









GL Garrad Hassan



RENEWABLE ENERGY APPROVAL APPLICATION - DRAFT SITE PLAN

BORNISH WIND ENERGY CENTRE, ONTARIO

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Contact	Adam Camp
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1 PREAMBLE

NextEra Energy Canada, ULC is proposing to develop the Bornish Wind Energy Center which is subject to Ontario Regulation 359/09 (Renewable Energy Approvals (REA) [1] under Part V.0.1 of the Ontario Environmental Protection Act (EPA)) and Regulation 521/10. NextEra Energy Canada was awarded a FIT Contract for this Project in July 2011, and is seeking a Renewable Energy Approval from the Ontario Ministry of the Environment (MOE). The project will be owned and operated by Bornish Wind LP, a wholly owned subsidiary of NextEra Energy Canada, ULC. The parent company of NextEra Energy Canada, ULC is NextEra Energy Resources, LLC, a global leader in wind energy generation with a current operating portfolio of over 9,600 Wind Turbines across North America.

This Draft Site Plan has been prepared in accordance with section 54.1 of O. Reg. 359/09 and the MOE's "Technical Guide to Renewable Energy Approvals" (2011) [3].

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2 GENERAL INFORMATION

2.1 **Project Name and Project Proponent**

The name of the project is Bornish Wind Energy Center (hereafter referred to as "the Project") and Bornish Wind LP is the project proponent.

2.2 **Location of Project**

The proposed Bornish Wind Energy Center is located in south-western Ontario, in the Municipality of North Middlesex, Middlesex County, Ontario. More specifically, the Project is located south of Elginfield Road, east of Pete Sebe Road, north of Elmtree Drive and west of Fort Rose Road. It has a total project area of approximately 5,177 ha.

Project components will be installed on privately-owned agricultural lots within this area, while the Project's collection system may be partially located on public right-of-ways. The Project will be connected to a Hydro-One 500 kV line located approximately 11km east.

The geographic coordinates of the general Project Area are presented in Table 2-1.

Table 2-1: Geographic coordinates of Project Area

Site Location	Easting	Northing
Northwest corner	435927	4777569
Northeast corner	434798	4770596
Southwest corner	449163	4775470
Southeast corner	448036	4768497

2.3 Description of the Energy Source, Nameplate Capacity, and Class of Facility

The wind turbine generators of the Project will convert the wind's energy into electricity to feed into the Hydro One transmission system. This Project is considered to be a Class 4 Wind Facility; forty-eight (48) turbine positions will be processed for permitting under REA. The final project is proposed to consist of up to 45, 1.62 MW turbines with a total nameplate capacity of up to 72.9 MW. The maximum sound power level of the proposed turbine is 105 dBA.

2.4 **Contact Information**

Project Proponent

The Project proponent is Bornish Wind LP. The primary contact for Bornish Wind LP for this Project is:

Adam Camp NextEra Energy Canada, ULC North Service Road, Suite 205 Burlington, ON L7L 6W6 Phone 1-877-257-7330 Fax 905-335-5731 www.canadianwindproposals.com Bornish.Wind@NextEraEnergy.com

Project Consultant

Helimax Energy Inc., a member of the GL Group and part of the GL Garrad Hassan brand, (hereafter referred to as "GL GH") has been retained to lead the REA Process for the Bornish Wind Energy Centre.

The Environmental and Permitting Services team of GL GH has completed mandates throughout Canada, the United States and in many other parts of the world. These mandates include permitting management, permit applications, environmental impact assessment, and various environmental studies for more than 15,000 MW of wind and solar-PV projects.

GL GH's environmental team is composed of over 20 environmental professionals, including environmental impact specialists, planners, GIS, technicians and engineers.

GL GH has no equity stake in any device or project. This rule of operation is central to its philosophy, distinguishing it from many other players and underscoring its independence.

GL GH's contact information is as follows:

Nancy O'Blenes GL Garrad Hassan 19 Carmody Lane Uxbridge, ON L9P 1A5 Tel.: (416) 801-6822

nancy.oblenes@gl-garradhassan.com

Further information about GL GH can be found at: www.gl-garradhassan.com.

2.5 **Draft Site Plan**

This Draft Site Plan was prepared in accordance with section 54.1 of O. Reg. 359/09. The Draft Site Plan depicts the following information at the wind facility and within 300 m of the facility:

- Buildings;
- Structures (wind turbines from other proposed and existing facilities, transmission or distribution lines, substations, etc.)
- Utility corridors;
- Roads:
- Rights-of-way and easements; and
- Noise receptors that may be negatively affected by the operation of the facility
 - The radius of the study zone for points of reception is increased to 1.5 km to fulfill the MOE noise guidelines

The Draft Site Plan for the Bornish Wind Energy Centre is attached as Appendix A.

Tables summarizing the following information have been attached as Appendix A:

- UTM coordinates of the Project's proposed turbines; and
- UTM coordinates of points of reception within 1.5 km of turbine locations.

2.6 **Description of Facility Components**

The Project will be made up of the following main components:

- Wind turbines;
- Access roads;
- Electrical collector system;
- Substation, switchyard and transmission line; and
- Operations and maintenance building.

Wind Turbines

Up to forty-five GE 1.6-100 (1.62 MW) turbines are proposed to be installed for the Project, for a total installed capacity of up to 72.9 MW. The proposed GE 1.6-100 turbine is a 3-bladed, upwind, horizontal-axis turbine. The total rotor diameter of the turbine is 100 m, resulting in a swept area of 7,854 m², and is designed to operate at between 9.75 and 16.18 revolutions per minute (rpm). The turbine rotor and nacelle are mounted on top of an 80 m tubular tower which is manufactured in sections from steel plate. Each turbine is mounted on a steel reinforced concrete foundation and equipped with a transformer, located outside the base of the tower.

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Access Roads

Access roads will be needed to access each wind turbine. Transportation of machinery, turbine components and other equipment will use existing municipal access roads.

The access roads will be compliant with Ontario regulations and will be built to support the weight of the equipment and heavy machinery required to build the Project.

Collector System, Substations, Switchyard and Transmission Line

The power generated at each of the wind turbine generators will be transported through 34.5 kV underground or overhead cables to the Project's substation which will elevate the voltage to 115 kV. Power from the Project's substation will be transported to a proponent-owned switchyard, shared with two other projects owned by affiliates. From this switchyard, power will flow approximately 11.5 km through another 115 kV line to a substation, that will connect to Hydro One's 500 kV transmission network.

The project's substations will be fenced and secured in accordance with standard utility practices and will have an operations and maintenance building. Oil containment systems will also be included to prevent soil contamination in the unlikely event of leaks from the transformers. Each substation comprises the following components:

- Isolation switch;
- Circuit breaker;
- Step-up power transformer;
- Distribution switch gear;
- Instrument transformers:
- Grounding (consistent with Canadian Electrical Code standards (CEC); and
- Revenue metering.

Power is "stepped up" to 115 kV at the first substation, and to 500kV at the second substation, at which point power will be fed into the 500 kV Hydro One transmission network.

Operations and Maintenance Building

It is anticipated that the maintenance building will be located within the fenced area of the Project's onsite substation. In addition to housing the SCADA system, the maintenance building will also be used as a spare parts warehouse. The maintenance building will be approximately 5,000 square feet (50'x100'), or 465 m². Maintenance tools used for generator alignment, tools for bolt torque, and gearbox oil and tools used for oil filter change will also be stored in the maintenance building. Sanitary installations will connect to a septic system.

3 **REFERENCES**

- [1] Ontario Regulation 359/09, made under the Environmental Protection Act, Renewable Energy Approvals under Part 1.0 of the Act.
- [2] Ontario Regulation 521/10, made under the Environmental Protection Act, Renewable Energy Approvals under Part 1.0 of the Act.
- [3] Technical Guide to Renewable Energy Approvals, Ontario Ministry of the Environment, July 2011.

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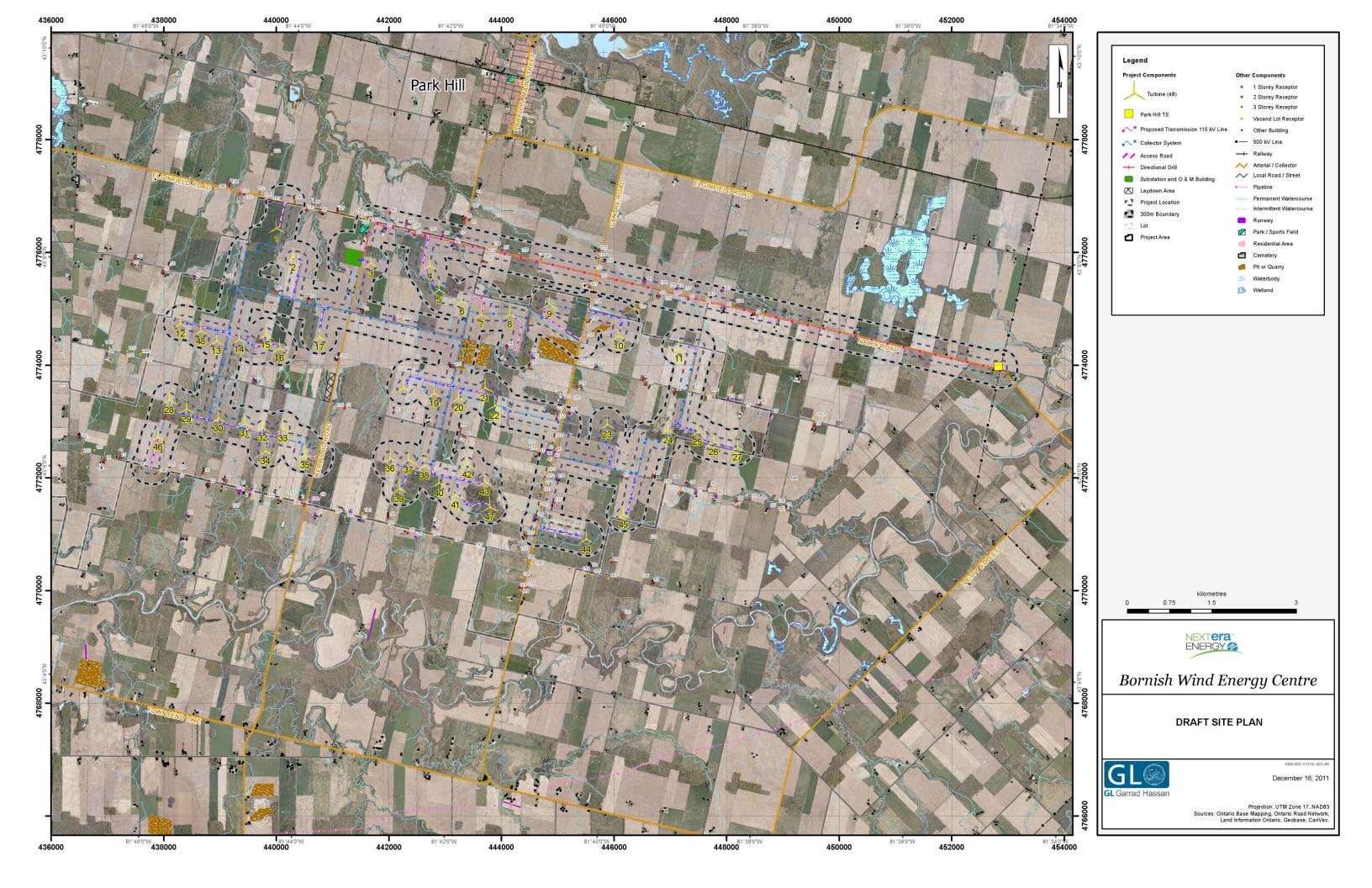




Document No.: 1008-CAMO-R-02 Draft Site Plan – Bornish Wi

APPENDIX A DRAFT SITE PLAN

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APPENDIX B UTM COORDINATES OF TURBINES AND NOISE RECEPTORS

PROJECTION: NAD 83 UTM ZONE 17

Turbine ID Number	X	Y
1	440000	4776435
2	440302	4775915
3	441679	4775810
4	442726	4775763
5	442888	4775342
6	443298	4775136
7	443646	4774902
8	444147	4774906
9	444848	4775090
10	446083	4774524
11	447155	4774304
12	438297	4774740
13	438935	4774435
14	439343	4774461
15	439811	4774541
16	440057	4774307
17	440771	4774498
18	442262	4773605
19	442807	4773502
20	443243	4773422
21	443709	4773598
22	443882	4773285
23	445877	4772947
24	446958	4772850
25	447480	4772818
26	447771	4772644
27	448192	4772544
28	438099	4773385
29	438407	4773226
30	438971	4773061
31	439437	4772972
32	439760	4772893
33	440119	4772886

Turbine ID Number	X	Y
34	439808	4772479
35	440509	4772411
36	442023	4772350
37	442348	4772325
38	442633	4772221
39	442186	4771810
40	442888	4771912
41	443189	4771699
42	443389	4772239
43	443706	4771937
44	445507	4770915
45	446168	4771350
46	437898	4772729
47	443792	4771485
48	438655	4774608
Bornish Substation	441363.1379	4775879.868

ID Number	Description	X	Y
1	RESIDENTIAL	4771514.0000	440492.0000
2	RESIDENTIAL	4771606.0000	440418.0000
3	RESIDENTIAL	4771602.0000	440033.0000
4	RESIDENTIAL	4771712.0000	439966.0000
5	RESIDENTIAL	4771702.0000	439532.0000
6	RESIDENTIAL	4771796.0000	439562.0000
7	RESIDENTIAL	4771758.0000	439422.0000
8	RESIDENTIAL	4771853.0000	439363.0000
9	RESIDENTIAL	4771770.0000	439361.0000
10	RESIDENTIAL	4771775.0000	439307.0000
11	RESIDENTIAL	4771955.0000	439071.0000
12	RESIDENTIAL	4771895.0000	438788.0000
13	RESIDENTIAL	4771330.9053	438401.7180
14	RESIDENTIAL	4772310.0000	436943.0000
15	RESIDENTIAL	4772352.0000	437210.0000
16	RESIDENTIAL	4772183.0000	437540.0000
17	RESIDENTIAL	4771973.0000	438244.0000
18	RESIDENTIAL	4772081.0000	438688.0000
19	RESIDENTIAL	4771654.0000	440754.0000
20	RESIDENTIAL	4771333.0000	440685.0000

ID Number	Description	X	Y
21	RESIDENTIAL	4771420.9303	441164.0443
22	RESIDENTIAL	4771389.0000	441310.0000
23	RESIDENTIAL	4771253.0000	441490.0000
24	RESIDENTIAL	4771297.0000	441977.0000
25	RESIDENTIAL	4771021.0000	442335.0000
26	RESIDENTIAL	4770950.0000	442469.0000
27	RESIDENTIAL	4771133.0000	442804.0000
28	RESIDENTIAL	4770404.0000	445577.0000
29	RESIDENTIAL	4770504.0000	445950.0000
30	RESIDENTIAL	4770136.0000	446671.0000
31	RESIDENTIAL	4771469.0000	449038.0000
32	RESIDENTIAL	4771458.0000	448751.0000
33	RESIDENTIAL	4771614.0000	448414.0000
34	RESIDENTIAL	4771580.0000	448177.0000
35	RESIDENTIAL	4771673.0000	447805.0000
36	RESIDENTIAL	4771839.0000	447683.0000
37	RESIDENTIAL	4771732.0000	447456.0000
38	RESIDENTIAL	4771865.0000	447320.0000
39	RESIDENTIAL	4771732.0000	447191.0000
40	RESIDENTIAL	4772025.0000	446689.0000
41	RESIDENTIAL	4772012.0000	446141.0000
42	CHURCH	4772422.0000	444909.0000
43	CEMETERY	4772491.5424	444800.7124
44	CEMETERY	4772434.2655	444787.0730
45	CEMETERY	4772400.5247	444930.4154
46	CEMETERY	4772455.7345	444942.9394
47	RESIDENTIAL	4772426.0000	444657.0000
48	RESIDENTIAL	4772729.0000	443326.0000
49	RESIDENTIAL	4772892.0000	443253.0000
50	RESIDENTIAL	4773157.0000	442080.0000
51	RESIDENTIAL	4773238.0000	441208.0000
52	RESIDENTIAL	4773577.0000	440110.0000
53	RESIDENTIAL	4773718.0000	439608.0000
54	RESIDENTIAL	4774194.0000	436989.0000
55	RESIDENTIAL	4775794.0000	437435.0000
56	RESIDENTIAL	4775876.0000	437496.0000
57	RESIDENTIAL	4775657.0000	437989.0000
58	RESIDENTIAL	4775744.0000	438086.0000

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63	RESIDENTIAL	4774807.0000	442089.0000
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65	RESIDENTIAL	4774133.0000	444543.0000
66	RESIDENTIAL	4774220.0000	444496.0000
67	RESIDENTIAL	4773978.0000	444493.0000
68	RESIDENTIAL	4773957.0000	445664.0000
69	RESIDENTIAL	4773750.0000	446511.0000
70	RESIDENTIAL	4773650.0000	446563.0000
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72	RESIDENTIAL	4773382.6762	447610.6148
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84	RESIDENTIAL	4775477.0000	446545.0000
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88	RESIDENTIAL	4776574.0000	443429.0000
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92	RESIDENTIAL	4776289.0000	442955.0000
93	RESIDENTIAL	4776303.0000	442456.0000
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95	RESIDENTIAL	4776421.0000	441938.0000
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176 VACANT 4772583.0000 444442.0000 177 VACANT 4772702.0000 444939.0000 178 VACANT 4773361.0000 445238.0000 179 VACANT 477005.6435 444332.5220 180 VACANT 4771680.1084 440411.2429 181 VACANT 4771639.8917 439811.6423 182 VACANT 4771843.0921 439475.0916 184 VACANT 4772183.0327 438037.7358 185 VACANT 4772180.3327 438037.7358 186 VACANT 4772180.3327 438037.7358 186 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771371.4864 441529.1097 191 VACANT 4771371.4864 441529.1097 191 VACANT 4770948.1523 442736.2736 192 VACANT 4770952.2406 443123.2275 194 VACANT 4770552.240	174	VACANT	4772531.0000	444656.0000	
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178 VACANT 4773361.0000 445238.0000 179 VACANT 4770005.6435 444332.5220 180 VACANT 4771503.7784 440411.2429 181 VACANT 4771680.1084 440184.1764 182 VACANT 4771639.8917 439811.6423 183 VACANT 4771843.0921 439475.0916 184 VACANT 4772135.2204 438234.8055 185 VACANT 4772180.3327 438037.7358 186 VACANT 4772180.3327 438037.7358 187 VACANT 4772078.2363 437916.6447 187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771358.2572 441026.4004 189 VACANT 4771371.4864 441529.1097 191 VACANT 4771371.4864 441529.1097 191 VACANT 4770948.1523 442736.2736 193 VACANT 4770948.15	176	VACANT	4772583.0000		
179 VACANT 4770005.6435 444332.5220 180 VACANT 4771503.7784 440411.2429 181 VACANT 4771680.1084 440184.1764 182 VACANT 4771639.8917 439811.6423 183 VACANT 4771843.0921 439475.0916 184 VACANT 4772135.2204 438234.8055 185 VACANT 4772180.3327 438037.7358 186 VACANT 4772078.2363 437916.6447 187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771305.3405 441221.5310 190 VACANT 4771371.4864 441529.1097 191 VACANT 47701371.4864 441529.1097 192 VACANT 4770481.523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.00	177	VACANT	4772702.0000	444939.0000	
180 VACANT 4771503.7784 440411.2429 181 VACANT 4771680.1084 440184.1764 182 VACANT 4771639.8917 439811.6423 183 VACANT 4771843.0921 439475.0916 184 VACANT 4772135.2204 438234.8055 185 VACANT 4772180.3327 438037.7358 186 VACANT 4772078.2363 437916.6447 187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771395.3405 441221.5310 190 VACANT 477137.4864 441529.1097 191 VACANT 477137.4864 441529.1097 191 VACANT 4770948.1523 442736.2736 192 VACANT 4770852.2406 443123.2275 193 VACANT 4770552.2406 443123.2275 194 VACANT 4770551.5843 444576.1922 195 VACANT 4770551.5843	178	VACANT	4773361.0000	445238.0000	
181 VACANT 4771680.1084 440184.1764 182 VACANT 4771639.8917 439811.6423 183 VACANT 4771843.0921 439475.0916 184 VACANT 4772135.2204 438234.8055 185 VACANT 4772180.3327 438037.7358 186 VACANT 4772078.2363 437916.6447 187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771305.3405 441221.5310 190 VACANT 4771371.4864 441529.1097 191 VACANT 4771319.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770591.5843 444576.1922 195 VACANT 4770591.5843 444576.1922 196 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.54	179	VACANT	4770005.6435	444332.5220	
182 VACANT 4771639.8917 439811.6423 183 VACANT 4771843.0921 439475.0916 184 VACANT 4772135.2204 438234.8055 185 VACANT 4772180.3327 438037.7358 186 VACANT 4772078.2363 437916.6447 187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771305.3405 441221.5310 190 VACANT 4771371.4864 441529.1097 191 VACANT 4771139.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770759.5536 443507.9349 198 VACANT 4779615.52	180	VACANT	4771503.7784	440411.2429	
183 VACANT 4771843.0921 439475.0916 184 VACANT 4772135.2204 438234.8055 185 VACANT 4772180.3327 438037.7358 186 VACANT 4772078.2363 437916.6447 187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771305.3405 441221.5310 190 VACANT 4771371.4864 441529.1097 191 VACANT 477139.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770279.5536 443507.9349 198 VACANT 477961.5203 447010.0367 200 VACANT 4774037.8978	181	VACANT	4771680.1084	440184.1764	
184 VACANT 4772135.2204 438234.8055 185 VACANT 4772180.3327 438037.7358 186 VACANT 4772078.2363 437916.6447 187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771305.3405 441221.5310 190 VACANT 477137.4864 441529.1097 191 VACANT 477139.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4775978.7076	182	VACANT	4771639.8917	439811.6423	
185 VACANT 4772180.3327 438037.7358 186 VACANT 4772078.2363 437916.6447 187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771305.3405 441221.5310 190 VACANT 4771371.4864 441529.1097 191 VACANT 4770948.1523 442736.2736 192 VACANT 4770948.1523 44273.6236 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770597.5366 443507.9349 198 VACANT 4770237.0004 444354.6033 197 VACANT 477059.5536 443507.9349 198 VACANT 477010.5421 446460.7102 199 VACANT 4774037.8978 445387.6447 200 VACANT 4775978.7076<	183	VACANT	4771843.0921	439475.0916	
186 VACANT 4772078.2363 437916.6447 187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771305.3405 441221.5310 190 VACANT 4771371.4864 441529.1097 191 VACANT 4770139.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 477059.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4775978.7076 443728.3554 201 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.430	184	VACANT	4772135.2204	438234.8055	
187 VACANT 4772484.2475 436765.0927 188 VACANT 4771358.2572 441026.4004 189 VACANT 4771305.3405 441221.5310 190 VACANT 4771371.4864 441529.1097 191 VACANT 477139.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770759.5536 443507.9349 197 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774188.497	185	VACANT	4772180.3327	438037.7358	
188 VACANT 4771358.2572 441026.4004 189 VACANT 4771305.3405 441221.5310 190 VACANT 4771371.4864 441529.1097 191 VACANT 4770139.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770210.5421 446460.7102 199 VACANT 4770210.5421 446460.7102 199 VACANT 4774037.8978 445387.6447 200 VACANT 4774037.8978 445387.6447 201 VACANT 47755228.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774188.4977 437584.1279 207 VACANT 4774120.3	186	VACANT	4772078.2363	437916.6447	
189 VACANT 4771305.3405 441221.5310 190 VACANT 4771371.4864 441529.1097 191 VACANT 4771139.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 47755228.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4	187	VACANT	4772484.2475	436765.0927	
190 VACANT 4771371.4864 441529.1097 191 VACANT 4771139.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774188.4977 437584.1279 207 VACANT 4774188.4977 437584.1279 207 VACANT 4774120.3980	188	VACANT	4771358.2572	441026.4004	
191 VACANT 4771139.9756 441932.6001 192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770210.5421 446460.7102 198 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.39	189	VACANT	4771305.3405	441221.5310	
192 VACANT 4770948.1523 442736.2736 193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872	190	VACANT	4771371.4864	441529.1097	
193 VACANT 4770852.2406 443123.2275 194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774247.4302 437347.0885 205 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774786.8872 442231.9963	191	VACANT	4771139.9756	441932.6001	
194 VACANT 4770541.2719 444427.3638 195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774786.8872 442231.9963	192	VACANT	4770948.1523	442736.2736	
195 VACANT 4770501.5843 444576.1922 196 VACANT 4770237.0004 444354.6033 197 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	193	VACANT	4770852.2406	443123.2275	
196 VACANT 4770237.0004 444354.6033 197 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	194	VACANT	4770541.2719	444427.3638	
197 VACANT 4770759.5536 443507.9349 198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	195	VACANT	4770501.5843	444576.1922	
198 VACANT 4770210.5421 446460.7102 199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	196	VACANT	4770237.0004	444354.6033	
199 VACANT 4771961.5203 447010.0367 200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	197	VACANT	4770759.5536	443507.9349	
200 VACANT 4774037.8978 445387.6447 201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	198	VACANT	4770210.5421	446460.7102	
201 VACANT 4775978.7076 443728.3554 202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	199	VACANT	4771961.5203	447010.0367	
202 VACANT 4775632.2574 438611.0648 203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	200	VACANT	4774037.8978	445387.6447	
203 VACANT 4775528.8980 439057.9969 204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	201	VACANT	4775978.7076	443728.3554	
204 VACANT 4774316.8395 437038.0205 205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	202	VACANT	4775632.2574	438611.0648	
205 VACANT 4774247.4302 437347.0885 206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	203	VACANT	4775528.8980	439057.9969	
206 VACANT 4774188.4977 437584.1279 207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	204	VACANT	4774316.8395	437038.0205	
207 VACANT 4774047.0598 437648.2988 208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	205	VACANT	4774247.4302	437347.0885	
208 VACANT 4774120.3980 437311.7290 209 VACANT 4774786.8872 442231.9963	206	VACANT	4774188.4977	437584.1279	
209 VACANT 4774786.8872 442231.9963	207	VACANT	4774047.0598	437648.2988	
	208	VACANT	4774120.3980	437311.7290	
210 VACANT 4776491.6540 441581.4616	209	VACANT	4774786.8872	442231.9963	
	210	VACANT	4776491.6540	441581.4616	

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ID Number	Description	X	Y
211	VACANT	4773236.6707	441048.4613
212	VACANT	4772430.4973	436544.2624
213	VACANT	4776602.1734	443867.4542
214	VACANT	4775083.5153	448138.0543