

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF NEW CINGULAR  
WIRELESS PCS, LLC (AT&T) FOR A  
CERTIFICATE OF ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC NEED FOR  
THE CONSTRUCTION, MAINTENANCE AND  
OPERATION OF A TELECOMMUNICATIONS  
TOWER FACILITY AT 8 BARNES ROAD IN  
THE TOWN OF CANAAN (FALLS VILLAGE)

DOCKET NO. 409

February 10, 2011

AT&T'S RESPONSES TO FALLS VILLAGE INLAND WETLANDS AND  
CONSERVATION COMMISSIONS' INTERROGATORIES

Q1. Please provide the material used, evidence utilized and the criteria applied to support the assertion at tab 4 page 1 of "no effect on any watercourses or waterbodies."

A1. Please see AT&T's Application, Section VI, Attachment 4, Wetlands Report.

Q2. Please (a) provide an explanation of the basis for the statement made by Dean Gustafson of VHB, tab 4, page 6: (regarding the presence of Hollis and Chatfield outcrop complex) that "Hollis and Chatfield soils consist respectively of somewhat excessively drained shallow (10 to 20 inches to bedrock) glacial till soils derived from gneiss, granite and schist. Therefore, the proposed development will not directly or indirectly affect wetlands or watercourses." (b) and please relate the explanation to the steepness of the slope.

A2. A response will be provided as soon as it is available.

Q3. In light of the assertion by Dean Gustafson of VHB, tab 4, page 6 that "The nearest wetland/watercourse is located on an adjoining property across Barnes Road to the north approximately 200 feet from the proposed access drive entrance onto Barnes Road," (a) please address the potential for run-off and the applicant's proposed measures to avoid run-off at the upper reaches of the proposed access road directly above and in close proximity (as shown on the "Natural Resources Conservation Service Soil Map" Tab 4, page 8) to the Hollenbeck River running parallel to the access road; (b) Please indicate where this proximity and watershed of the facility to the Hollenbeck River is addressed in the application; (c) Please explain the significance of the proximity of a wetland to the access drive in the assertion by Dean Gustafson of VHB, tab 4, page 6 that "The nearest wetland/watercourse is located on an adjoining property across Barnes Road to the north approximately 200 feet..." in light of, and in contrast to watershed impact on the Hollenbeck river, running parallel and below the tower site and proposed access road.

A3. A response will be provided as soon as it is available.

Q4. Page 6 of the application narrative states: "Utilities to serve the proposed facility would extend underground from pole number 2942 on Barnes Road and generally follow the existing access drive to be improved up to the tower compound location." Please provide specifications for the placement, accommodation and routing of said utilities and all hydrologic analyses of the effects from ground disturbance for their installation.

A4. Detailed plans will be included in a Development and Management ("D&M" plan) after any approval of the facility which may be issued by the Siting Council. Access road drainage calculations are provided in Attachment 5 of AT&T's Application.

Q5. Please explain (a) how the "existing access drive" (Application page 13) is existing in light of map CO2A. And (b) please describe the construction steps required for installing the access road, including removal of material (amount of material); as well as the amount of fill to be brought in; and the removal of natural features; excavation required; and all mechanical equipment required and how this equipment will be accommodated.

A5. The location of the proposed access drive will comply with the limits of the easement area providing access to the site. Please see Response No. 2 of AT&T Responses to Siting Council Interrogatories dated January 26, 2011 for cut and fill amounts.

As noted in the Emergency Access Statement provided in Attachment 5 of AT&T's Application, the proposed access road is designed to safely accommodate construction vehicles and equipment as well as emergency vehicles. AT&T proposes to improve an existing access drive for an unmanned public utility facility that, unlike a residence or commercial structure, does not require frequent access. As demonstrated in the materials attached in Exhibit A, large vehicles and emergency vehicles can be safely accommodated on roads with grades in excess of 20%.

Q6. Please state if the property deed says that this logging trail is a public highway. If so, please describe the steps that will be taken to comply with the Town's zoning regulations relating to "public highways."

A6. As noted in AT&T's Application, the existing access drive is provided via a perpetual easement right of way *for all purposes for which a public highway* may be used for the benefit of the subject site. As detailed in AT&T's Application, the proposed access drive will be used to access an unmanned facility for monthly maintenance. Pursuant to Section 16-50x of the Connecticut General Statutes, no local land use, zoning, wetlands or other permits are required for a cellular tower facility including a driveway serving it. Rather, the State Siting Council exclusively regulates such facilities through a Certificate application process.

Q7. Will any blasting be necessary fro (a) site development? (b) access road development? (c) drainage development? If so, please provide details of where blasting will take place and any analysis of potential harm to surrounding areas and steps to be taken to mitigate such harm.

A7. Please see response no. 7 of AT&T's Responses to Siting Council Interrogatories, dated January 26, 2011.

Q8. Please identify all existing seeps, springs, fissures and caves at or near the proposed construction sites, including the access road and the drainage system, that will be affected by the described construction and clearing.

A8. None of the listed features were identified during the survey of the subject site.

Q9. Please describe all measures proposed to prevent damage or closure of all exiting seeps, springs, fissures and caves that would be affected by any blasting on the site.

A9. Please see Response No.8 above.

Q10. Please describe (a) the precise location and construction details of the two proposed dams and the assurance that they will contain the anticipated maximum flow, and (b) the process by which accumulated soil/sedimentation will be removed.

A10. Detailed plans will be included in a Development and Management ("D&M" plan) after any approval of the facility which may be issued by the Siting Council. Please see Attachment 5 of AT&T's Application for access road drainage calculations and confirmation that the design of all drainage improvements was done in accordance with the ConnDOT Drainage Manual and meets the requirements specified therein.

Q11. To the extent the once-a-month site visits occur during winter and snowy weather, what road treatment will be used on the access road?

A11. It is anticipated that no road treatments will be used. AT&T's proposed facility is unmanned. The access road will be cleared on an "as-needed" basis for maintenance.

Q12. What snow and ice removal equipment would be used on the access road?

A12. Please see Response No. 11 above.

Q13. Please provide the name, contact information and qualifications of the person certifying the statement at page 14 of the Application that "Design of all proposed drainage improvements, including the access drive drainage, complies with the Conn DOT Drainage Manual and meets all requirements specified therein."

A13. Please see AT&T's Witness List and Resumes of Witnesses.

Q14. Please provide the name, contact information and qualifications of the person certifying the statement at page 14 of the Application that "The proposed Facility will have no impact on water flow, water quality, or air quality."

A14. Please see AT&T's Witness List and Resumes of Witnesses.

Q15. Please provide the name, contact information and qualifications of the person who prepared the "wetlands delineation report" and the person certifying the statement at page 14 of the Application that "A wetlands delineation report indicates that there are no wetlands on the site." Please provide the report.

A15. Please see AT&T's Witness List and Resumes of Witnesses. Please see Attachment 4 of AT&T's Application.

Q16. In light of the narrative state at page 8, "With respect to wireless communications services, the Telecommunications Act of 1996 expressly preserved State and/or local land use authority over wireless facilities, placed several requirements and legal limitations on the exercise of such authority and preempted State or local regulatory oversight in the area of emissions as more fully set forth in 47 USC 332(c)(7)." Please describe the steps the applicant will take to comply with Conn. Gen. Stat. §22a-32. (Formerly Sec. 22-71) "Regulated activity permit. Application. Hearing. Waiver of Hearing." which provides in pertinent part, "No regulated activity shall be conducted upon any wetland without a permit."

A16. Pursuant to Section 16-50x of the Connecticut General Statutes, no local land use, zoning, wetlands or other permits are required for a cellular tower facility. The State Siting Council exclusively regulates such facilities through a Certificate application process.

Q17. Did the Applicant or any consultant on its behalf meet or communicate with any representative of the following agencies and entities concerning the issue of "critical habit":

- (a) United States Fish and Wildlife Service
- (b) Connecticut Department of Environmental Protection
- (c) The Nature Conservancy
- (d) U.S. Environmental Protection Agency

If yes, please provide all inquires, responses and materials obtained from each agency, especially as to each agency's definition of "critical habitat," as referred to on NEPA Screen Map, Tab 7, page 5.

A17. Please see AT&T's Application, Section VI and Attachments 7, 8 & 9 for all correspondence and consultation conducted in accordance the FCC's regulations implementing the National Environmental Policy Act (NEPA).

Q18. Please explain the relevance of the US DOI 1/4/10 letter from Thomas R. Chapman to this application in light of Mr. Chapman's statement that:

Based on past experiences, we anticipate the there will be few, if any, projects that are

likely to impact piping plovers, roseate terns, bog turtles, Jesup's milk-vetch or other such species that are found on coastal beaches, riverine habitats or in wetlands because communication towers typically are not located in the habitats.

A18. A response will be provided as soon as it is available.

Q19. The USFWS has a self-help determination web page for "Project Review for Projects with Federal Involvement" at [http://www.fws.gov/newengland/EndangeredSpec-Consultation\\_Project\\_Review.htm](http://www.fws.gov/newengland/EndangeredSpec-Consultation_Project_Review.htm) a copy of which is attached hereto, and is referenced in both standard "To Whom it May Concern" letters attached to the Application at tab 7, pages 8, 9 and 10. There are six steps (A-F) required under "Step 1," and four steps (A-D) under "Step 2," and "Step 3" requires resolution between a required "habitat survey" and "a description of the proposed project." All evidence of actions taken beyond Step 1 A appears to be missing from the Application. Please provide a description of the steps taken in fulfillment of the attached USFWS guidelines, including, but not limited to, the comparison of "habitat present within the proposed project action area with habitat that is suitable for the species." (USFWS Endangered Species Consultation Guide)

A19. A response will be provided as soon as it is available.

Q20. The species referred to are state species provided at a link under Step 1. B at the above mentioned web page (attached for reference). Please indicate where in the Application these State species are mentioned and addressed.

A20. A response will be provided as soon as it is available.

Q21. Please describe the steps taken by the applicant to ascertain the presence of State and Federal Endangered Species within the effective proposed coverage area, beyond the U.S. Fish and Wildlife Service's standardized do-it yourself "guidelines to assist the public in determining whether a Section 7 consultation is needed and how to avoid or minimize effects for specific projects" (<http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm> (last visited 1/28/11) attached).

A21. A response will be provided as soon as it is available.

Please provide specific definition (including square footage and coordinates) of the following terms appearing in the application and support documents:

Q22. At tab 4, page 2, II, Scenic, Natural, Historic & Historic & Recreational Values: "Site" per: "After review of a preliminary habitat evaluation, the Connecticut Department of Environmental Protection determined that there are no known extant populations of Federal or State endangered, threatened or special concern species occurring at the site."

A22. Please see Attachment 8 of AT&T's Application for information provided to the DEP from VHB regarding the delineation of the site area.

Q23. At tab 7, page 10, "the project area(s)" per: "Based on the information currently available, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service (Service) are known to occur in the project area(s)."

A23. A response will be provided as soon as it is available.

Q24. Narrative, page 9: "surrounding areas": per "Currently, gaps in reliable coverage exist in the eastern portion of Falls Village along Routes 7, 126 and 63 and surrounding areas. Please provide geographical details including precise location and extent or size of what is meant by the phrase "surrounding areas."

A24. Please see the Existing Site Coverage propagation plot in Attachment 1 of AT&T's Application and Response No. 14 of AT&T's Responses to Siting Council's interrogatories, dated January 26, 2011.

Q25. Please describe and provide a map showing the outer limits of the projected maximum reliable coverage of operating frequency 880 MHz from the proposed site.

A25. Please see the Existing & Proposed Site Coverage propagation map (with scale) in Attachment 1 of AT&T's Application for proposed coverage at 850 MHz, AT&T's licensed frequency.

Q26. Please describe and provide a map showing the outer limits of the projected maximum reliable coverage of operating frequency 1900 MHz from the proposed site.

A.26. Please see the propagation map (with scale) included in Exhibit B for proposed coverage at 1900 MHz.

Q27. Tab 4, page 5: C Squared Systems Power Density Calculations. Please provide Cingular Wireless's plans for after-built monitoring for compliance with these projected power densities throughout the life of the facility.

A27. Through the Telecommunications Act of 1996 ("TCA"), Congress expressly preempted State and local governments from regulating wireless facilities on the basis of radio frequency emissions. 47 U.S.C. §332(c)(7)(b)(iv). See Cellular Phone Taskforce v. FCC, 205 F.3d 82 (2d Cir. 2000). As such, post install monitoring is not required and cannot be legally required.

Q28. Definition of Terms: Please provide specific definition of the following term appearing in the application and support documents; At tab 4, page 2, II, Scenic, Natural, Historic & Recreational Values: "Effect: per "The Connecticut State Historic Preservation officer ("SHPO") has determined that the proposed project will have no effect on historic, architectural or archeological resources."

A28. The Merriam-Webster on-line dictionary defines "effect" as follows: power to bring about a result; influence. Please see Attachment 9 of AT&T's Application for the SHPO's no effect determination for AT&T's proposed facility.

Q29. Please describe (a) any site visit made by the SHPO or officer thereof; (b) provide the SHPO detailed explanation of the term "no effect."

A29. The SHPO did require or request any site visits. See Attachment 9 of AT&T's Application for correspondence with the SHPO.

Q30. Please describe all steps in the process by which a rubber stamp from the State historic Preservation Office was caused to be placed upon the letter of opinion dated 8/7/10 of the applicant's consultant "VHB" appearing at tab 6, page 2.

A30. A response will be provided as soon as it is available.

Q31. Please provide the materials used, evidence utilized and the criteria applied to support the assertion at tab 4 page 2 that "The proposed facility will not be visible from the South Canaan Meeting House."

A31. A response will be provided as soon as it is available.

Q32. Please provide the material used, evidence collected and utilized and the criteria applied to support the assertion at tab 6 page 2 that "The balloon was not visible from this property [South Canaan Congregational Church]."

A32. A response will be provided as soon as it is available.

Q33. Please (a) describe the basis, including any written and photographic material for the statement at tab 4 page 2 that "The parcel on which the facility is located exhibits no unique scenic, natural, historic or recreational characteristics." (b) Please relate the foregoing to the requirements for maintaining a "scenic road" designation in the state of Connecticut.

A33. The subject site is not located on Route 7. Please see AT&T's Application Attachments 8 and for the DEP's and the SHPO's no effect determinations.

Q34. At Tab 6, page 6, please describe the computation by which 513 acres was determined.

A34. Please see AT&T's Application Attachment 6 for a description of the visibility methodology and analysis.

Q35. Please (a) define the term "view shed" as used throughout the application, (b) Please provide the formula by which "view shed" was determined; (c) Please provide the basis for the determination of 19 houses.

A35. Please see AT&T's Application Attachment 6 for a description of the viewshed and visibility methodology and analysis.

Q36. Please detail the "studies completed by AT&T" (described as meeting "the consistency of the proposed Facility with these guidelines [Section 9.2 of the Zoning Regulations of the Town of Canaan]" illustrated in the table on page 20 of the application under the heading "9.2.4.a Resource Protection Guidelines" as those studies relate to:

- (a) preserving environmentally sensitive areas;
- (b) preserving unique wildlife habitats;
- (c) preserving wetlands;
- (d) preserving historic and archeological resources.

A36. Please see AT&T's Application, Section VI; Attachments 4, 5, 6, 7, 8 & 9.

Q37. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to the Hollenbeck River.

A37. The compound area is approximately 970' east of the Hollenbeck River and the closest point of the access drive is approximately 490' east of the Hollenbeck River.

Q38. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to the Wangum Lake Brook.

A.38. The compound area is approximately 2,020' south of Wangum Lake Brook and the closest point of the access drive is approximately 1,450' south of Wangum Lake Brook.

Q39. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to Robbins Swamp.

A39. The compound area is approximately 1,800' east of Robbins Swamp and the closest point of the access drive is approximately 200' south of Robbins Swamp.

Q40. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to the closest wetland other than the foregoing (interrogatories 32, 33 and 34) and provide a description of same.

A40. The closest wetland was delineated approximately 200 feet from the proposed access drive entrance on Barnes Road. Please see Attachment 4 of AT&T's Application.

For responses Q41 through Q60, responses will be provided as soon as available.



Q41. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any amphibian habitat, and provide a description and location of the habitat(s).

Q42. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any bog turtle habitat, and provide a description and location of the habitat(s).

Q43. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any Eastern box turtle habitat, and provide a description and location of the habitat(s).

Q44. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any timber rattlesnake habitat, and provide a description and location of the habitat(s).

Q45. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any northern metalmark butterfly habitat, and provide a description and location of the habitat(s).

Q46. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any small whorl pogonia habitat, and provide a description and location of the habitat(s).

Q47. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any Blue-spotted salamander habitat, and provide a description and location of the habitat(s).

Q48. . Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any Northern spring salamander habitat, and provide a description and location of the habitat(s).

Q49. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any Northern slimy salamander habitat, and provide a description and location of the habitat(s).

Q50. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any American bittern habitat, and provide a description and location of the habitat(s).

Q51. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any Bald eagle habitat, and provide a description and location of the habitat(s).

Q52. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any Burbot habitat, and provide a description and location of the habitat(s).

Q53. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any whippoorwill habitat, and provide a description and location of the habitat(s).

Q54. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any golden eagle habitat, and provide a description and location of the habitat(s).

Q55. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any ruffed grouse habitat, and provide a description and location of the habitat(s).

Q56. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any yellow ladies slipper habitat, and provide a description and location of the habitat(s).

Q57. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any showy ladies slipper habitat, and provide a description and location of the habitat(s).

Q58. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any northern leopard frog habitat, and provide a description and location of the habitat(s).

Q59. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any Scotts Spleenwort habitat, and provide a description and location of the habitat(s).

Q60. Please provide (in feet) the distances from the closest points of (a) the compound area; and (b) the access drive, to any "Limestone Erratics" - limestone boulders supporting sensitive ferns, including the "walking fern" and "Scotts Spleenwort" specific to limestone habitats, and provide a description and location of the habitat(s).

Q61. Attached hereto is current Nature Conservancy description of environmental features and such species of the Northwest Highlands, including areas described as the Hollenbeck Preserve and Robbins Swamp. This description mentions the presence of more than 150 rare and endangered species. (a) Please describe all environmental features that occur in the tower's proposed reliable coverage area; (c) please describe the power density and frequency levels of RF emissions from the proposed facility when operating at full capacity with Cingular Wireless' antennas in use, on such environmental features and species and their habitats within the proposed reliable coverage area; (d) please describe the power density and frequency levels of RF emissions from the proposed facility when operating at full capacity with all antennas of four

co-located carriers in use on such environmental features and species and their habitats within the proposed reliable coverage area.

A61. As noted above in Response No. 27, Congress expressly preempted State and local governments from regulating wireless facilities on the basis of radio frequency emissions. 47 U.S.C. §332(c)(7)(b)(iv). See Cellular Phone Taskforce v. FCC, 205 F.3d 82 (2d Cir. 2000).

Moreover, the Connecticut Supreme Court also held that the "biological effects of high frequency radio wave emissions on wildlife" are "beyond the statutory authority" of the Siting Council. See Bornemann v Conn. Siting Council, 287 Conn. 177, 183 (2008).

Please see Attachment 4 of AT&T's Application for confirmation that AT&T's proposed facility complies with FCC standards for emissions, which report was calculated using worst case conditions.

Q62. Please provide full citations to any environmental or scientific studies consulted by the applicant and its consultants relating to the environmental assessment of the RF emissions from the proposed facility on each of the environmental features and species referred to above in interrogatories 61 a, b, c and d.

A.62. Please see Response No. 61 above.

Q63. Please identify and provide copies of any submissions by the applicant to the federal communications Commission pursuant to 47 C.F.R. §1.1307(3) relating to the subjects of interrogatories 61 a, b, c and d.

A.63. Please see Response No. 61 above. Please see Attachment 7 of AT&T's Application demonstrating that the proposed facility does not pose a potential adverse impact to any of the listed categories of Section 1.1307 under the National Environmental Policy Act (NEPA).

Q64. Please describe the boundaries of the "site" submitted to (a) the U.S. Fish and Wildlife Service, and (b) Connecticut D.E.P. for determination of the extant populations of any Federal or State endangered, threatened or special concern species relating to this application.

A64. Please see Attachment 7 of AT&T's Application regarding the U.S. Fish and Wildlife Service consultation information and requirements. Please see Attachment 8 of AT&T's Application for correspondence and information provided to the DEP.

Q65. Please identify all endangered, threatened or special concern species located anywhere in the reliable coverage area for the proposed facility, describing the location of their habitats in relation thereto.

A65. Please see Response No. 61 above.

Q66. Please provide the date and title of the most recent field study of state endangered, threatened or special concern species conducted by the Connecticut DEP relied upon in any part of the application.

A66. A response will be provided as soon as it is available.

Q67. Please provide the date and title of the most recent field study of federally listed, threatened or endangered species conducted by any Federal agency relied upon in any part of the application.

A67. A response will be provided as soon as it is available.

Q68. Please describe the broadband capabilities of the proposed facility and its projected reliable coverage area.

A68. Please see Response No. 12 of AT&T's Responses to Siting Council Interrogatories, dated January 26, 2011.

Q69. Regarding the suggested alternative site at the Century Aggregate property (site 13, on the Site Search Summary), please describe and provide a map of the projected reliable coverage area from this site together with a description and map of "the area where coverage is needed" as described on page 24 of the application, in relation to (a) the 880 MHz signal; and (b) the 1900 MHz signal.

A69. Attached as Exhibit C are propagation plots depicting proposed coverage from the Century Aggregate site located at 74 Sand Road at 850 MHz and 1900 MHz. As clearly demonstrated in the attached propagation maps, a facility at this location would not provide service to the area targeted for service by the proposed facility. As such, the Century Aggregate site is not a feasible alternative to the proposed site.

Q70. Please describe and provide a map of the complete existing reliable coverage area from AT&T Site 1134 in relation to (a) the 880 MHz signal; and (b) the 1900 MHz signal.

A70. Attached in Exhibit D are propagation maps that depict service from AT&T's Site CT1134 at 850 MHz and 1900 MHz.

Q71. At page 6 of the narrative, the application states "The company's member corporation is licensed by the Federal Communications Commission ("FCC") to construct and operate a personal wireless services system, which has been interpreted as a 'cellular system', within the meaning of CGS Section 16-50i(a)(6).

(a) Please describe all services that the proposed facility will support.

Please see Response No. 12 of AT&T's Responses to Siting Council Interrogatories dated January 26, 2011.

(b) Please list all communities the proposed signals will serve.

Please see Attachment 2 of AT&T's Application.

(c) Please detail/explain why 9-1-1 services cannot be accomplished through booster antennas.

Assuming that the term "booster" is referring to a repeater, 911 services cannot be provided by a repeater system due to the fact that deployment of repeaters requires a strong donor signal from a nearby existing site to be repeated. Given that the area targeted for service is characterized by weak and unreliable signals, there is no donor site to provide the donor signal.

(d) Please detail/explain what determines that high-tension power line tower supports running from southeast to west to north will not serve the proposed coverage.

Please see AT&T's Response No. 3 to Siting Council Interrogatories dated January 26, 2011.

Q72. Please explain (a) what is meant by "worst case calculation of power density" (Tab 4, at E)? and (b) how is that different from power density output with four co-located carriers on the proposed tower when the tower is operational? (c) what provision is there for independent after-built monitoring of the power output by the applicant?

A72. The worst case calculation includes a calculation of the absolute maximum exposure that would occur if all transmitters were simultaneously operating at maximum power and the antennas were pointed directly at the ground. In actual operation, the transmitters rarely operate at maximum power and the antennas are not directed toward the ground.

The worst case power density calculation provided in Attachment 4 of AT&T's Application is the result for AT&T's proposed facility. Any other carriers that seek to co-locate on the proposed facility would be required to demonstrate that its facility in conjunction with existing facilities comply with the FCC regulations. Given that details of future co-locators' facilities are not available at this time, a cumulative calculation is not feasible.

See Response No. 27 above regarding federal preemption of post installation monitoring.

Q73. Tab 4, page 4, "Tree Inventory" by CHA states that a total of 127 trees will be removed "within the area of the proposed access road and compound which need to be removed for construction of the facility." Please describe how many trees will be removed to accommodate the proposed drainage systems for the site, and please state the site total tree removal for the entire project, not just the access road and facility construction.

A73. The total tree removal count of 127 trees is accurate for the entire project.

Q74. Tab 5, page 3 states "Hydrologic Evaluation." Please provide all hydrologic engineering studies of the changes to the watershed to be caused by the proposed facility including access road, tower, compound and power shed.

A74. Please see Attachment 5 of AT&T's Application.

Q75. Tab 5, page 3 states "Aerial photos of the watershed show that the primary terrain cover is comprised of forested area with pockets of exposed rock outcrops." (a) Please provide hydrologic studies based upon the proposed removal of 127 trees; (b) and please provide hydrologic studies based upon removal of the additional trees necessary to accommodate the drainage systems proposed (see interrogatory number 60).

A75. Please see Attachment 5 of AT&T's Application.

Q76. Tab 5, page 4 states "Depth to bedrock is shallow, ranging from 0 to 20 inches. These soils are situated on steep slopes, which can create excessive drainage." Tab 5, page 3 states that "The steepness of the terrain subjects the gravel access road alignment to sheet flow and high velocity shallow concentrated flows that will concentrate on adjacent sides of the road subjecting it to erosion." Please explain and reconcile this statement with the statement in the "Environmental Assessment Statement" (Tab 4, page 1, 1. Physical Impact, A. Water Flow and Quality") that "No water flow and/or water quality changes are anticipated as a result of the construction or operation of the proposed facility."

A76. Please see AT&T's Application Section VI.D Clearing, Grading and Drainage Assessment and Attachment 5.

Q77. In light of the application statement that the "proposed Facility on Cobble Hill will be visible from various vantage points in the community," please list all the criteria upon which the Industrial Zoned Century Aggregate property site was rejected.

A77. Please see AT&T's Application Attachments 2 and 10 (March 24, 2010 letter) and Response No. 69 above.

Q78. At page 9, the narrative states "The Facility proposed in this Application is an integral component of AT&T's network in its FCC licensed areas throughout the state". Please provide descriptions, maps, specifications and documents regarding AT&T's (a) existing and (b) planned network in the Town of Canaan, Connecticut and its contiguous neighboring towns; including complete existing reliable coverage areas for the (c) 880 MHz signal; and (d) for the 1900 MHz signal.

A78. Please see AT&T's Application, Section III and Attachment 1.

Q79. In light of the statement on page 11 of the application that "Other tall structures in and around the search ring included CL&P 115kv transmission line support structures that were also rejected by AT&T based on their relatively low ground elevation, relative heights and location south of the intervening terrain Cobble Hill Blocking potential coverage to the north." Please explain how (a) the CL&P transmission line support structures are "relatively low ground elevation" or "relative heights" in relation to Cobble Hill; and (b) how "blocking potential coverage to the north" is a criterion for filling "gaps in reliable coverage exist[ing] in the eastern portion of Falls Village along Routes 7, 126 and 63 and surrounding areas." (Application, page 9) and (c) how the existing boosters on Beebe Hill and Sand Road are currently utilized in the

existing AT&T network; and (d) how the existing boosters on Beebe Hill and Sand Road do not satisfy the proposed coverage.

A.79. As shown in AT&T's Application, the ground elevation of the proposed site is 1,198' AMSL. The average ground elevation of the CL&P utility line is approximately 664' AMSL. As demonstrated in AT&T's Application Section 2 and AT&T's Response No. 3 to Siting Council Interrogatories, locating a facility on the CL&P utility line would not provide service to the area targeted for needed coverage. At the elevation of the CL&P line, the existing terrain would block any signal from reaching the area targeted for service.

AT&T has no information on existing boosters (assuming that "boosters" refer to repeaters) on Beebe Hill and Sand Road. Please see Response No. 71 above and AT&T's Application, Section V.C detailing why repeaters are not a viable alternative for the proposed facility.

Q80. Please compare the altitude of the "higher relative terrain" of the proposed tower site (Application page 12) to the height of the CL&P 115kv transmission line support structures mentioned at page 11 of the Application.

A80. Please see Response No. 79 above.

Q81. Please list all alternatives considered by the applicant in order to comply with the Siting Council's mandate to encourage co-location on existing towers, to avoid tower proliferation, in keeping with the Town's Plan of Conservation and Development.

A81. Please see AT&T's Application Section IV, Site Selection and Tower Sharing and Attachments 2 and 10.

CERTIFICATE OF SERVICE

I hereby certify that on this day, a copy of the foregoing was sent electronically and by overnight delivery to the Connecticut Siting Council with copy to:

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Dated: February 10, 2011

  
Lucia Chiochio

cc: Michele Briggs, AT&T  
David Vivian, SAI  
Anthony Wells, C Squared  
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