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**Cellular/PCS Telephone in the Vicinity of the Proposed Allegany Wind Energy Project in Cattaraugus County, New York**

Comsearch was contracted Environmental Design and Research (EDR) analyze the potential impact that the installation of a wind energy facility in Cattaraugus County, New York would have on the operation of cellular and PCS telephone communications in and around the proposed Allegany Wind Energy Project. Table 1 contains the licensed cellular operators in the Cattaraugus County, New York area. Table 2 contains the PCS operators in the Cattaraugus County, New York area. Cellular and PCS telephone for the Allegany Wind Energy facility vicinity is based on the underlying counties for the facility which is Cattaraugus County. Cattaraugus County is in (Cellular Market Area) CMA561, New York 3-Chautauqua for Cellular and (Basic Trading Area) BTA330, Olean, New York, and Bradford, Pennsylvania and (Market Trading Area) MTA035, Buffalo-Rochester for PCS.

**Table 1 Cellular Telephone Operators in Cattaraugus County, New York**

<b>Operator</b>	<b>Band</b>	<b>County</b>	<b>License</b>
AT&T.	A	Cattaraugus	KNKN865
Verizon	B	Cattaraugus	KNKQ273

**Table 2 PCS Telephone Operators in Cattaraugus County, New York**

<b>Operator</b>	<b>Band</b>	<b>County</b>	<b>License</b>
Sprint Nextel	A	Cattaraugus	KNLF289
AT&T	B	Cattaraugus	KNLF270
AWS Spectrum	C3	Cattaraugus	WQHG461
Verizon	C4	Cattaraugus	WPTB356
AT&T	C5	Cattaraugus	WPTI752
T-Mobile	D	Cattaraugus	KNLF958
T-Mobile	E	Cattaraugus	KNLH321
Blue Wireless	F	Cattaraugus	KNLG735

The telephone communications in the Cellular and PCS frequency bands should be unaffected by the presence of the wind turbines. This applies to operations both within and outside of the Allegany Wind Energy Project boundaries. Since mobile telephone signals are designed to be able to reach more than one cell within a system, any signal blockage caused by the wind turbines does not materially degrade the network because of the way these systems are designed to operate.

Therefore, local obstacles are not normally a problem for these telephone systems whether they are installed in urban areas near large structures and buildings or in a rural area such as the Cattaraugus County area near a wind energy turbine facility. If a Cellular or PCS company does show that their coverage has been compromised by the presence of the wind energy facility, an unlikely condition, the way to restore the coverage is to add an additional cell or an additional sector antenna to an existing cell. Utility towers, meteorological towers or even the turbine towers within the Allegany Wind Energy facility can serve as the platform for the Cellular or PCS base station or sector antennas if it is found necessary that they be added to restore lost coverage.