



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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March 31, 2017

Kenneth C. Baldwin, Esq.  
Robinson & Cole LLP  
280 Trumbull Street  
Hartford, CT 06103-3597

RE: **DOCKET NO. 469** - Cellco Partnership d/b/a Verizon Wireless Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at Killingly Tax Assessor's Map 143, Lot 6, 520 Bailey Hill Road, Killingly, Connecticut. **Development and Management Plan.**

Dear Attorney Baldwin:

At a public meeting of the Connecticut Siting Council (Council) held on March 30, 2017, the Council considered and approved the Development and Management (D&M) Plan submitted for this project on February 24, 2017.

This approval applies only to the D&M Plan submitted on February 24, 2017, and additional information dated March 15, 2017. Requests for any changes to the D&M Plan shall be approved by Council staff in accordance with Regulations of Connecticut State Agencies Section (RCSA) §16-50j-77(b). Furthermore, the Certificate Holder is responsible for reporting requirements pursuant to RCSA 16-50j-77.

Please be advised that changes and deviations from this plan are enforceable under the provisions of the Connecticut General Statutes § 16-50u. Enclosed is a copy of the staff report on this D&M Plan, dated March 30, 2017.

Thank you for your attention and cooperation.

Sincerely,

Robert Stein  
Chairman

RS/MP/laf

Enclosure: Staff Report, dated March 30, 2017

c: Parties and Intervenors

The Honorable David Griffiths, Chairman, Town of Killingly

Ann-Marie L. Aubrey, Director of Planning and Development, Town of Killingly



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**Docket 469 - Killingly**  
**Development and Management Plan**  
**Staff Report**  
**March 30, 2017**

On December 22, 2016, the Connecticut Siting Council (Council) issued a Certificate of Environmental Compatibility and Public Need to Cellco Partnership d/b/a Verizon Wireless (Cellco) for the construction, maintenance, and operation of a wireless telecommunications facility located at 520 Bailey Hill Road, Killingly, Connecticut. As required in the Council's Decision and Order (D&O), Cellco submitted a Development and Management Plan (D&M Plan) for the project to the Council on February 24, 2017. A copy of the D&M Plan was also submitted to the Town of Killingly on or about February 23, 2017. On March 15, 2017, Cellco responded to Council interrogatories and provided revised site plans for its D&M Plan. No comments on the D&M Plan have been received to date.

Consistent with the Council's D&O, Cellco will construct a 150-foot monopole on an approximately 648-acre parcel owned by Tri Lakes LLC. The subject property is zoned Rural Development and is currently undeveloped except for an existing access driveway to reach a lake. Land uses immediately surrounding the subject parcel include undeveloped land and low-density residential uses. The tower will be constructed in the northwestern portion of the subject property.

The tower, as proposed, will be capable of supporting four levels of antennas, including Cellco. The tower and foundation are also designed to accommodate a 20-foot tower extension (to a maximum height of 170 feet) and with two additional levels of antennas (for a maximum of six). Such extension would require further Council review and approval before installation. Cellco will install nine panel antennas and nine remote radio heads on a low-profile antenna platform at a centerline height of 150 feet above ground level (agl). The tops of Cellco's antennas will reach a maximum height of 153 feet agl. The monopole will have a galvanized steel finish.

Condition No. 2b of the D&O required that Cellco consider the mitigation of fire risk in its site clearing plan. Accordingly, to mitigate fire risk, Cellco will install a three-inch diameter crushed stone surface over a fabric material over the entire 100-foot by 100-foot lease area, instead of the originally proposed 50-foot by 50-foot equipment area. Thus, the fenced equipment compound will be 10,000 square feet and equal to the lease area at the site. The compound will be enclosed by an eight-foot high chain link fence with a 1.25-inch anti-climb mesh. Two trees with a diameter greater than six inches will be cleared, and approximately 130 cubic yards of excavated material will be removed from the site. No landscaping is planned around the fenced compound as the site is not visible from Bailey Hill Road. In lieu of an equipment shelter, Cellco will install an approximately 26-foot by 12-foot elevated steel platform with a roof/canopy on top to accommodate its equipment. Erosion and sedimentation controls, consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, will be installed to isolate the construction area.

Cellco will install two equipment cabinets and one 15-kilowatt diesel backup generator with a 54-gallon double-walled fuel tank on its equipment platform. Cellco will have a battery backup system that, by itself, could provide four to eight hours of backup power. However, the backup generator will keep the batteries charged during a power outage, and its fuel tank capacity will provide about 60 to 65 hours of run time without refueling under normal load conditions.

Access to the compound will generally follow existing access from Bailey Hill Road and then will turn to the north to reach the compound. Existing gravel access will be improved/repared after the facility construction

and utility installation. New access will also be gravel. In total, the access drive (existing plus new) will be 12 feet wide and approximately 562 feet long. Utilities will originate from a proposed 45-foot utility pole on the west side of Bailey Hill Road, cross Bailey Hill Road overhead to reach another utility pole on the east side and then continue underground to reach the tower compound. Eversource has requested that Cellco install a security fence around the electrical transformer and utility backboard adjacent to the facility compound. Accordingly, Cellco has included such fence design in its revised site plans.

Consistent with the Council's D&O, the cumulative radio frequency power density level at the base of the tower with a 10-dB reduction to account for the antenna pattern will be 2.2 percent of the FCC's General Public/Uncontrolled Maximum Permissible Exposure limit.

Cellco will commence construction approximately one month after securing D&M Plan approval. Facility construction is expected to require 12 to 16 weeks to complete. Construction-related noise is exempt per DEEP noise regulations. Notwithstanding, any construction-related impacts to existing noise levels would be short-term and localized in the vicinity of the work site.

All of the Development and Management Plan requirements set forth in the Council's Decision & Order for Docket 469 are in compliance; therefore, Council staff recommends approval.