STATE OF VERMONT
PUBLIC UTILITY COMMISSION

Case No. 25-_____-PET

De Minimis Application of Bell Atlantic Mobile Systems,)
LLC d/b/a Verizon Wireless, for a Certificate of Public Good,)
pursuant to 30 V.S.A. § 248a, authorizing the modification)
of telecommunications equipment on an existing facility)
in Georgia, Vermont)

PREFILED DIRECT TESTIMONY OF MARIA MONTROSE

ON BEHALF OF BELL ATLANTIC MOBILE SYSTEMS, LLC, D/B/A VERIZON WIRELESS

December 5, 2025

Summary:

Ms. Montrose's testimony will address the proposed installation and how the Project will promote the general good of the State of Vermont.

Q1. Please state your name, employer and current position.

A1. My name is Maria Montrose, I am the Principal Radio Frequency ("RF") Engineer currently working for Bell Atlantic Mobile Systems, LLC d/b/a Verizon Wireless ("Verizon").

Q2. Please state briefly your educational and professional background.

A2. I have worked as an RF engineer for Verizon since September 1995. My credentials as an RF engineer include the following:

- Responsible for the design and implementation of cellular, AWS, PCS and LTE base stations in Connecticut and Vermont. This entails site selection, antenna selection, propagation analysis, cell site layout/design, frequency planning, and coordination with neighbors and carriers in Canada for sites near the international border.
- Responsible for filings with the Federal Aviation Administration and the Federal Communications Commission ("FCC").
- Responsible for RF exposure and safety compliance checks and overall system optimization.
- Responsible to provide engineering support for the deployment of all services offered by Verizon including voice, high speed data, E-911, SMS (text messaging) and mobile instant messaging.

In addition, I am a certified instructor/training facilitator for OSHA RF safety and compliance.

Q3. Have you ever testified before the Public Service Board or Public Utility Commission?

A3. Yes. I have submitted prefiled testimony in Case No. 19-0248-PET (Burlington) among

others. In addition, I have testified before Act 250 District Commissions and Vermont Zoning and Development Review Boards when those Commissions and Boards were processing Verizon's applications. I have testified on many occasions before the Connecticut Siting Council, which has jurisdiction over telecommunications facilities.

Q4. Please identify the location of the Project that is the subject to this § 248a filing.

A4. Verizon proposes to modify an existing wireless telecommunication facility located on a 83.3' above ground level ("AGL") silo ("Silo") located at 4653 Ethan Allen Highway in the Town of Georgia. Verizon refers to the Project as "Georgia 3". The coordinates of the Project are latitude 44.738991 North and longitude -73.115799 West. The location of the Project is shown on Exhibit KK-2 Permit Plans. The property owner has given Verizon permission to proceed with this application

On October 23, 2017, the Public Utility Commission ("PUC") approved the Petition of Bell Atlantic Mobile Systems of Allentown, Inc. and Cellco Partnership each d/b/a Verizon Wireless in Case No. 17-3988-PET authorizing the co-location of Verizon's antennas and ancillary equipment on the existing Silo at the site. This project consists of modifications to the equipment installed within the Steeple pursuant to the Order and CPG.

Q5. From a Radio Frequency Engineer's prospective, please describe what site improvements will be necessary for the proposed Project.

A5. Verizon currently has twelve (12) antennas, six (6) Remote Radio Heads ("RRHS"), and two (2) OVP distribution boxes installed on the Silo.

Verizon now proposes to remove three (3) antennas, which each measure 5.99 sq. ft, and six (6) RRHs, three (3) of which each measure 1.81 sq. ft. and three (3) of which each measure 2.15 sq. ft.

They will be replaced by three (3) antennas, which each measure 3.16 sq. ft., six (6) RRHs, three (3) of which each measure 1.55 sq. ft. and three (3) of which each measure 2.62 sq. ft., and three (3) NGOVP distribution boxes, which each measure 1.20 sq. ft. See Permit Plans at Sheet A-2. The Antennas will be mounted at the same centerline as the existing equipment, 77' AGL. The topmost height of the new Antennas will extend to 78.2' AGL. The aggregate visible surface area of the existing equipment on the Silo is 87.90 square feet. Following the proposed modification, the aggregate visible facial surface area will be reduced to 83.66 square feet. Full and accurate specifications of the proposed Antennas, RRH, and OVP are detailed in Exhibit MM-1.[1]

The Prefiled Testimony of Krupakaran Kolandaivelu, P.E. discusses the location of the other equipment at the Site.

Q6. Please address the level of radiation associated with the proposed equipment.

A6. Under federal law, Verizon is required to comply with the radiofrequency ("RF") emission levels established by the Federal Communications Commission ("FCC"). Calculations using the most extreme assumptions, which could not possibly be duplicated at the site, demonstrate that RF emission levels for each site will still be well below the Maximum Permissible Exposure limits established by the FCC.

Q7. Does this conclude your Prefiled Direct Testimony?

A7. Yes.

[1] From time to time, equipment manufacturers may slightly alter their products or Verizon Wireless may purchase from different suppliers. Therefore, there is a possibility that the actual antennas may differ slightly from what is described in the attached specifications.

Exhibits to Prefiled Testimony of Maria Montrose

Exhibit MM-1	Antenna, RRH, and OVP Specifications