



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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DATE: October 12, 2012

TO: Benjamin Aron, Esq.
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FROM: Linda Roberts, Executive Director *LR/MAB*

RE: **DOCKET NO. 432** – Feasibility study of back-up power requirements for telecommunications towers and antennas pursuant to Public Act 12-148.

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than October 25, 2012. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 15 copies to this office and a PDF version to be filed electronically. In accordance with the State Solid Waste Management Plan and Section 16-50j-12 of the Regulations of Connecticut State Agencies, the Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators.

Cc: Service List

Docket No. 432
Pre-Hearing Questions

- 1) Provide a list of web-links for similar studies, laws or initiatives in other states other than those listed in the Council's Administrative Notice List.
- 2) Of the laws listed in the Council's Administrative Notice List identify the states in which your company does business and describe how your company complies with these requirements.
- 3) Describe the Federal Communications Commission recent endeavors to resume/initiate an investigation on backup power.
- 4) Does the Safe Port Act and Stafford Act sufficiently address the carriers need to access each and every site in the State?
- 5) Describe the need for backup power requirements.
- 6) Describe the types of back-up power technologies for temporary/portable backup power and for permanent on-site backup power that are feasible, available and cost functional for deployment during a prolonged power outage. List the criteria used in determining what type of generator is utilized at any one particular antenna site.
- 7) Discuss operating conditions as they relate to fuel type, availability, and deliverables?
- 8) What is the useful life of a battery backup power source and when does it need to be replaced?
- 9) Is a shared backup power source technically, environmentally, economically and legally feasible for sites with multiple carriers on cell towers/buildings?
- 10) What criteria are used to determine whether a particular site is critical or that a particular site would not require backup power?
- 11) Describe network reconfiguration associated with cell sites out of service? How does this strategy minimize lost coverage?
- 12) Provide the hierarchy for restoring commercial power for community infrastructure. (Where do switching office, remote terminals, and cell sites fit in that hierarchy?)
- 13) Provide a copy of the CTIA The Wireless Association (CTIA) Business Continuity/Disaster Recovery Program. (Annual 10 step certification program for wireless carriers who met planning standards and objectives) Identify each year the

carrier has received CTIA certification. If not, identify all other best practices the carriers adhere to and include web links, if applicable.

- 14) Compare and contrast the CTIA program with Network Reliability & Interoperability Council (NRIC) Power-Related Best Practices.
- 15) Provide the total number of wireless antenna sites in the State and identify the percentage of back-up power for each of the following: None, 0-8 hours, 8-12 hours, 12-24 hours, one day, and more than one day.
- 16) In response to the Statewide Hurricane Exercise that was held in July 2012, municipal representatives question whether their local emergency responders can assist with the provision of fuel or other assistance to re-start or maintain telecommunications towers. Please respond to this inquiry.
- 17) List the type(s) of permit(s) required for installing back up power.
- 18) List constraints that limit types of backup generators, including, but not limited to, space, weight, environmental, legal and safety.
- 19) Identify alternative backup power sources to responses to Question 18.
- 20) Provide a copy of the Wireless Proposal as approved in PURA's Docket 11-09-09 – PURA Investigation of Public Service Companies' Response to 2011 Storms. Is the wireless carrier a participant in the proposal? If not, would the wireless carrier be willing to participate in the proposal?