The construction of the wind turbine farm has started. The project consists of erecting 46 wind turbines and 2 wind sensor masts located in the municipalities of St-Sévérin and St-Sylvestre, QC, situated between 4 and 11 NM West of St-Frédéric aerodrome, QC (see chart).

The height of each of the masts is 263 feet AGL, and 489 feet AGL for the wind turbines. The maximum overall height above the sea level will vary from 1875 and 2595 feet ASL. Of those 46 wind turbines 36 will be lighted at the end of the construction period.

CAR Standard 621 specifies the required lighting intensity as 2000 cd (candelas). Trials will consist of lowering the lighting intensity so as to reduce the visual impact of the lighting on the surrounding population under certain visibility conditions.

The lighting variations that will be tested are:

(a) for visibility greater than 5 km (approximately 3 SM) but less than or equal to 10 km (approximately 6 SM), lighting intensity will be set to 30% (600 cd);
(b) for visibility greater than 10 km (approximately 6 SM), lighting intensity will be set to 10% (200 cd).

For measured visibility of less than or equal to 5 km, lighting intensity will remain at 100% (2000 cd). Trials are scheduled to continue until January 31st, 2021.

A NOTAM will be issued at the beginning of the trial periods and in the case of any necessary changes.