

## **License Number 03 029 23N-M**

### Annual Summary for 2023

Our project was started in September 2023, with installation of the SoDAR equipment just outside of Chesterfield inlet. The SODAR wind monitoring equipment will include a SODAR device measuring 0.5m x 0.5m x 3.0m tall, a 5.7m x 6.1m photo-voltaic power supply, and a 3.0m x 3.0m tent enclosure to protect the equipment controls and wildlife. Overall, the SOAR technology is non-invasive, occupies a small footprint, and does not require extensive land displacement or alteration. The installation went well and equipment is in good working order.

We have received just less than three months of data. Our intention is to continue collecting data through to September 2024 (exactly one year), when all the data will be processed and analyzed as a whole. At the end of this one year period the site will be demobilized and equipment moved to a new location.



Figure 1. Setup of solar panel frame and started the installation of the white tent that will house the backup power and the “brains” of the equipment.



Figure 2. The solar panels installed and facing south as the sun sets.



Figure 3. Full setup of the equipment. The SoDAR on the left, the white tent that houses the brains and the backup power supply in the middle, and the solar array that provides the primary source of power on the right.



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