

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

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

[REDACTED]

-----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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Paul Williamson
Development Manager
207-242-3521
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>
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
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 11:09 AM
To: Flanders, Jamie A CIV USAF NGB A2/3/6 (US) <jamie.a.flanders.civ@mail.mil>; Bassett, Joseph C CIV USAF 224 ADG (US) <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

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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>; 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

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-----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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