

RESPONSE TO QUESTIONS 4 AND 5:

**NEED FOR SPECIAL TEMPORARY AUTHORITY
AND PURPOSE OF OPERATIONS**

Wisconsin Public Service Corporation (“WPSC”), respectfully requests renewal of its Special Temporary Authority (“STA”) until December 15, 2014 to operate in the 217/219 MHz band as specified in this request. Extension of STA will permit WPSC to continue equipment and propagation tests for use in Supervisory Control and Data Acquisition (“SCADA”) applications for electric utility grid management. Renewal is necessary because WPSC’s testing was delayed by historically cold weather.

The Company

WPSC, a subsidiary of the Integrys Energy Group, is a natural gas and electric utility serving northeastern and central Wisconsin and an adjacent portion of Upper Michigan. WPSC began in 1883 and currently serves more than 443,000 electric customers and 321,000 natural gas customers.

Special Temporary Authority

WPSC is working to implement advanced SCADA technologies for electric utility grid management, which will help to ensure safe and effective distribution of electricity to its customers. In connection with its efforts, WPSC is considering deployment of radio equipment operating in the 217/219 MHz AMTS band. Because certain devices to be tested have not yet been certified for use in the 217/219 MHz band, experimental STA is required for WPSC to conduct device and propagation tests to validate coverage and device capability.

The attached form includes maximum bandwidth and power intended for the tests. WPSC also intends to use directional antennas the proposed sites as follows: Wabeno (90 degree beamwidth, 257 degree azimuth), Summit Lake (62 degree beamwidth, 91 degree azimuth), and Silver Cliff (62 degree beamwidth, 270 degree azimuth) although different antenna configurations may be used during propagation testing.

If the tests are successful, WPSC may explore an acquisition of 217/219 MHz AMTS spectrum in which case the data collected from the testing would be used to complete a Form 603 application.

WPSC is working with the licensee for the spectrum on which testing is to be conducted. A consent letter from the licensee is included with this Application. WPSC will not exceed the permissible border area signal strength under Part 80 of the FCC’s rules at the border of the area to which the underlying licensee has consented.

All operations under STA will be limited to private, internal communications. WPS acknowledges that its operations pursuant to STA are secondary to other Commission licensees.

This will confirm that no party to this application is subject to the denial of federal benefits pursuant to § 5301 of the Anti-Drug Abuse Act of 1988. 21 U.S.C. § 862.

In light of the foregoing, WPSC submits that grant of the requested STA is in the public interest. Should the Commission require additional information, it is requested to contact Greg Kunkle, Keller and Heckman LLP, 1001 G Street NW, Washington, DC 20001; 202-434-4178; e-mail: kunkle@khlaw.com.