

**From:** Bassett, Joseph C CIV USAF 224 ADG (US)  
**To:** [Paul Williamson](#)  
**Subject:** RE: Downeast Windfarm  
**Date:** Friday, June 23, 2017 2:03:00 PM

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Paul,

After plotting your projected work area and our telephone discussions. Your windmill heights of approximately 1,000 ft. MSL will still allow the proper obstruction clearance for the Military Training Route IR800. We give you a Go from the Eastern Air Defense Sector perspective.

V/R  
///SIGNED///

Joe Bassett  
Airspace Management Branch  
Eastern Air Defense Sector/DOS  
Joseph.C.Bassett.Civ@mail.mil  
366 Otis Street, Rome, NY 13441-4812  
DSN: 587-6784 Comm:(315) 334-6784

-----Original Message-----

From: Paul Williamson [<mailto:paul.williamson@apexcleanenergy.com>]  
Sent: Friday, June 23, 2017 12:23 PM  
To: Bassett, Joseph C CIV USAF 224 ADG (US) <joseph.c.bassett.civ@mail.mil>  
Subject: [Non-DoD Source] RE: Downeast Windfarm

Joseph,

It is somewhat difficult for me to make out the geographical and landmark details on the map you provided.

To confirm the turbine locations, the following points are the extremities of the project area, the last one being the most northern turbine location.

I believe these positions are well south of point Kilo and the drop to 200 feet. Please let me know if you find this not to be the case.

Thank you

Lat 44.6792749470014  
Lon -67.8158753838191

Lat 44.6687135587227  
Lon -67.8789150333139

Lat 44.6883036368711  
Lon -67.857858888836

Lat 44.7388168343361  
Lon -67.9227833503892

Paul Williamson  
Development Manager  
207-242-3521  
[paul.williamson@apexcleanenergy.com](mailto:paul.williamson@apexcleanenergy.com)

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-----Original Message-----

From: Bassett, Joseph C CIV USAF 224 ADG (US) [<mailto:joseph.c.bassett.civ@mail.mil>]  
Sent: Friday, June 23, 2017 11:18 AM  
To: Paul Williamson <[paul.williamson@apexcleanenergy.com](mailto:paul.williamson@apexcleanenergy.com)>  
Subject: RE: Downeast Windfarm

On the depiction that I sent was that the correct area you are planning for the windmills? If my map is off and the windmills are further north the aircraft descend down to 200 ft AGL and that would turn into an issue.

///SIGNED///

Joe Bassett  
Airspace Management Branch  
Eastern Air Defense Sector/DOS  
[Joseph.C.Bassett.Civ@mail.mil](mailto:Joseph.C.Bassett.Civ@mail.mil)  
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-----Original Message-----

From: Paul Williamson [<mailto:paul.williamson@apexcleanenergy.com>]  
Sent: Friday, June 23, 2017 11:09 AM  
To: Flanders, Jamie A CIV USAF NGB A2/3/6 (US) <[jamie.a.flanders.civ@mail.mil](mailto:jamie.a.flanders.civ@mail.mil)>; Bassett, Joseph C CIV USAF 224 ADG (US) <[joseph.c.bassett.civ@mail.mil](mailto:joseph.c.bassett.civ@mail.mil)>  
Subject: [Non-DoD Source] RE: Downeast Windfarm

Good morning Joseph and Jaime,  
Could you confirm if my summery understanding of the training route and flight obstacles for the Downeast Wind Project noted below is correct?  
Please let me know if I need to take any further steps for consideration.  
Kind regards,

Paul Williamson  
Development Manager  
207-242-3521  
[paul.williamson@apexcleanenergy.com](mailto:paul.williamson@apexcleanenergy.com)

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-----Original Message-----

From: Paul Williamson  
Sent: Friday, June 16, 2017 12:16 PM  
To: 'Flanders, Jamie A CIV USAF NGB A2/3/6 (US)' <[jamie.a.flanders.civ@mail.mil](mailto:jamie.a.flanders.civ@mail.mil)>; Bassett, Joseph C CIV

USAF 224 ADG (US) <joseph.c.bassett.civ@mail.mil>  
Subject: RE: Downeast Windfarm

Thank you James,  
Joe and James,  
Please let me know if my conclusion looks accurate:  
The second pass is at 3000 ft MSL.  
The maximum ground level at the wind turbine site is 310 ft.  
The maximum tip height of our turbine blade will be 591 ft making the maximum project obstruction height 901 ft MSL.  
Therefore, the clearance of 2099 exceeds the requirements.  
Please let me know if that is accurate.  
Thank you for your time and consideration.  
Kind regards,

Paul Williamson  
Development Manager  
207-242-3521  
paul.williamson@apexcleanenergy.com

The contents of this e-mail and any attachments hereto are confidential and intended only for use by the addressee(s) named herein. The information may also be legally privileged. This transmission is sent in trust, for the sole purpose of delivery to the intended recipient. If you are not the intended recipient of this e-mail, any use reproduction or dissemination of this transmission is strictly prohibited. If you have received this e-mail in error, please notify me by replying to this message and permanently delete the original e-mail and its attachments, including any copies or printouts thereof.

-----Original Message-----

From: Flanders, Jamie A CIV USAF NGB A2/3/6 (US) [<mailto:jamie.a.flanders.civ@mail.mil>]  
Sent: Friday, June 16, 2017 11:57 AM  
To: Bassett, Joseph C CIV USAF 224 ADG (US) <joseph.c.bassett.civ@mail.mil>; Paul Williamson <paul.williamson@apexcleanenergy.com>  
Subject: RE: Downeast Windfarm

AF and ANG requirements are to maintain 500ft or more clearance from obstacles and terrain.

JAMIE A. FLANDERS  
NGB/A2/3/6/10YR Airspace Manager  
DSN: 612-9253  
Comm: 240-612-9253

-----Original Message-----

From: Bassett, Joseph C CIV USAF 224 ADG (US)  
Sent: Friday, June 16, 2017 10:57 AM  
To: paul.williamson@apexcleanenergy.com  
Cc: Flanders, Jamie A CIV USAF NGB A2/3/6 (US) <jamie.a.flanders.civ@mail.mil>  
Subject: Downeast Windfarm

Paul / Jamie

Here is a product I made to help visualize if there is any impact on the prospective farm. It looks like our aircraft would make 2 passes over the line of windmills. The first pass would be at 17,000 MSL (no factor) . At point Bravo they make a descending right hand turn and between India and Juliet they pass over the line a second time at 3,000

MSL. At point Kilo they drop to 200' AGL

Question for you Jamie. Do we need 2,000 ft obstacle separation?

///SIGNED///

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