Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1000, Syracuse, New York 13202
P. 315.471.0688 • F. 315.471.1061 • www.edrdpc.com

memorandum

To:	Well Survey Recipient	**EDR Project No:**	13039
From:	EDR (on behalf of EverPower)		
Date:	February 27, 2017		
Reference:	**Baron Wind Project - Private Well Survey**		

Comments:

Dear Sir or Madam:

As you may be aware, Baron Winds, LLC is proposing to construct an up to 300 megawatt (MW) wind power project ("the Facility") in the Towns of Avoca, Cohocton, Dansville, Fremont, Howard, and Wayland in Steuben County, New York. The proposed Facility is subject to the rules for siting a major electric generating facility under Article 10 of the New York State Public Service Law ("PSL"). In accordance with the Article 10 regulations, a Preliminary Scoping Statement "PSS" for this Project was released in August 2016 and is available on the Project's website at https://everpower.com/baron-winds-wind-project-steuben-county-ny/ . Please refer to the PSS for additional details regarding the proposed Project.

A variety of work is now underway to identify various environmental resources, which will inform the future environmental impact analyses to be conducted in support of the Article 10 requirements. As part of this effort, the Applicant is mailing the attached voluntary survey to landowners within the vicinity of the proposed Facility to identify the presence and condition of private water wells.

In order to properly identify water wells on your property we request that you fill out the attached survey form and sketch sheet regarding this property to the best of your knowledge, and return the completed form in the included stamped envelope. Please email any questions regarding this request to Baronwellsurvey@gmail.com and use the Subject Line: Baron Winds Private Well Survey. We sincerely appreciate your assistance in this matter.

Copies To: EverPower
File

Private Well Survey Questionnaire

Please fill out the following questionnaire to the best of your knowledge. If you are not sure of the answer to a question, please comment as "unknown". After completion, please return this questionnaire in the enclosed stamped envelope.

Name: <*Name*>_____

Address: <*Address Line 1*>_____

<*Address Line 2*>_____

Parcel ID: <*Parcel ID*>_____

Property Location Description: <*Property Location Information*>_____

Do you have water well(s) on your property? If so, how many? _____

Approximate depth of well(s)? _____

Diameter of well(s)? _____

Are you connected/provided with Municipal Water (i.e., water provided by town or private water supply company)? _____

What is water from the well(s) used for? _____

Type of well/groundwater source (i.e., bedrock well or overburden/sand-gravel well? _____

Type of well construction (i.e., steel casing, pvc, brick/clay, or other)? _____

Date of installation of the well(s)? _____

Depth to water/groundwater within well (or depth to water encountered during drill of well)? _____

Approximate yield (gallons per minute [gpm]) of well(s)? _____

Have you ever had to drill a new well due to lowering of water table or poor well yield (if yes, indicate reason)? _____

_____

Has the water been sampled and tested? If so, please indicate the date of the last testing. _____

What was the water tested for? _____

How would you describe your water? Cloudy (yes / no) Hard (yes / no) Soft (yes / no) Color _____

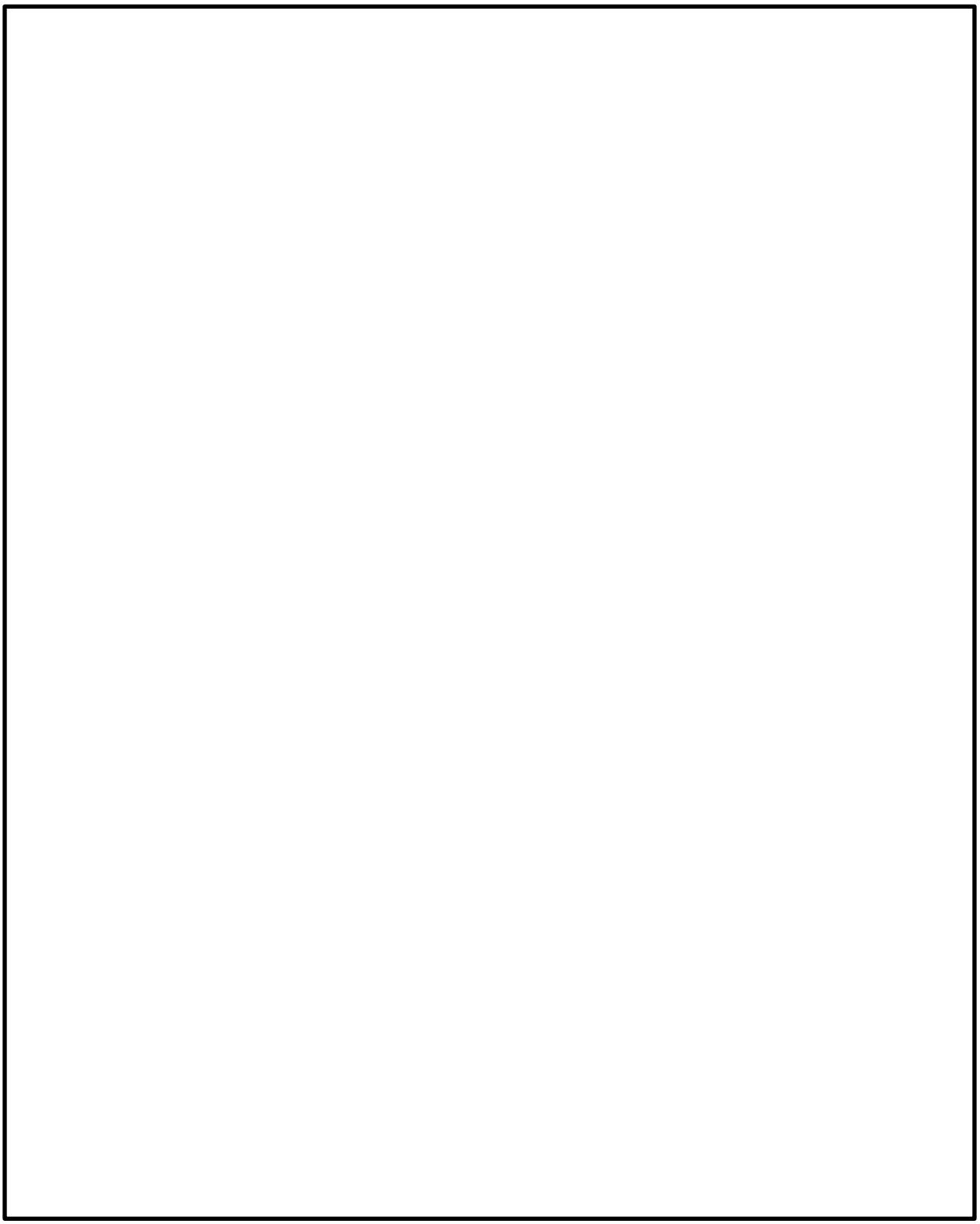
Does the water source experience seasonal fluctuation in elevation? Summer vs. winter months? During dry or drought-like conditions? _____

_____

Please describe location of well in relation to house and/or building on the property. _____

<*Parcel ID*>

In the space below, please draw a sketch of the location of any wells on the property in relation to any structures (houses, barns, etc.), public roads, and/or other distinguishing features with approximate distances noted wherever possible.



Well	Depth (ft)	Diameter (in)	Uses	Well Type	Depth to Water (ft)	Yield (GPM)	Parcel
1	Unknown	Unknown	Everything	Unknown	Unknown	Unknown	096.00-01-044.200
2	130	6	Residence	Bedrock	20	20+	082.00-01-012.000
3	150	6	Residence	Bedrock	25	20+	082.00-01-013.100
4	30	3 ft	Irrigation	Overburden	8	Unknown	082.00-01-013.100
5	Unknown	NA	Irrigation	Spring From Ground Water	NA	Unknown	083.00.01-018.000
6	75-100	6	Residence	Bedrock	Unknown	4	055.00-01-027.000
7	60	6	Residence	Unknown	60	Unknown	068.00-01-027.200
8	70	6	Residence/ Agriculture	Quicksand then Bedrock	Unknown	Unknown	111.00-02-011.000
9	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	098.00-01-043.130
10	160	Unknown	Residence	Bedrock	140	Unknown	054.00-01-017.220
11	49	8	Everything	Bedrock	12	6	055.00-01-014.110
12	260	6	Residence	Bedrock	240	Unknown	055.00-01-028.110
13	260	6	Residence	Bedrock	241	Unknown	055.00-01-028.110
14	176	6	Everything	Unknown	120	20	097.00-01-011.120
15	100	6	Residence/ Barn	Bedrock	60	15	111.00-02-003.120
16	220	6	Residence	Bedrock	Unknown	3	098.00-01-043.200
17	140	6	Residence	NA	Unknown	10	111.00-01-007.000
18	140	6	Barn/Livestock	NA	Unknown	2	111.00-01-007.001
19	240	6	Livestock	NA	Unknown	3	111.00-01-007.002
20	3	5'x5' Spring box	Everything	Unknown	Unknown	Unknown	042.00-01-022.100
21	160	8	Residence	Bedrock	85	16+	081.00-01-012.120
22	32	6	Residence	Sand-gravel	20	3	068.00-01-018.200
23	40	6	Residence	Sand-gravel	Unknown	3 to 5	068.00-01-032.120
24	78	6	Residence	Bedrock	24	8	097.00-01-022.112
25	90	6	Residence	Shale Rock	45	500 gal/hr	082.00-03-024.000
26	68	2 ft	Residence/ Barn	Bedrock	Unknown	100	082.00-03-009.000
27	135	6	Residence	Bedrock	20	20	069.00-01-012.000
28	90	6	Residence	Bedrock	90	Unknown	082.00-03-011.000
29	NA	NA	Residence	NA	NA	NA	096.00-01-055.200

Well	Depth (ft)	Diameter (in)	Uses	Well Type	Depth to Water (ft)	Yield (GPM)	Parcel
30	75	8	Residence	Bedrock	Unknown	Unknown	070.00-01-020.200
31	1000	26	Residence	Bedrock	Unknown	6	110.00-01-009.100
32	150	6	Residence/ Geothermal heating	Bedrock	140	20	055.00-01-001.120
33	10	3ft	Everything	Spring	10	Unknown	083.00-01-002.000
34	70	Unknown	Residence	Unknown	Unknown	Unknown	110.00-01-001.000
35	102	Unknown	Residence	Bedrock	35	Unknown	109.00-01-065.000
36	75	8	Residence	Bedrock	30	18 to 20	111.00-01-022.000
37	Unknown	Unknown	Everything	Unknown	Unknown	Unknown	055.00-01-036.100
38	Unknown	Unknown	Not In Use	Unknown	Unknown	Unknown	055.00-01-034.000
39	23	5 ft	Residence	Bedrock	3	Unknown	097.00-03-001.114
40	130	6	Residence	Bedrock	50	Unknown	097.00-03-001.111
41	NA	NA	Residence	NA	NA	NA	097.00-03-001.111
42	140	8	Residence	Bedrock	Unknown	Unknown	041.00-02-008.200
43	140	8	Residence	Bedrock	Unknown	Unknown	041.00-02-008.200
44	107	8	Residence	Bedrock	Unknown	15	095.00-01-018.200
45	Unknown	6	Residence	Bedrock	Unknown	Unknown	082.00-01-001.000
46	100	8 ft	Residence	Sand-gravel	100	Unknown	041.00-02-031.000
47	90	Unknown	Everything	Unknown	Unknown	Unknown	083.00-01-024.114
48	170	12	Residence	Bedrock	165	5	083.00-01-008.220
49	115	6	Residence	Bedrock	17	15	095.00-01-033.110
50	45	Unknown	Residence	Shale Rock	Unknown	Unknown	082.00-03-030.000
51	196	12	Residence/ Farm	Bedrock	4	15	055.00-01-010.400
52	15	3 ft	Residence	Sand-gravel	12.00	1.00	068.00-01-016.000
53	122	8	Everything	Unknown	55	4.5	109.00-01-066.111
54	48	8	Everything	Bedrock	48	Unknown	096.00-01-016.000
55	150	8	Residence/ Barn	Shale Rock	100	Unknown	111.00-01-006.100
56	125	6	Residence	Bedrock	50	10	069.00-01-011.200
57	Unknown	18	Not In Use	Unknown	Unknown	Unknown	110.00-01-033.000
58	25	8	Residence	Sand-gravel	5	Unlimited	082.00-03-006.000
59	25	8	Shop	Sand-gravel	5	Unlimited	082.00-03-006.000

Well	Depth (ft)	Diameter (in)	Uses	Well Type	Depth to Water (ft)	Yield (GPM)	Parcel
60	150	8	Residence	Sand-gravel	100	20	082.00-03-022.001
61	65	12	Irrigation	Sand-gravel	6	800	082.00-03-022.001
62	65	12	Irrigation	Sand-gravel	6	1000	054.00-01-030.000
63	120	6	Private Water Needs	Bedrock	30	20	083.00-01-024.113
64	50	6	Private Water Needs	Bedrock	9	Unknown	083.00-01-024.113
65	150	8	Residence	Bedrock	100	6	095.00-01-019.113
66	150	8	Residence/ Barn	Bedrock	80	12	096.00-01-042.000
67	85	Unknown	Residence	Unknown	65	5	082.00-01-016.000
68	40	6	Residence	Unknown	30	Unknown	054.00-01-017.300
69	60	6	Residence	Unknown	15	Unknown	081.00-01-002.100
70	14	3 ft	Backup Residence	Unknown	10	Unknown	081.00-01-002.100
71	12 to 15	2	Livestock (currently not in use)	Unknown	Unknown	Unknown	081.00-01-002.100
72	Unknown	3 ft	Not In Use	Unknown	Unknown	Unknown	081.00-01-002.100
73	Unknown	Unknown	Residence	Developed Spring	NA	Unknown	097.00-01-024.000
74	140	8	Residence	Unknown	100	10	083.00-01-015.118
75	230 to 250	6	Residence	Bedrock	180	15	014.00-02-015.000
76	80	6	Residence	Bedrock	Unknown	Unknown	042.00-01-039.000
77	120	10	Residence	Bedrock	100	Unknown	096.00-01-008.112
78	Unknown	Unknown	Residence	Bedrock	100	Unknown	096.00-01-008.112
79	65 to 70	Unknown	Residence	Unknown	6	Unknown	110.00-01-028.200
80	80	8	Residence	Unknown	75	Unknown	096.02-01-002.100
81	70	8	Residence	Clay	Unknown	Unknown	082.00-01-011.000
82	120	10	Residence	Unknown	Unknown	Unknown	082.00-03-015.100
83	Unknown	10	Not In Use	Unknown	Unknown	Unknown	082.00-03-015.100
84	183	8	Residence	Bedrock	50	38	111.00-01-019.220
85	Unknown	Unknown	Residence	Unknown	Unknown	Unknown	109.00-01-025.000
86	Unknown	Unknown	Residence	Unknown	Unknown	Unknown	109.00-01-025.000
87	95	6	Everything	Bedrock	95	Unknown	124.00-01-004.000
88	250 to 300	6 to 8	Residence/ Livestock	Unknown	Unknown	Unknown	123.00-01-015.100
89	30	4 ft	Residence	Overburden	4	2	096.00-01-005.200

Well	Depth (ft)	Diameter (in)	Uses	Well Type	Depth to Water (ft)	Yield (GPM)	Parcel
90	220	8	Residence	Sand-gravel	Unknown	6	069.00-01-005.000
91	80	7	Residence	Unknown	Unknown	Unknown	111.00-01-019.210
92	150	4	Residence	Unknown	Unknown	Unknown	081.00-01-015.220
93	Unknown	Unknown	Residence	Unknown	Unknown	Unknown	055.00-01-014.210
94	100	8	Residence	Bedrock	30	11	096.00-01-030.200
95	Unknown	8	Residence	Bedrock	Unknown	Unknown	082.00-03-008.110
96	140	6	Residence/ Livestock	Bedrock	95	10	055.00-01-019.200
97	87	Unknown	Residence	Unknown	Unknown	Unknown	055.00-01-024.000
98	185	Unknown	Residence	Bedrock	150	15	111.00-01-019.110
99	70	8	Residence	Bedrock	Unknown	6	096.00-01-021.112
100	70	8	Garden	Bedrock	Unknown	9	096.00-01-021.112
101	200	8	Residence	Unknown	Unknown	25	097.00-03-009.100
102	100	Unknown	Residence	Bedrock	10	15	124.00-01-003.120
103	280	6	Residence	Bedrock	40	3	069.00-01-017.200
104	90	6 to 8	Everything	Bedrock	15 to 20	Unknown	055.00-01-020.000
105	40	Unknown	Residence	Unknown	37	Unknown	096.00-01-021.120
106	50	6	Residence	Unknown	Unknown	Unknown	082.00-01-005.200
107	125	8	Residence	Bedrock	20	12.5	067.00-01-025.120
108	112	6	Everything	Bedrock	Unknown	Unknown	068.00-01-013.100
109	150	6	Residence	Unknown	Unknown	15 to 30	069.00-01-017.100
110	150	6	Residence	Unknown	Unknown	16 to 30	069.00-01-017.100
111	150	6	Residence	Unknown	Unknown	17 to 30	069.00-01-017.100
112	124	7	Residence	Unknown	120	3	109.00-01-029.000
113	30	3 ft	Residence	Spring Well	Unknown	Unknown	096.00-01-010.100
114	90	Unknown	Residence (currently not in use)	Bedrock	Unknown	Unknown	096.00-01-010.100
115	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	068.00-01-024.100
116	180	8 to 12	Residence/ Livestock	Bedrock	Unknown	Unknown	083.00-01-003.100
117	Unknown	6	Residence	Overburden	60	5	095.00-01-011.100
118	Unknown	6	Residence	Bedrock	138	5	095.00-01-011.100

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Landscape Architecture, Engineering & Environmental Services, D.P.C.

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April 20, 2016

Angus Eaton, Bureau Director
NYSDEC, Division of Water
Bureau of Water Resource Management, Water Well Program
625 Broadway, 4th Floor
Albany, NY 12233-3508

RE: Baron Winds Project
EDR Project No. 13039

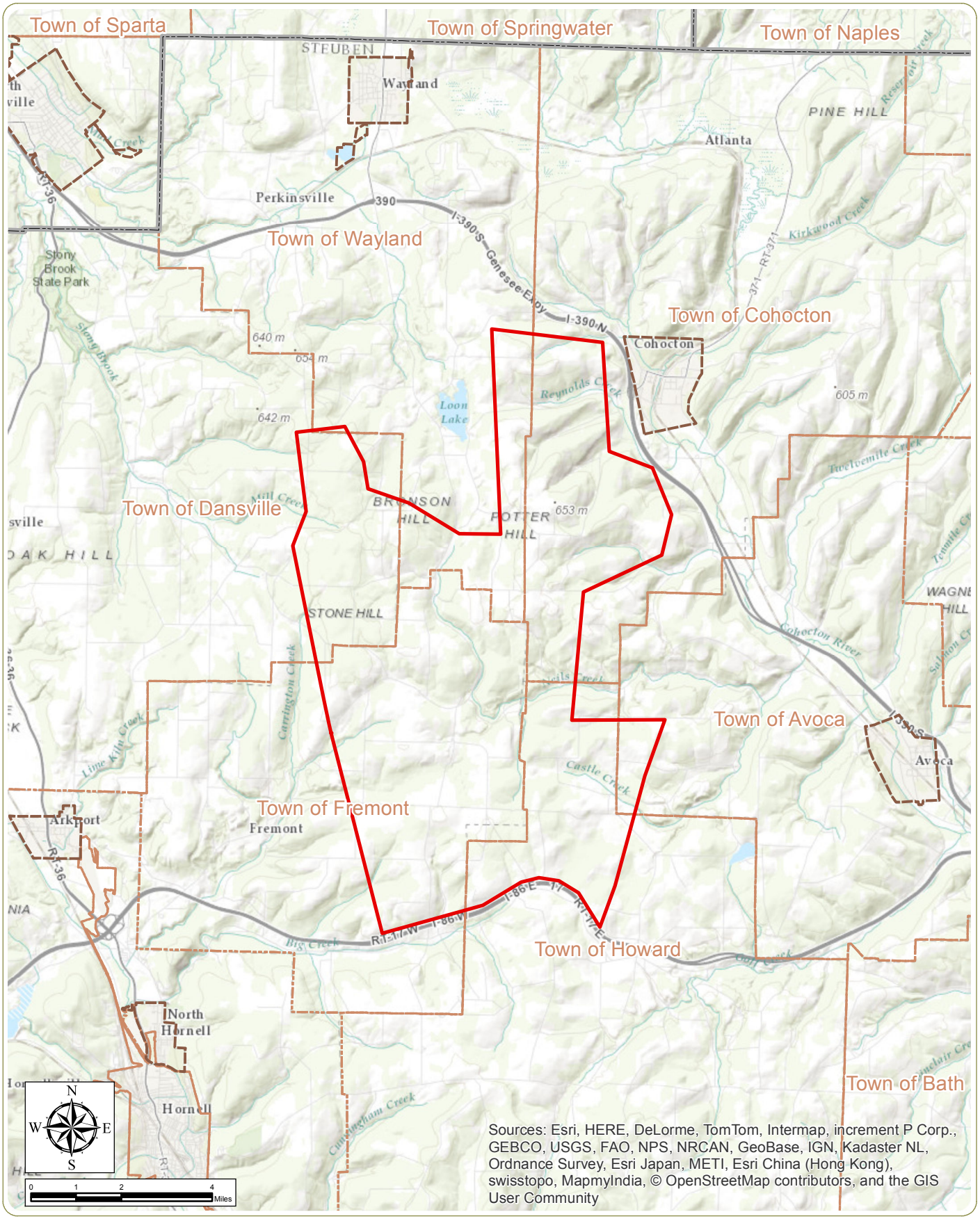
Dear Mr. Eaton:

Environmental Design and Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) is compiling information pertaining to ground water and water supply as part of an environmental review for a proposed wind power project in the Towns of Avoca, Cohocton, Dansville, Freemont, Howard, and Wayland in Steuben County. Consequently, we are respectfully submitting a Freedom of Information Request for any information that you may have pertaining to groundwater wells (including location, construction logs, depths, and descriptions of encountered bedrock within the area), and other groundwater resources. A map of the project area, which is located within the Avoca, Canisteo, Haskinville, and Wayland USGS 7.5-Minute quadrangles, is attached for your reference.

If you have any questions regarding this request or require additional project information, please do not hesitate to contact me at jwojcikiewicz@edrdpc.com. Thank you for your assistance with this matter. I look forward to hearing from you.

Sincerely,

John Wojcikiewicz
Environmental Analyst



Baron Winds Project

Towns of Avoca, Cohocton, Dansville, Fremont, Howard, and Wayland - Steuben County, New York

Project Area

April 2016

Project Area

Notes: 1. Basemap: ESRI ArcGIS Online "World Topographic Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

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From: New York DEC Support <newyorkdec@mycusthelp.net>

Sent: Thursday, May 12, 2016 11:40 AM

To: John Wojcikiewicz

Subject: Freedom of Information Law Request :: W006408-042116

Attachments:
Baron_Winds.zip

--- Please respond above this line ---

Central Office - Albany

P: 518 402-8233 | F:

www.dec.ny.gov

Hi John,

In response to your FOIL request, I have attached an Excel file containing the database extract for the wells within and immediately surrounding your study area. I have also included the Water Well Completion Reports for those wells.

Your FOIL request includes a request for information regarding "other groundwater resources". If you can be more specific in that request, it is possible that we might have other records of interest.

If you have any questions regarding this FOIL response, please contact me directly at beth.guidetti@dec.ny.gov or 518-402-8203.

Sincerely,
Beth Guidetti
Engineering Geologist I
Division of Water
Water Well Program

NYS DEC Well Number	Well Depth (ft)	Well Purpose	Depth to Groundwater (ft)	Yield Test Average Discharge (GPM)
SB3021	178	Domestic		
SB1408	40	Domestic		
SB2684	225	Agricultural	110.00	20.00
SB3279	138	Domestic	130.00	10.00
SB3107	140	Domestic	131.00	10.00
SB1192	205	Domestic	190.00	
SB2405	170	Domestic	105.00	20.00
SB2882	60	Domestic		10.00
SB1812	150	Domestic	35.00	20.00
SB2367	200	Domestic	90.00	10.00
SB2650	50	Domestic	50.00	9.00
SB1117	33	Domestic	11.00	25.00
SB2284	135	Domestic	125.00	10.00
SB1439	230	Domestic	6.00	
SB3326	130	Domestic	45.00	9.00
SB2809	120	Domestic		30.00
SB1706	100	Domestic	47.00	20.00
SB1852	70	Domestic	20.00	20.00
SB2123	90	Domestic	25.00	8.00
SB1265	255	Domestic	245.00	
SB2443	150	Domestic	43.00	10.00
SB2681	155	Domestic	50.00	8.00
SB2718	150	Domestic	90.00	20.00
SB2444	105	Domestic	20.00	5.00
SB2114	140	Domestic	60.00	9.00
SB2785	130	Domestic	20.00	8.00
SB2888	150	Domestic	40.00	7.00
SB3014	70	Domestic	3.00	15.00
SB2582	135	Domestic	40.00	20.00
SB2231	160	Domestic		10.00
SB2325	110	Domestic	25.00	8.00
SB3036	230	Domestic	140.00	15.00
SB1207	255	Domestic	195.00	15.00
SB3035	150	Domestic	100.00	15.00
SB2904	90	Domestic	0.00	14.00
SB2342	120	Domestic		10.00
SB1515	220	Domestic	60.00	6.00
SB1324	490	Domestic		1.00
SB2418	85	Domestic	6.00	15.00
SB2578	95	Domestic	28.00	10.00

NYS DEC Well Number	Well Depth (ft)	Well Purpose	Depth to Groundwater (ft)	Yield Test Average Discharge (GPM)
SB2765	100	Domestic	35.00	20.00
SB2448	110	Domestic	35.00	12.00
SB1658	73	Domestic	25.00	20.00
SB2435	90	Domestic	30.00	5.00
SB1050	109	Domestic	70.00	10.00
SB1166	153	Domestic	147.00	
SB1242	204	Domestic		
SB2529	128.00	Domestic		

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April 28, 2016

Brenda Mori
Steuben County Clerk of the Legislature
3 East Pulteney Square
Bath, NY 14810

RE: Baron Winds Project
EDR Project No. 13039

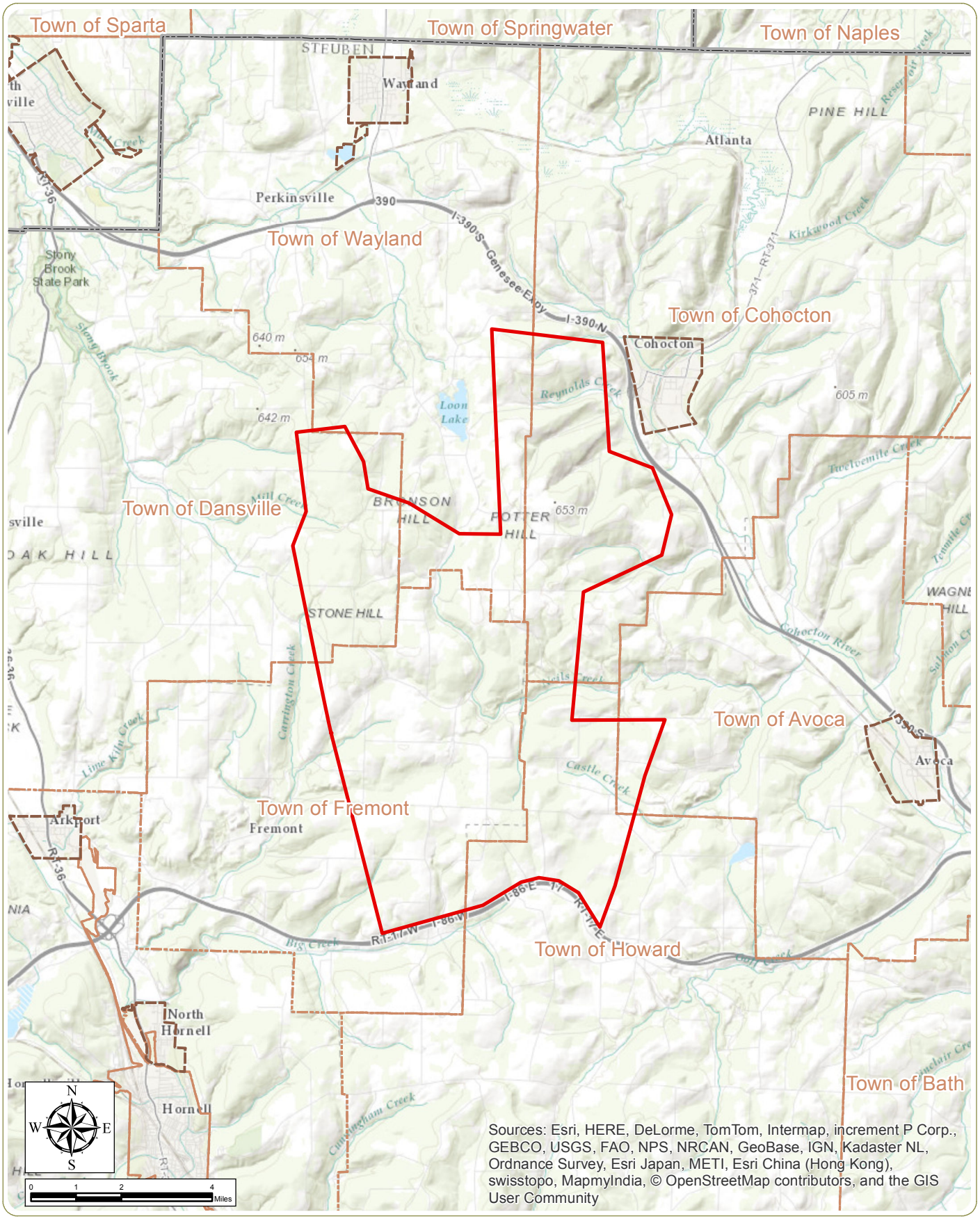
Dear Ms. Mori,

Environmental Design and Research, Landscape Architecture, Engineering & Environmental Services, D.P.C. (EDR) is compiling information pertaining to ground water and water supply as part of an environmental review for a proposed wind power project in the Towns of Avoca, Cohocton, Dansville, Freemont, Howard, and Wayland in Steuben County. Consequently, we are respectfully submitting a Freedom of Information Request for any information that you may have pertaining to groundwater wells (including location, construction logs, depths, and descriptions of encountered bedrock within the area), and other groundwater resources. A map of the project area, which is located within the Avoca, Canisteo, Haskinville, and Wayland USGS 7.5-Minute quadrangles, is attached for your reference.

If you have any questions regarding this request or require additional project information, please do not hesitate to contact me at jwojcikiewicz@edrdpc.com. Thank you for your assistance with this matter. I look forward to hearing from you.

Sincerely,

John Wojcikiewicz
Environmental Analyst



Baron Winds Project

Towns of Avoca, Cohocton, Dansville, Fremont, Howard, and Wayland - Steuben County, New York

Project Area

April 2016

Project Area

Notes: 1. Basemap: ESRI ArcGIS Online "World Topographic Map" Map Service.
2. This is a color graphic. Reproduction in grayscale may misrepresent the data.

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From: Mori, Brenda <Brenda@co.steuben.ny.us>
Sent: Monday, May 9, 2016 10:33 AM
To: John Wojcikiewicz
Subject: RE: FOIL REQUESTS

John,

I checked with our departments and what I'm being told is that the County does not have any records pertaining water wells or public intakes. We believe the water well information is available from NYS DEC as they instituted well driller log submission some years ago. As for the public water intakes, that information would be held by NYS DEC or NYS DOH.

I'm sorry I couldn't be of further assistance.

Thank you,

Brenda K. Mori
Records Access Officer
Clerk of the Legislature
County of Steuben
3 East Pulteney Square
Bath NY 14810
Phone: (607) 664-2243
Fax: (607) 664-2282

From: John Wojcikiewicz [mailto:JWojcikiewicz@edrdpc.com]
Sent: Thursday, April 28, 2016 12:54 PM
To: Mori, Brenda
Subject: FOIL REQUESTS

Hello,

Please see the files attached to this e-mail, which represent two FOIL requests for information pertaining to water well and public water supply locations within the vicinity of a proposed wind power project in Steuben County.

Thank You,

John

John Wojcikiewicz
Environmental Analyst

Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.
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