

## Field Services

Capital City Renewables offers an integrated trailer-based solar PV/diesel generator hybrid remote power system for remote sensing applications in the wind industry. We provide installation, maintenance, and relocation services for this remote power system, as well as for your SODAR or LIDAR.

Fleet management, sales, and rental services are available.

## Reliable & Rugged

To ensure reliable data recovery in the most challenging climates, Capital City Renewables has sized the system:

- 2,500W Solar PV Capacity
- 1,020Ah @48V DC Battery Capacity
- 11 kW Kubota Diesel Generator

...resulting in a 30-min/1-min/3-0sec output of 12 kW/16.8 kW/24 kW.



## Optional Add-Ons

### Winterizing Package Level 1:

- Insulating containment for generator, battery, & fuel
- Winterizing diesel fuel and motor oil
- Boosted generator starting battery system

### Winterizing Package Level 2:

- Everything above, PLUS:
- Independent hydronic heating system for generator, fuel tank, & lines

### Intelligent Control & Monitoring System:

- Modular control system (MCS) that monitors, logs, and controls vital parameters:
  - Battery V & Temp.
  - Load Consumption
  - Ambient Conditions
  - PV Array Power
  - Fuel Level & Temp.
  - ...and more

### Remote Communication Package:

- Cellular or satellite communication with the WEB server of the MCS, and other IP equipment
- Optional SODAR or LIDAR data pass-through
- Optional surveillance camera

### Wind Turbine Generator:

- Small WTG with retractable mast for additional backup power in extreme latitudes

## Warranty

2-year warranty on the following components:

- Transporting trailer
- Kubota generator
- Power inverter
- Battery banks
- Solar arrays
- Charge controller

Additional warranties are available on the optional add-ons as well.