



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2017-WTE-2012-OE

Issued Date: 08/23/2017

David Gil
Eight Point Wind, LLC
700 Universe Blvd.
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**** NOTICE OF PRESUMED HAZARD ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Wind Turbine 1
Location:	Greenwood, NY
Latitude:	42-08-01.11N NAD 83
Longitude:	77-43-32.05W
Heights:	2258 feet site elevation (SE) 590 feet above ground level (AGL) 2848 feet above mean sea level (AMSL)

Initial findings of this study indicate that the structure as described exceeds obstruction standards and/or would have an adverse physical or electromagnetic interference effect upon navigable airspace or air navigation facilities. Pending resolution of the issues described below, the structure is presumed to be a hazard to air navigation.

See Attachment for Additional information.

Further study has been initiated by the FAA.

The structure will cause interference to the primary radar returns to Dansville, NY (DSV) Common Air Route Surveillance Radar (CARSR) radar. For more detailed information contact Cindy Whitten at 816-329-2528.

To pursue a favorable determination, all issues regarding radar performance must be resolved.

NOTE: PENDING RESOLUTION OF THE ISSUE(S) DESCRIBED ABOVE, THE STRUCTURE IS PRESUMED TO BE A HAZARD TO AIR NAVIGATION. THIS LETTER DOES NOT AUTHORIZE CONSTRUCTION OF THE STRUCTURE EVEN AT A REDUCED HEIGHT. ANY RESOLUTION OF THE ISSUE(S) DESCRIBED ABOVE MUST BE COMMUNICATED TO THE FAA SO THAT A FAVORABLE DETERMINATION CAN SUBSEQUENTLY BE ISSUED.

IF MORE THAN 60 DAYS FROM THE DATE OF THIS LETTER HAS ELAPSED WITHOUT ATTEMPTED RESOLUTION, IT WILL BE NECESSARY FOR YOU TO REACTIVATE THE STUDY BY FILING A NEW FAA FORM 7460-1, NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION.

If we can be of further assistance, please contact our office at (816) 329-2528, or cindy.whitten@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2017-WTE-2012-OE.

Signature Control No: 327263636-341743004

(NPH -WT)

Cindy Whitten
Specialist

Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2017-WTE-2012-OE

Abbreviations:

AGL, Above Ground Level
AMSL, Above Mean Sea Level
ARSR, Air Route Surveillance Radar
ASN, Aeronautical Study Number
ATC, Air Traffic Control
CFR, Code of Federal Regulations
DME, Distance Measuring Equipment
IFR, Instrument Flight Rules
ILS, Instrument Landing System
LOC, Localizer
MOCA, Minimum Obstruction Clearance Altitude
MSA, Minimum Safe Altitude
NA, Not Authorized
NEH, No Effect Height
NM, Nautical Mile
RWY, Runway
VFR, Visual Flight Rules
VHF, Very High Frequency
VOR, VHF Omnidirectional Radio Range System

The proposal is for a wind turbine farm (36 wind turbines) at 590 feet AGL.

Section: 77.17(a) (1): A height exceeding 499 feet Above Ground Level (AGL), exceeds by 91 feet. (2017-WTE-2012-OE through 2017-WTE-2047-OE) all exceed this standard.

2017-WTE-2012-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2848 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2013-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2949 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL.

2017-WTE-2014-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2890 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2015-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2950 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL.

2017-WTE-2016-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2883 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2017-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2955 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL. Elmira ATCT/TRACON NY. ELM_MVA_CENRAP_2017 Minimum Vectoring Altitude (MVA), increase AREA A MVA from 4000 to 4100, NEH 2949 feet AMSL. Air Traffic is responsible for MVA amendments and must approve this portion of the effects.

2017-WTE-2018-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2934 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL.

2017-WTE-2019-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2873 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2020-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2937 feet V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL.

2017-WTE-2021-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2941 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL.

2017-WTE-2022-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2869 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2023-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2907 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL.

2017-WTE-2024-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2940 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL.

2017-WTE-2025-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2892 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2026-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2918 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL.

2017-WTE-2027-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2850 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2028-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2985 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL. Elmira ATCT/TRACON NY. ELM_MVA_CENRAP_2017 Minimum Vectoring Altitude (MVA), increase AREA A MVA from 4000 to 4100, NEH 2949 feet AMSL. Air Traffic is responsible for MVA amendments and must approve this portion of the effects.

2017-WTE-2029-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2864 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2030-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2872 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2031-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2930 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 AMSL.

2017-WTE-2032-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2869 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2033-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2894 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2035-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2934 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL.

2017-WTE-2036-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2869 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2044-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2959 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 5000, NEH 2764 feet AMSL. Elmira ATCT/TRACON NY. ELM_MVA_CENRAP_2017 Minimum Vectoring Altitude (MVA), increase AREA A MVA from 4000 to 4100, NEH 2949 AMSL. Air Traffic is responsible for MVA amendments and must approve this portion of the effects.

2017-WTE-2045-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2893 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

2017-WTE-2046-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2768 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4800, NEH 2764 feet AMSL.

2017-WTE-2047-OE:

Section 77.17(a) (3): A height that increases a minimum instrument flight altitude within a terminal area (TERPS criteria):

At 2881 feet AMSL, V270, increase Minimum Enroute Altitude (MEA) from WELLSVILLE (ELZ) VORTAC, 098 Radial, to WOMAN intersection from 4500 to 4900, NEH 2764 feet AMSL.

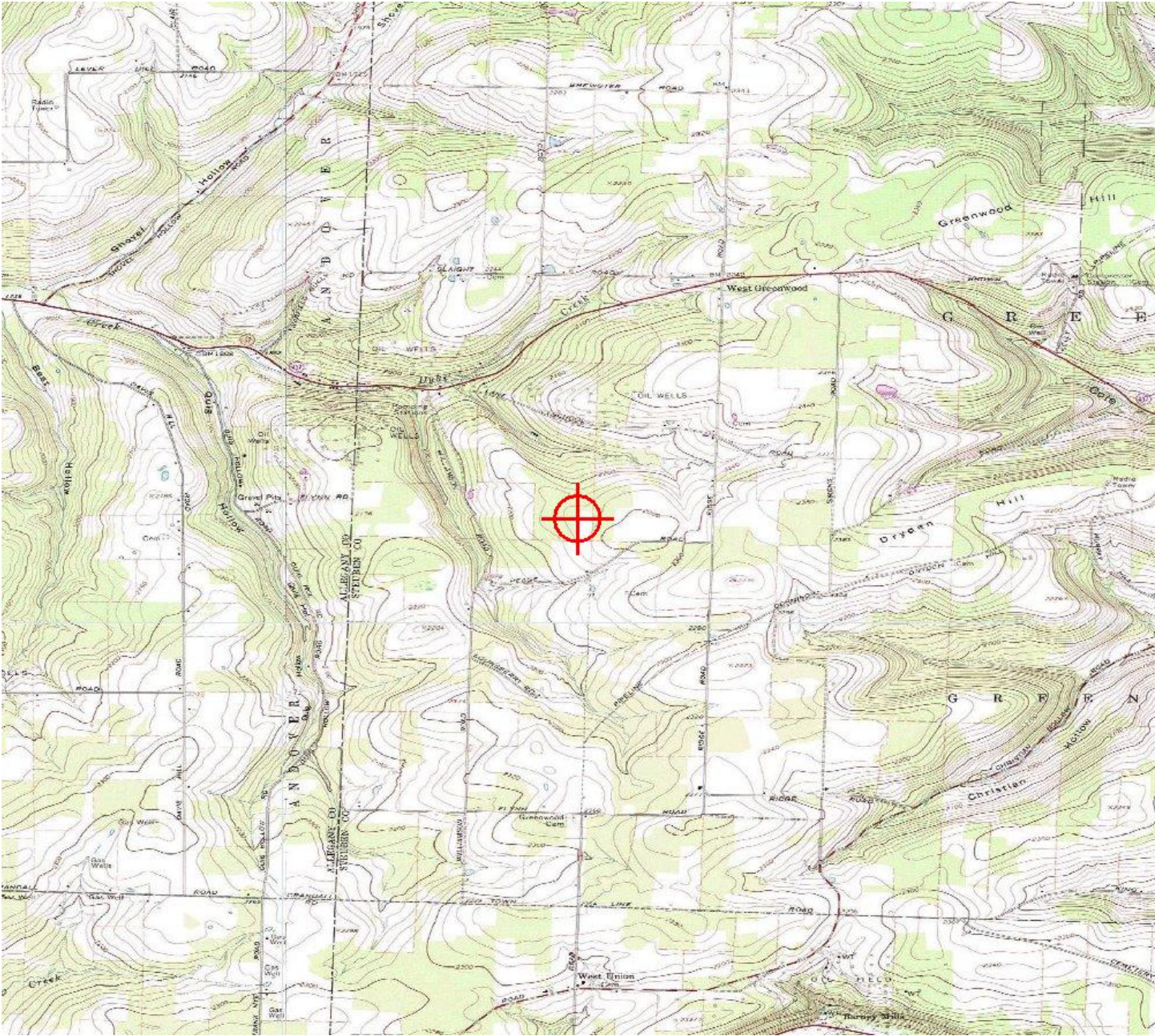
From Technical Operations:

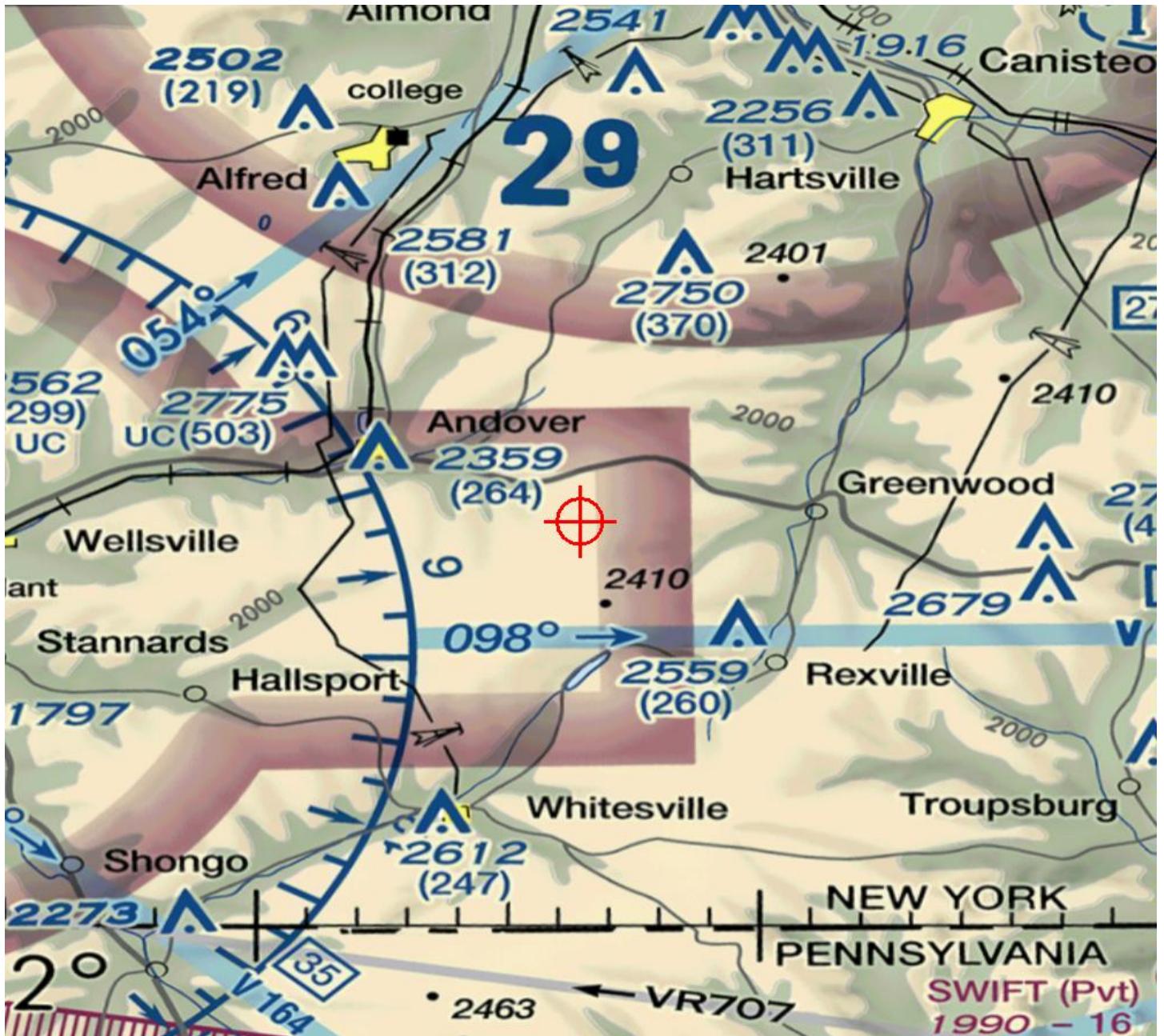
The proposal has a physical and / or electromagnetic radiation effect upon the Dansville, NY (DSV) Common Air Route Surveillance Radar (CARSR) facility(s). The proposal will affect the quality and/or availability of the DSV (CARSR) radar signal(s). Further study is necessary to fully determine the extent of the effect. The effects, their locations, and the facilities affected are: - Radar Facility: DSV (CARSR) Effects: 1) Unwanted primary-only returns (clutter) and primary-only target drops, all in the immediate area of the turbines. 2) Tracked primary-only targets could diverge from the aircraft path and follow wind turbines, when the aircraft is over or near the turbines. Facilities affected: Oberlin, OH (ZOB) Air Route Traffic Control Center (ARTCC) facility, Ronkonkoma, NY (ZNY) Air Route Traffic Control Center (ARTCC) facility, Rochester, NY (ROC) Terminal Radar Approach Control/ Air Traffic Control Tower (TRACON/ATCT) facility, Elmira, NY (ELM) Terminal Radar Approach Control/ Air Traffic Control Tower (TRACON/ATCT) facility, and Syracuse, NY (SYR) Terminal Radar Approach Control/ Air Traffic Control Tower (TRACON/ATCT) facility. This section requires further study, coordination and approval from air traffic operations.

From the Air Force and the DOD Energy Siting Clearinghouse:

Please advise proponent the structure will be located within the confines of a military training route and the Air Force requests utilization of Night Vision Goggle compatible lighting.

TOPO Map for ASN 2017-WTE-2012-OE







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2017-WTE-2012-OE

Issued Date: 10/20/2017

David Gil
Eight Point Wind, LLC
700 Universe Blvd.
E5420
Juno Beach, FL 33408

**** PUBLIC NOTICE ****

The Federal Aviation Administration is conducting an aeronautical study concerning the following:

Structure:	Wind Turbine 1
Location:	Greenwood, NY
Latitude:	42-08-01.11N NAD 83
Longitude:	77-43-32.05W
Heights:	2258 feet site elevation (SE) 590 feet above ground level (AGL) 2848 feet above mean sea level (AMSL)

The structure above exceeds obstruction standards. To determine its effect upon the safe and efficient use of navigable airspace by aircraft and on the operation of air navigation facilities, the FAA is conducting an aeronautical study under the provisions of 49 U.S.C., Section 44718 and, if applicable, Title 14 of the Code of Federal Regulations, part 77.

**** SEE REVERSE SIDE FOR ADDITIONAL INFORMATION ****

In the study, consideration will be given to all facts relevant to the effect of the structure on existing and planned airspace use, air navigation facilities, airports, aircraft operations, procedures and minimum flight altitudes, and the air traffic control system.

Interested persons are invited to participate in the aeronautical study by submitting comments to the above FAA address or through the electronic notification system. To be eligible for consideration, comments must be relevant to the effect the structure would have on aviation, must provide sufficient detail to permit a clear understanding, must contain the aeronautical study number printed in the upper right hand corner of this notice, and must be received on or before 11/26/2017.

This notice may be reproduced and circulated by any interested person. Airport managers are encouraged to post this notice.

If we can be of further assistance, please contact our office at (816) 329-2524, or brian.a.barnes@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2017-WTE-2012-OE.

Signature Control No: 327263636-347034774

(CIR -WT)

Brian Barnes

Specialist

Attachment(s)

Part 77

Additional Information

Map(s)

Additional Information for ASN 2017-WTE-2012-OE

Proposal: To construct and/or operate a(n) Wind Turbine to a height of 590 feet above ground level, 2848 feet above mean sea level.

Location: The structure will be located 11.89 nautical miles east of ELZ Airport reference point.

Part 77 Obstruction Standard(s) Exceeded:

Additional information for ASN 2017-WTE-2012-OE

Abbreviations:

AGL, Above Ground Level

AMSL, Above Mean Sea Level

ASN, Aeronautical Study Number

CFR, Code of Federal Regulations

NM, Nautical Mile

The proposed structures are part of a proposed wind farm that would be located approximately 11.65 NM east of the Airport Reference Point for the Wellsville Municipal Airport/Tarantine Field (ELZ) Wellsville, NY and extending east/southeast to a point approximately 16.7 NM from the airport. A total of 36 turbines were filed for this project and are being studied separately. However, in order to facilitate the public comment process, the studies are being circularized under ASN 2017-WTE-2012-OE. All comments received from this circularization will be considered in completing the separate determinations for each study. The ASNs with AGL heights, AMSL heights, and coordinates are as follows:

ASN	/ AGL /	AMSL /	Latitude	/ Longitude
2017-WTE-2012-OE	/ 590 /	2848 /	42-08-01.11N	/ 77-43-32.05W
2017-WTE-2013-OE	/ 590 /	2949 /	42-08-04.35N	/ 77-42-33.63W
2017-WTE-2014-OE	/ 590 /	2890 /	42-07-46.20N	/ 77-43-02.06W
2017-WTE-2015-OE	/ 590 /	2950 /	42-06-52.90N	/ 77-43-45.03W
2017-WTE-2016-OE	/ 590 /	2883 /	42-07-15.61N	/ 77-43-13.09W
2017-WTE-2017-OE	/ 590 /	2955 /	42-07-09.06N	/ 77-42-29.46W
2017-WTE-2018-OE	/ 590 /	2934 /	42-06-56.11N	/ 77-42-08.84W
2017-WTE-2019-OE	/ 590 /	2873 /	42-07-04.25N	/ 77-41-34.88W
2017-WTE-2020-OE	/ 590 /	2937 /	42-05-56.37N	/ 77-43-20.24W
2017-WTE-2021-OE	/ 590 /	2941 /	42-06-24.13N	/ 77-42-42.03W
2017-WTE-2022-OE	/ 590 /	2869 /	42-06-14.59N	/ 77-42-01.42W
2017-WTE-2023-OE	/ 590 /	2907 /	42-06-27.59N	/ 77-41-18.28W
2017-WTE-2024-OE	/ 590 /	2940 /	42-06-38.35N	/ 77-40-49.86W
2017-WTE-2025-OE	/ 590 /	2892 /	42-06-49.19N	/ 77-40-21.66W
2017-WTE-2026-OE	/ 590 /	2918 /	42-05-44.82N	/ 77-41-05.97W
2017-WTE-2027-OE	/ 590 /	2850 /	42-05-05.37N	/ 77-42-27.25W
2017-WTE-2028-OE	/ 590 /	2985 /	42-04-45.98N	/ 77-42-30.67W
2017-WTE-2029-OE	/ 590 /	2864 /	42-04-26.05N	/ 77-41-18.45W
2017-WTE-2030-OE	/ 590 /	2872 /	42-02-58.31N	/ 77-42-13.50W
2017-WTE-2031-OE	/ 590 /	2930 /	42-03-22.55N	/ 77-41-08.80W
2017-WTE-2032-OE	/ 590 /	2869 /	42-02-48.81N	/ 77-40-22.35W
2017-WTE-2033-OE	/ 590 /	2894 /	42-02-13.93N	/ 77-42-02.89W
2017-WTE-2034-OE	/ 590 /	2936 /	42-02-17.58N	/ 77-41-22.93W
2017-WTE-2035-OE	/ 590 /	2934 /	42-02-16.36N	/ 77-39-53.15W
2017-WTE-2036-OE	/ 590 /	2869 /	42-01-58.03N	/ 77-40-37.33W
2017-WTE-2037-OE	/ 590 /	2858 /	42-01-06.14N	/ 77-41-18.63W

2017-WTE-2038-OE / 590 / 2851 / 42-00-58.43N / 77-40-20.34W
2017-WTE-2039-OE / 590 / 2855 / 42-00-57.22N / 77-39-47.81W
2017-WTE-2040-OE / 590 / 2857 / 42-01-27.28N / 77-38-26.72W
2017-WTE-2041-OE / 590 / 2853 / 42-00-37.82N / 77-41-20.34W

2017-WTE-2042-OE / 590 / 2828 / 42-00-33.37N / 77-39-31.04W
2017-WTE-2043-OE / 590 / 2851 / 42-00-54.94N / 77-38-18.32W
2017-WTE-2044-OE / 590 / 2959 / 42-06-14.32N / 77-43-05.21W
2017-WTE-2045-OE / 590 / 2893 / 42-03-46.11N / 77-40-01.63W
2017-WTE-2046-OE / 590 / 2768 / 42-03-30.37N / 77-40-14.01W
2017-WTE-2047-OE / 590 / 2881 / 42-02-28.38N / 77-40-26.86W

These would exceed the obstruction standards of 14 CFR Part 77 as follows:

All exceed Section 77.17(a)(1): by 91 feet; a height that exceeds 499 feet AGL.

