. The science doesn't exist. The technology doesn't exist. The engineering doesn't exist. We are being pushed to save the planet with solutions that are worse than the problems.

By Randy Feagle