



EDP Renewables Canada Ltd.  
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[www.edpr.com](http://www.edpr.com)

August 29, 2017

Dear Stakeholder,

Thank you for your ongoing interest in the Sharp Hills Wind Farm and to those of you who could attend our second community open house on August 17, 2017 in Sedalia. As a result of stakeholder feedback and further technical evaluations, EDP Renewables Canada Ltd. (EDPR Canada) has made some modifications to the Project.

#### **Updates since the August 17, 2017 Open House**

In our summer 2017 project specific information package, we indicated that we were considering two proposed turbine models: Option A (Vestas V136 3.6 MW) and Option B (Senvion 3.7M144) on 102 potential turbine locations. We will file only one turbine model with the AUC application. Based on your feedback and further technical analysis, we have identified the chosen turbine, turbine locations and 10 alternate locations, and modified the project boundary.

We have chosen to use 83, Vestas V136 3.6 MW turbines at 93 potential turbine locations. The 93 turbine locations are a subset of the previous 102 turbine locations. The ten additional locations are considered alternates at this time. Each turbine has a capacity of 3.6 MW and the total project capacity will be up to 298.8 MW. We will move forward with our Buildable Areas Phase 2 Application including the 10 alternate locations and determine which of the 93 locations will be included in the final 83 turbines, during the application process.

We have updated the Project maps as well as the noise contours, and the shadow flicker based on 93 potential turbine locations. The locations are the same as before, with the exception that some turbine locations have now been removed. The maps also show the revisions which include: the 93 potential turbine locations, collector system, and access roads. The location of the substation, permanent meteorological towers and laydown areas have not changed. We have also included updates to the shadow flicker and noise impact assessment in this package.

The changes are summarized in the table below:

*Table 1: Comparison of the Summer 2017 and August 2017 Project Changes*

	<b>Summer 2017 Project Specific Information Package</b>	<b>August 2017 Newsletter Update</b>
Number of Turbines	Up to 83	83
Potential Turbine Locations	102	93
Turbine Type	Option A (Vestas V136 3.6 MW) Option B (Senvion 3.7M144)	Vestas V136 3.6 MW
Hub Height	Option A (132 metres) Option B (128 metres)	132 metres
Rotor Diameter	Option A (136 metres) Option B (144 metres)	136 metres
Project Capacity	Option A (298.6 MW) Option B (299.7 MW)	298.8 MW
Project lands	36,415 acres	34,840 acres

Updated visual simulations reflecting these changes are also available on our website at: **[www.sharphillswindfarm.com](http://www.sharphillswindfarm.com)**.

We believe these changes reflect a reduced overall project impact. We will be filing our Buildable Areas Phase 2 Application in the coming weeks. We will continue to engage with the community, landowners, and local government, and we look forward to receiving your feedback about these changes and the Project.

## Contact Us

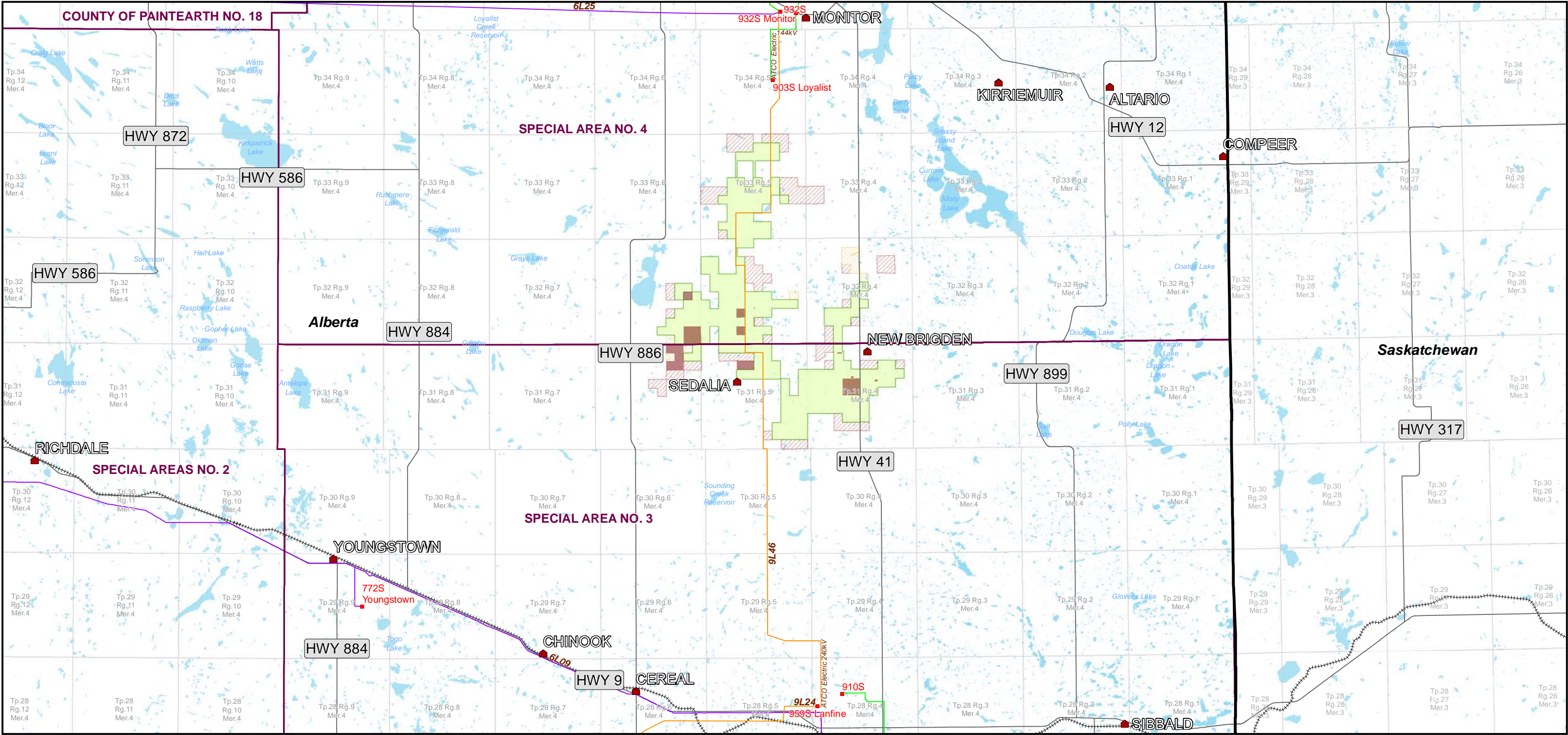
For additional information on our project, please visit our website at [www.sharphillswindfarm.com](http://www.sharphillswindfarm.com). If you have questions or comments, please contact us directly at **1-844-624-0330** or **canada.ab@edpr.com**.

Kind regards,



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Project Manager, EDP Renewables Canada Ltd.  
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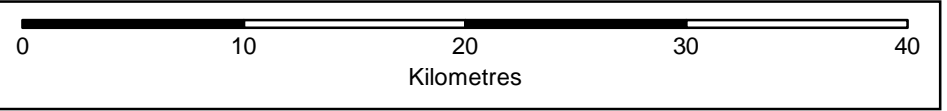
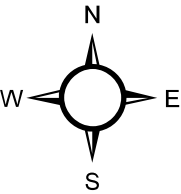
**Legend**

- |                             |                        |                 |
|-----------------------------|------------------------|-----------------|
| Substation                  | 69kV                   | County Boundary |
| Town                        | 100-161kV              | Township        |
| AB - SK Border              | 240kV (Single Circuit) | Waterbody       |
| Proposed Project Boundary   | Numbered Highways      | Wetlands        |
| Phase 1 Former Project Area | Main Roads             |                 |
| Phase 2 Former Project Area | Railroad               |                 |
| Non-Project Lands           |                        |                 |

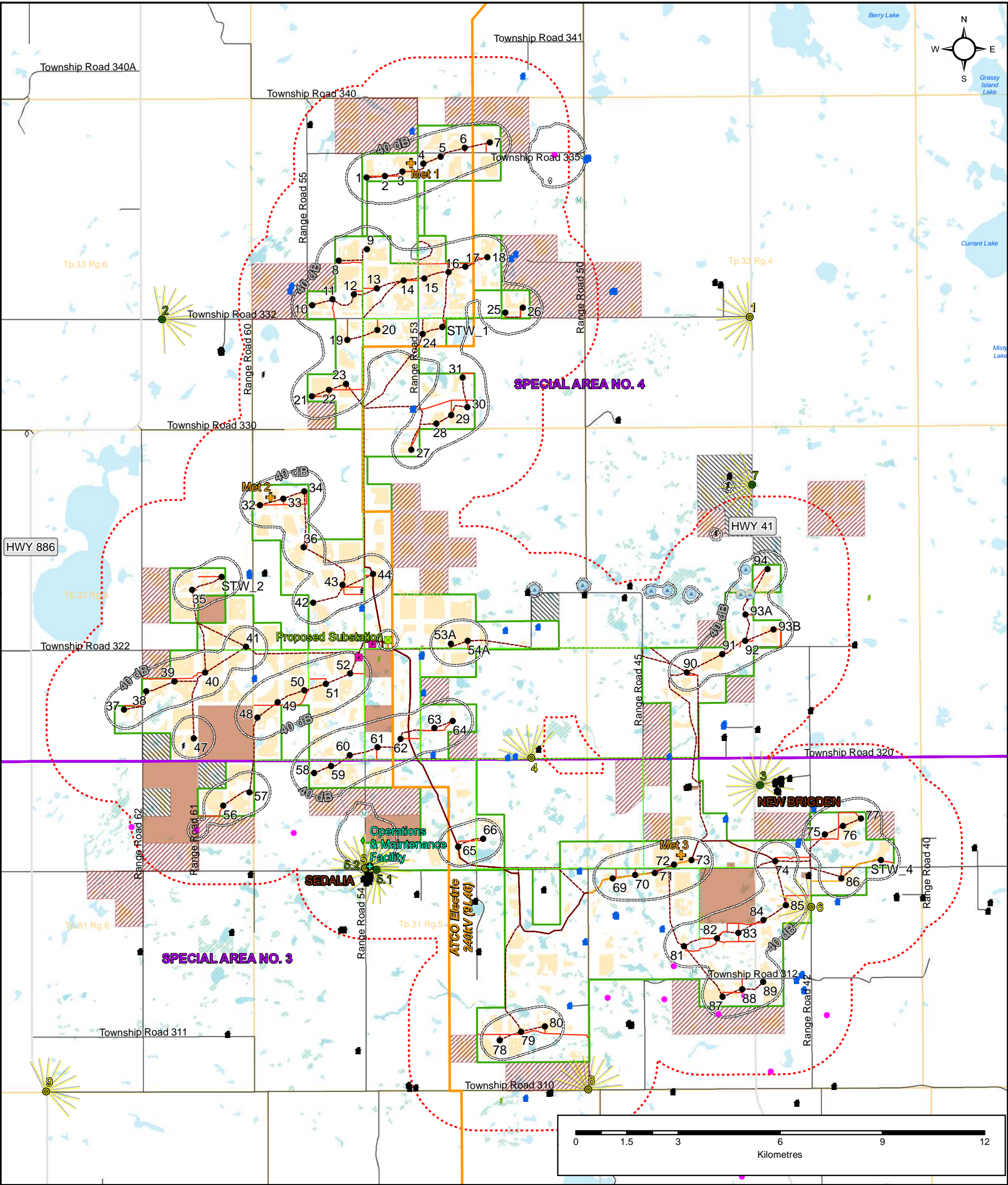
Author: Darren Carl  
Date / Time: 28 August 2017 / 06:25 PM  
Version: REV.13  
Datum: North American 1983  
Projection: NAD 1983 UTM Zone 12N  
Scale: 1:341,491  
Sources: EDPR, ESRI, Ventyx, AltaLIS

# SHARP HILLS WIND FARM

## Regional Map







### Legend

- Turbine Option A Locations (93)
- Proposed Project Boundary
- Visual Representation Points
  - Displayed at Open House #2
  - Available Online
- Land Use
  - Operations & Maintenance Facility
  - Proposed Laydown Yard Location
  - Proposed Substation Location
  - Proposed Meteorological Towers
  - Participating House
  - Non-Participating House

- Visual Simulation Photo Orientation Lines
- Option A: 40 dBA Noise Contours
- Potential Overhead Collector System
- Proposed Underground Collector System
- Oil & Gas Facility Type
  - Compressor Station
  - Crude Oil Multiwell Proration Battery
  - Crude Oil Single-Well Battery
- Field Meter Station
- Gas Plant Acid Gas Flaring
- Gas Plant Sweet
- Gas Single-Well Battery
- Pumping Well

- Phase 1 Former Project Area
- Phase 2 Former Project Area
- Non-Project Land
- Proposed Buildable Area
- Proposed Turbine Access Roads
  - Permanent
  - Temporary
- Transmission Line Voltage
  - Existing 240kV (Single Circuit)
  - 2km Notification Zone
- Special Areas 3 & 4
- Numbered Highways
- Municipal Roads
- Hydrography
- Class 3 - 5 Waterbodies
- Township

**Author:** Solas Energy Consulting Inc.  
**Date / Time:** 28 August 2017 / 05:54 PM  
**Version:** REV.17  
**Datum:** North American 1983  
**Projection:** NAD 1983 UTM Zone 12N  
**Scale:** 1:110,000  
**Sources:** EDPR, ESRI, AER, Ventyx, AltaLIS, RWDI.

### Notes

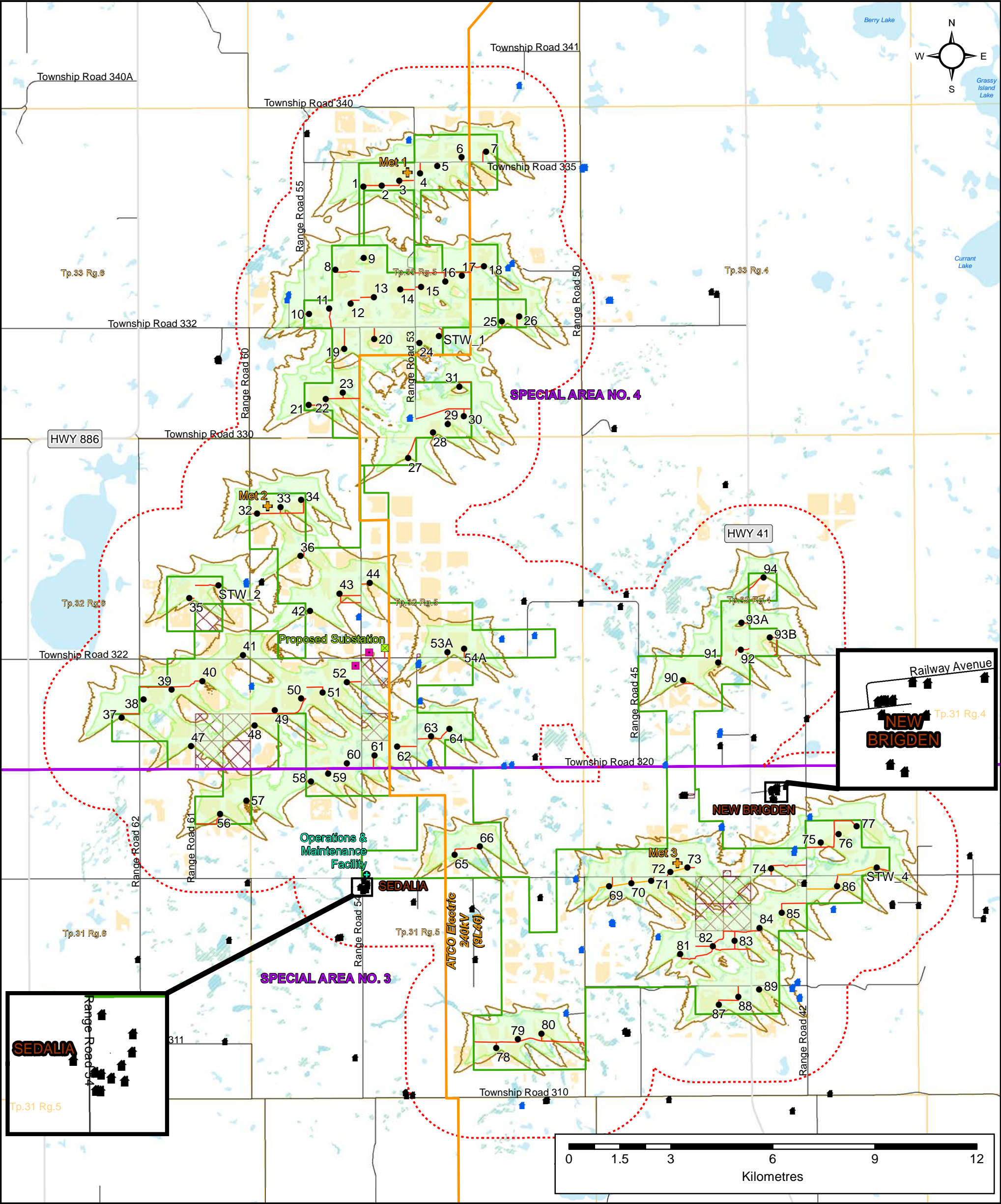
Turbine labels with "STW" refer to those turbines that are "Subject to Waiver" from adjoining non-project landowners. Setback waiver agreements will be required.

The Project boundary is not representative of the entire leased land base.



# SHARP HILLS WIND FARM

Shadow Flicker Map for 298.8MW Wind Farm



- Legend**
- Turbine Option A Locations (93)
  - Proposed Project Boundary
  - Non-Project Land
  - Option A: Shadow Flicker (15 hours per year)
  - Option A: Shadow Flicker (8 hours per year)
  - Land Use**
  - Operations & Maintenance Facility
  - Proposed Laydown Yard Location
  - Proposed Substation Location
  - Participating House
  - Non-Participating House

- Proposed Meteorological Towers
- Proposed Turbine Access Roads**
- Permanent
- Temporary
- Proposed Buildable Area
- Transmission Line Voltage**
- Existing 240kV (Single Circuit)
- 2km Notification Zone
- Special Areas 3 & 4
- Numbered Highways
- Municipal Roads
- Hydrography
- Class 3 - 5 Waterbodies
- Township

Author: Solas Energy Consulting Inc.  
Date / Time: 28 August 2017 / 05:56 PM  
Version: REV.6  
Datum: North American 1983  
Projection: NAD 1983 UTM Zone 12N  
Scale: 1:109,000  
Sources: EDPR, ESRI, AER, Ventyx, AltaLIS, RWDL.

**Notes**

Turbine labels with "STW" refer to those turbines that are "Subject to Waiver" from adjoining non-project landowners. Setback waiver agreements will be required.

The Project boundary is not representative of the entire leased land base.

