

Notes

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Stantec

March, 2013 160950269

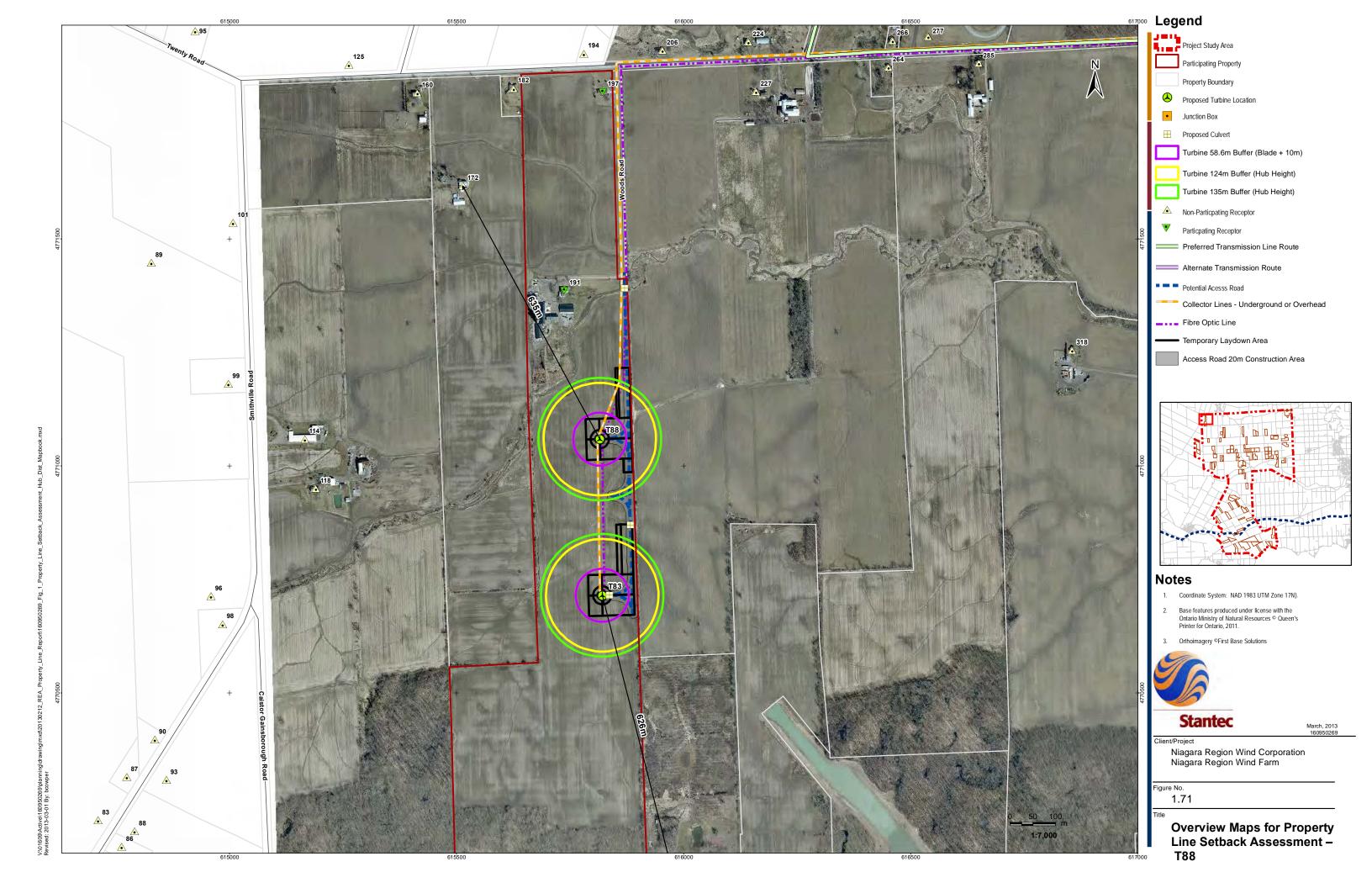
nt/Project

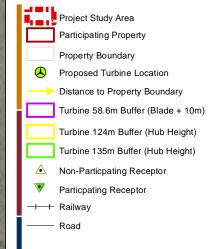
Niagara Region Wind Corporation Niagara Region Wind Farm

Figure No.

1.70a

Title





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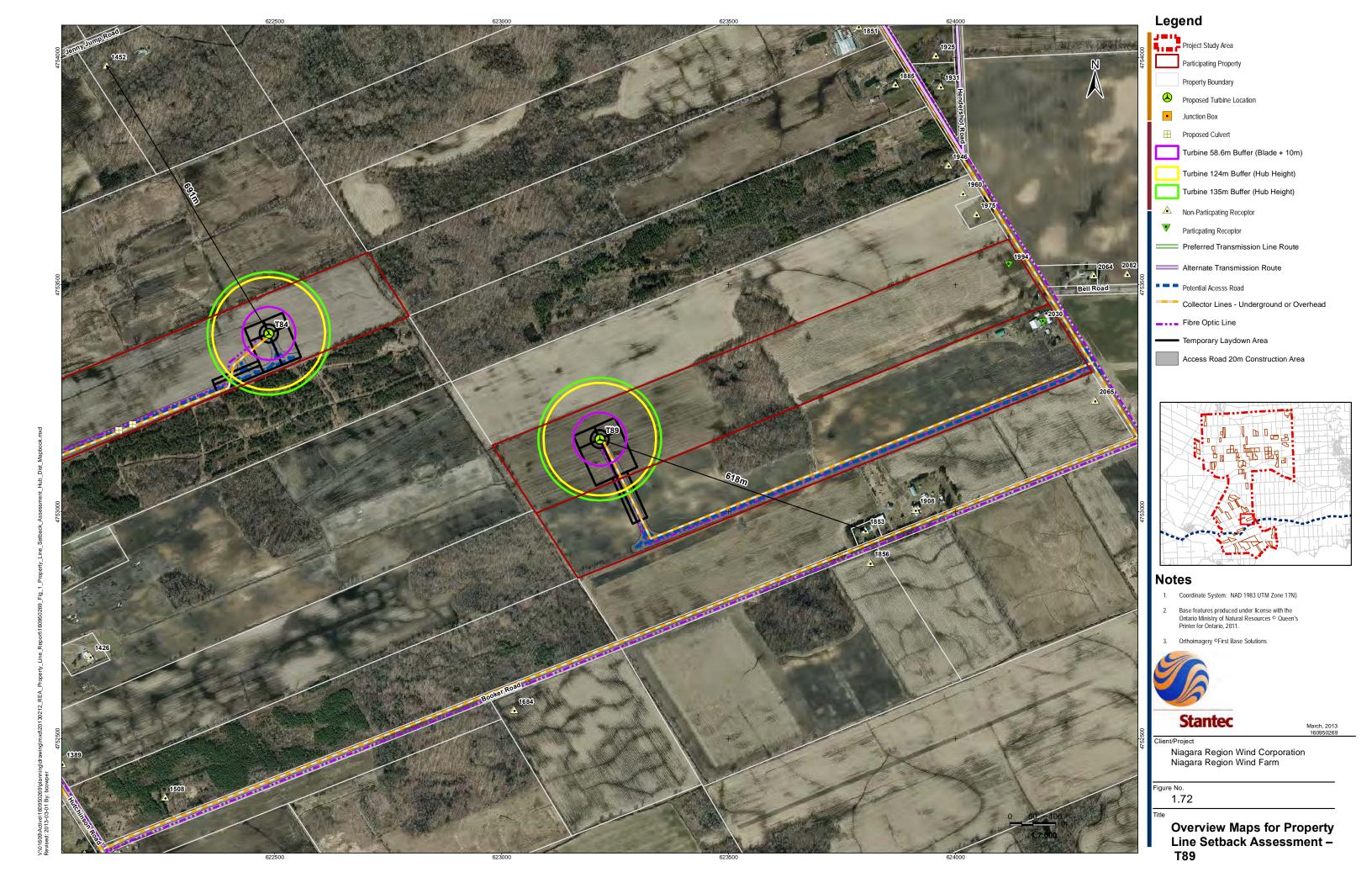
160950269

ent/Project

Niagara Region Wind Corporation Niagara Region Wind Farm

Figure No.

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16095026

nt/Project

Niagara Region Wind Corporation Niagara Region Wind Farm

Figure No.

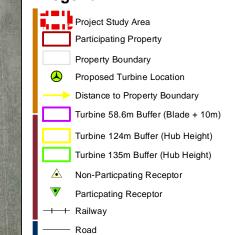
1.72a

Title



(01609/Active/160950269planningldrawinglmxd/20130212_REA_Property_Line_Report/160950269_Fig_1a_Property_Line_Setback_Assessment_Hub_Inset_Mapbo evised: 2013-03-01 By: boowper

T93



Notes

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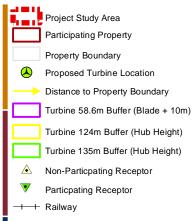
16095026

ent/Project

Niagara Region Wind Corporation Niagara Region Wind Farm

Figure No. 1.74a

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Notes

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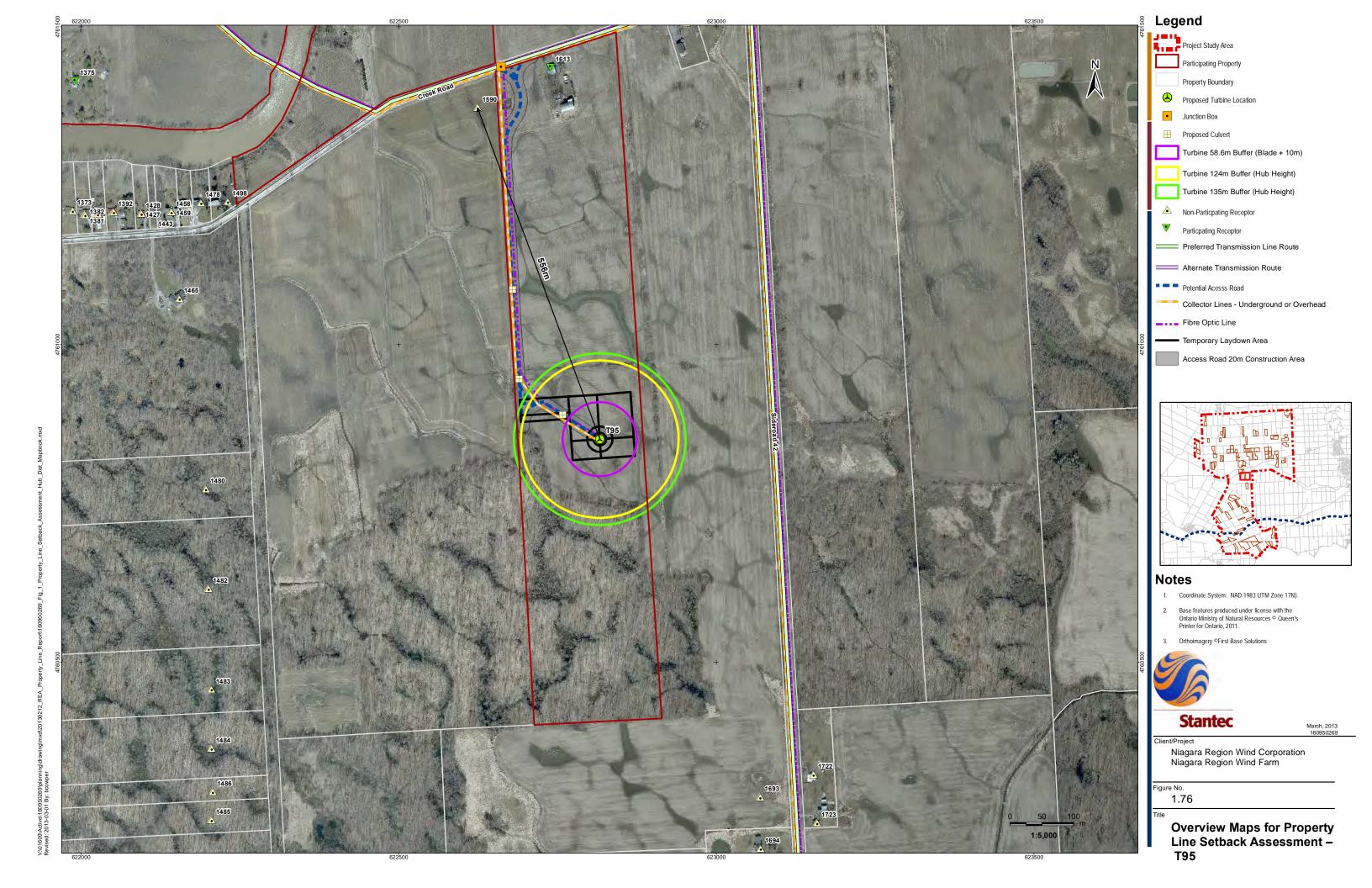


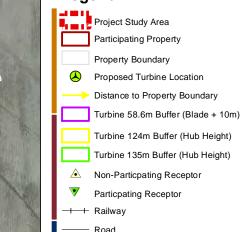
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Niagara Region Wind Corporation Niagara Region Wind Farm

Figure No.

1.75a





Notes

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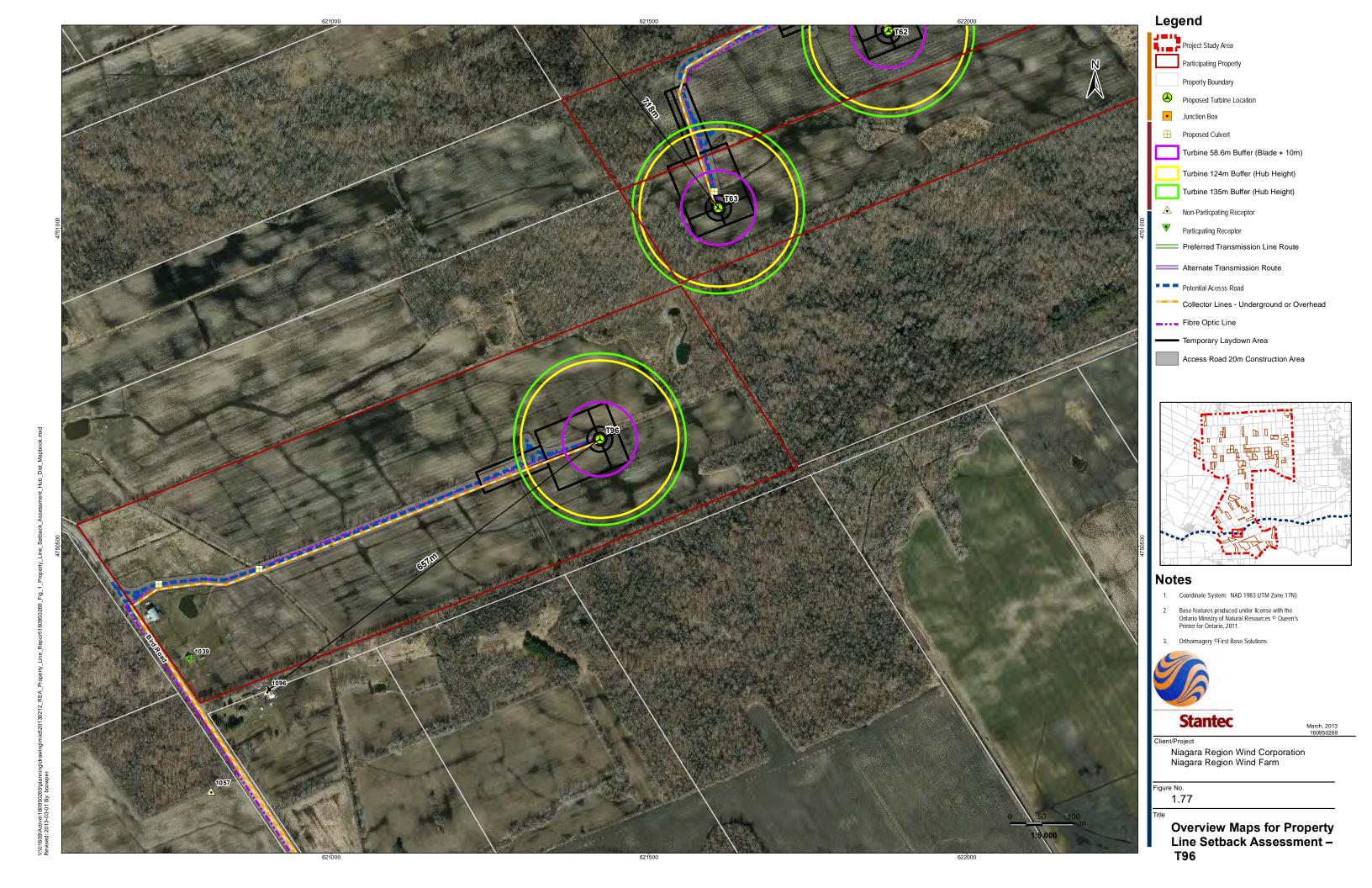


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Niagara Region Wind Corporation Niagara Region Wind Farm

Figure No.

1.76a



116091Adtive11609502691planningldrawinglmxdd20130212_REA_Property_Line_Report\160950269_Fig_1a_Property_Line_Setback_Assessment_Hub_Inset_Mapb Aised: 2013-03-01 Br; bcowper



Project Study Area Participating Property Property Boundary Proposed Turbine Location

Distance to Property Boundary

Turbine 58.6m Buffer (Blade + 10m)

Turbine 124m Buffer (Hub Height) Turbine 135m Buffer (Hub Height)

Non-Participating Receptor

Particpating Receptor

Notes

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Niagara Region Wind Corporation Niagara Region Wind Farm

Figure No. 1.78a





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Niagara Region Wind Corporation Niagara Region Wind Farm

Figure No. 1.79a



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Niagara Region Wind Corporation Niagara Region Wind Farm

Figure No. 1.80a

NIAGARA REGION WIND FARM PROPERTY LINE SETBACK ASSESSMENT REPORT

Appendix B

Table Summarizing Individual Property Line Setback Assessments

NIAGARA REGION WIND FARM

		Attachment B:	Property Line	e Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overla	Potential Adverse Impacts	Preventative Measures
T01- West	64	60	71	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T01- North	61	63	74	Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T01- Northea st	69	55	66	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T02 - North	92	32	43	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.

NIAGARA REGION WIND FARM

PROPERTY LINE SETBACK ASSESSMENT REPORT

_	_		Setback Assess	_		
		Attachment B	: Property Line	Assessment Summary		
Turbine	Distance to	Length of Overlap for	Length of Overlap for	Features Within Overlap	Potential Adverse Impacts	Preventative Measures

		Attachment B:	Property Line	Assessment Summa	ıry		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Ov	erlap	Potential Adverse Impacts	Preventative Measures
T02 - East	124 56*	68	77	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. *TO3 is located within 56 m of the west property boundary which is less than 58.6 m (blade length + 10m). As such, NRWC has entered into an agreement with this landowner to permit the location of the turbine within 56 m in compliance with section 53(20(b) of O.Reg.359/09. See Appendix C. The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to
T03- Northwe st	89	35	46	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse.	return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents. The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction.
T04- West	89	35	46	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T04-	95	29	40	Infrastructure:		Adverse impacts to agricultural land, including crop damage and soil	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing

NIAGARA REGION WIND FARM

		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
East				Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T05	77	47	58	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T06	70	54	65	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T08	66	58	69	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T10	114	9	21	Infrastructure: Land Use and Businesses	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction.

NIAGARA REGION WIND FARM

		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
				Hedgerows: Woodlots: Watercourses: Building/Structure:	vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T11	119	5	16	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T13	66	58	69	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure :	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T14	90	34	45	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T16	85	25	25	Infrastructure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.

NIAGARA REGION WIND FARM

		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
				Building/Structure:	Adverse impacts to infrastructure, including damage to roads, railways, utility lines and pipelines, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbine meets the setback distance from public road right of ways and railway easements (blade length plus 10 metres) as prescribed in O. Reg. 359/09. In the unlikely event of damage to roadways or railways due to turbine collapse, NRWC will compensate the owner for any restoration. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T18- South (Railwa y easeme nt)	65	23	23	Infrastructure:	Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to infrastructure, including damage to roads, railways, utility lines and pipelines, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. The turbine meets the setback distance from public road right of ways and railway easements (blade length plus 10 metres) as prescribed in O. Reg. 359/09. In the unlikely event of damage to roadways or railways due to turbine collapse, NRWC will compensate the owner for any restoration.
T18- Southea st	101	23	34	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T18- South	91	33	44	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T18- South	88	36	47	Infrastructure: Land Use and Businesses Hedgerows:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction.

NIAGARA REGION WIND FARM

		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
				Woodlots: Watercourses: Building/Structure :	vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T19	65	59	70	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation activities to return the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T20	80	44	55	Infrastructure: Land Use and Businesses Hedgerows: Woodlots:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T21	66	58	69	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T22	65	59	70	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses:	Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.

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Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Over		Potential Adverse Impacts	Preventative Measures
				Building/Structure : [
T23- East (railway easeme nt)	62	21	21	Land Use and Businesses Hedgerows: Woodlots:		Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T23- East (farm)	83	47	58	Land Use and Businesses Hedgerows: Woodlots: Watercourses:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction.
T27- East (easem ent)	61	5	16	Land Use and Businesses Hedgerows: Woodlots: Watercourses:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T27- East (farm)	66	58	69	Land Use and Businesses Hedgerows: Woodlots: Watercourses:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T28- East (easem ent)	61	7	7	Land Use and [Businesses		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction.

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		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
				Woodlots: Watercourses: Building/Structure :	vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T28- East (farm)	68	56	67	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T29	81	43	54	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T31 - North	93	31	42	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T31 – Northea st	132	0	3	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.

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-		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
T32	85	39	50	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T33- Northwe st	96	28	39	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T33- North	62	62	73	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure :	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T33- West (Road easeme nt)	62	10	10	Infrastructure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to infrastructure,	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. The turbine meets the setback distance from public road right of ways and railway easements (blade length plus 10 metres) as prescribed in

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		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
					including damage to roads, railways, utility lines and pipelines, may occur in the unlikely event of a turbine collapse.	O. Reg. 359/09. In the unlikely event of damage to roadways or railways due to turbine collapse, NRWC will compensate the owner for any restoration.
T34	65	59	40	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction.
T37- East (easem ent)	62	20	20	Infrastructure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to infrastructure, including damage to roads, railways, utility lines and pipelines, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. The turbine meets the setback distance from public road right of ways and railway easements (blade length plus 10 metres) as prescribed in O. Reg. 359/09. In the unlikely event of damage to roadways or railways due to turbine collapse, NRWC will compensate the owner for any restoration.
T37- East (farm)	82	42	53	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T38	102	22	33	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.

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Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overla	Potential Adverse Impacts	Preventative Measures
T44- West	95	29	40	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T44- South	99	25	36	Infrastructure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T44	133	0	2	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T48	117	7	18	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction.
T52	66	58	69	Infrastructure: Land Use and Businesses Hedgerows: Woodlots:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined

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		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
T54- West	109	15	26	Watercourses: Building/Structure : Infrastructure: Land Use and Businesses Hedgerows: Woodlots:	unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse. Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees	In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents. The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction.
				Watercourses: Building/Structure :	and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T54- North	67	57	68	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T55- Northwe st	80	44	55	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.

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		Attachment B:	Property Line	e Assessment Summa	ary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Ov	/erlap	Potential Adverse Impacts	Preventative Measures
				Building/Structure :			
T55- West	71	53	64	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T59- West	65	59	70	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T59- North	61	62	73	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T60	68	56	67	Infrastructure: Land Use and Businesses Hedgerows: Woodlots:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined

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		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
				Watercourses:	unlikely event of turbine collapse.	in the REA documents.
				Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	
T61	65	59	70	Infrastructure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T62	89	35	46	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T63	115	8	19	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T74	63	61	72	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.

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		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
					event of turbine collapse.	
T76 - North	119	9	16	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T76 - Northea st	128	0	7	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T78	104	20	31	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T79- West	102	22	33	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T79- East	110	14	25	Infrastructure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw.

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-		Attachment B:	Property Line	Assessment Summary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
T81- South	63	61	72	Businesses Hedgerows: Woodlots: Watercourses: Building/Structure: Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses:	event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse. Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents. The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined
T81- East	94	30	41	Building/Structure : Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure :	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	In the turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T81- Southea st	114	10	21	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T82	97	27	38	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to potential	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.

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Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
					watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T83	78	46	57	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T84- South	82	42	53	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T84- North	82	42	53	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T85- East (easem ent)	101	21	21	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T85- East	122	2	13	Infrastructure: ☐ Land Use and ☐	Adverse impacts to agricultural land, including crop damage and soil	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing

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Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
(farm)				Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T88	70	54	65	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T89	75	49	60	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure :	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T93	67	56	67	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T94	62	62	73	Infrastructure: Land Use and Businesses Hedgerows: Woodlots:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.

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Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Overlap	Potential Adverse Impacts	Preventative Measures
				Watercourses: ⊠ Building/Structure : □	event of turbine collapse.	In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T95 - East	68	56	67	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T95 – West	129	0	6	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.
T97	99	25	36	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to woodlots, including soil compaction, damage or loss of trees and vegetation, may occur in the unlikely event of a turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.
T98	116	8	19	Infrastructure: Land Use and Businesses Hedgerows: Woodlots:	Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to potential watercourses, including siltation and alteration, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to a watercourse due to turbine collapse, NRWC will coordinate, at their own cost, all restoration activities to return the watercourse and site drainage to its original condition. Other mitigation measures are outlined in the REA documents.

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		Attachment B:	Property Line	Assessment Summa	ary		
Turbine ID	Distance to Property Line (m)	Length of Overlap for 124m hub height (m)	Length of Overlap for 135m hub height (m)	Features Within Ov	verlap	Potential Adverse Impacts	Preventative Measures
				Watercourses:	\boxtimes		
				Building/Structure :			
T99	92	31	42	Infrastructure: Land Use and Businesses Hedgerows: Woodlots: Watercourses: Building/Structure:		Adverse impacts to agricultural land, including crop damage and soil compaction, may occur in the unlikely event of turbine collapse. Adverse impacts to hedgerows, including vegetation damage and disturbance to related wildlife habitat, may occur in the unlikely event of turbine collapse.	The turbines will be constructed and designed by professional engineers, undergo regular maintenance and monitoring by operational staff, and contain shutdown mechanisms in instances such as extreme weather or malfunction. The turbines are also equipped with a de-icing system to prevent ice formation and ice throw. In the unlikely event of damage to agricultural land due to turbine collapse, landowners would be compensated by NRWC for any crop damage. Other mitigation measures are outlined in the REA documents to mitigate soil compaction. In the unlikely event of damage to vegetation due to turbine collapse, NRWC will coordinate, at NRWC cost, all necessary restoration or replanting. NRWC will additionally compensate the landowner for any vegetation loss. Other mitigation measures for vegetation are outlined in the REA documents.

NIAGARA REGION WIND FARM PROPERTY LINE SETBACK ASSESSMENT REPORT

Appendix C

Copy of Landowner Agreement for Adjacent Turbine

ABUTTING LAND OWNER'S ACKOWLEDGEMENT AND CONSENT AGREEMENT

This Abutting Land Owner's Acknowledgement and Consent Agreement made as of the 1st day of March, 2013 by and between (the "Abutting Land Owner") and NIAGARA REGION WIND CORPORATION ("NRWC").

Whereas NRWC has been awarded a feed-in tariff contract from the Ontario Power Authority for the development, construction and operation of a 230 megawatt renewable energy generation facility in the Niagara Region at which wind is used to generate electricity through the use of wind turbines (the "Wind Facility");

And Whereas the Abutting Land	Owner owns property described in
	ner's Property") and which is shown in green on Schedule
"A" attached hereto;	
And Whereas the Abutting Land (Owner's Property is adjacent to and abuts property on the east
	(the "Participating Land Owner"), which
property is described in	
	(the "Participating Land Owner's
Property") and which is outlined i intends to construct one wind turbin	n red on Schedule "A" attached hereto, and on which NRWC ne as part of the Wind Facility;

And Whereas the Abutting Land Owner is the son of the Participating Land Owner and there is no fencing along the boundary and lot line of the Abutting Land Owner's Property and the Participating Land Owner's Property, which are farmed as if one farm;

And whereas the wind turbine to be constructed on the Participating Land Owner's Property is marked as turbine T03 on Schedule "A" (the "Turbine"), which location is approximately 56 metres from the boundary lot line between the Abutting Land Owner's Property and the Participating Land Owner's Property, being a closer setback than required by the Renewable Energy Approval (REA) Regulation (O. Reg. 359/09);

And whereas the Abutting Land Owner has agreed with NRWC to provide his written consent to the location of the Turbine as set out on Schedule "A".

Now therefore, in consideration of the sum of \$1.00 and other good and valuable consideration, now paid by NRWC to the Abutting Land Owner, the receipt and sufficiency of which are hereby acknowledged, the Abutting Land Owner acknowledges and agrees as follows:

- 1. The Abutting Land Owner acknowledges the location of the Turbine on the Participating Land Owner's Property as set out on Schedule "A" attached hereto.
- 2. The Abutting Land Owner further acknowledges that the setback of the Turbine on the Participating Land Owner's Property is approximately 56 metres from the boundary lot line between the Abutting Land Owner's Property and the Participating Land Owner's Property,

being a closer setback than required by the Renewable Energy Approval (REA) Regulation (O. Reg. 359/09).

3. The Abutting Land Owner hereby consents to the location of the Turbine and consents to the closer setback.

IN WITNESS WHEREOF, this Abutting Land Owner's Acknowledgement and Consent Agreement is executed by the Abutting Land Owner.







Legend		Beamer Property Boundary	Distance to Property Boundary
	1000	Participating Property	 Potential Acesss Road
	A COLUMN	Property Boundary	 Collector Lines - Underground or Over
		Proposed Turbine Location	 Fibre Optic Line
	•	Participating Receptor	 Road
	Δ	Non-Participating Receptor	Access Road 20m Construction Area

Notes

Coordinate System: NAD 1983 UTM Zone 17N.
Base features produced under license with the Ontario
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Niagara Region Wind Corporation Niagara Region Wind Farm

igure No.	
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Beamer Land Agreement