

Application 0736-EX-ST-2013 for an Experimental License STA
Supplemental Statement

BirdsVision Ltd is applying for this license for two (2) rural locations in Wyoming in order to test an avian detection and deterrence system at two (2) operating wind energy projects. Wind turbine-generated electric power is of great interest today in the United States to reduce greenhouse gas emissions. A strong interest exists within the wind energy industry to minimize the effects of wind turbine operations on birds. PacifiCorp Energy has sponsored a test of the BirdsVisionWindSafeFlight™ avian detection and deterrence system at two of its wind energy projects in Wyoming to further develop these experimental measures.

BirdsVision believes that this system, though not yet broadly implemented in the U.S. market, will be capable of detecting birds near wind turbines and activating countermeasures to keep the birds at a safe distance from the spinning turbine blades. The system will be tested at Glenrock/Rolling Hills and Seven Mile Hill wind energy projects in Wyoming to evaluate the effectiveness of the technology.

The BDR-01 radar covers only a 120 degree azimuth range. Three units will be used at each site in order to achieve 360 degree coverage, for a total of 6 units in this STA. The power given in the application, 398 W erp is the peak power for each of the transmitters

Since these systems were not designed for the U.S. market, the frequency proposed, 3875 MHz, does not have the proper FCC allocation and service rules for long term operation of this system. If the test is successful, BirdsVision intends to

either redesign the system for a more appropriate frequency or ask FCC for a waiver of its rules.

The requested frequency is used by Part 25 satellite earth stations as well as Part 101 fixed service stations. None are in the immediate neighborhood of the 2 transmitter sites. We are ordering a search from Comsearch of all stations that might be impacted and understand the Commission will probably condition the requested Part 5 STA on coordination with cochannel licensees. We accept such a coordination requirement.