

**Supplement Response – February 12, 2015****The Project Description-Proposal – REVISED**

Site Name: Hwy 101 &amp; 237

Proposed Verizon Wireless facility located at  
787 No. Mary Avenue Sunnyvale, CA 94085

Owner: North Mary LLC

APN: 165-40-003

**Introduction**

Verizon and its affiliates have acquired licenses from the Federal Communication Commission (“FCC”) and the CPUC. These licenses include Santa Clara County, California. The regional system operates under the name GTE Mobilnet of California Limited Partnership, a California limited partnership, d/b/a Verizon Wireless.

**Applicant’s Request**

Verizon Wireless formally requests pursuant to the City of Sunnyvale Wireless Telecommunications Policy approval of a Use Permit for an unmanned telecommunications facility located at 787 No. Mary Avenue in Sunnyvale, California.

**Project Description**

Installation of an unmanned Verizon Wireless telecommunications facility to be located at 787 No. Mary Avenue, in Sunnyvale, California. The proposed facility will consist of the installation of nine panel antennas, and nine remote radio units mounted on new 60 foot MonoEucalyptus, an approximate 11’-1.6” x 16’-10 1/2” equipment shelter and a \*standby 30 KW Diesel generator with a 132 gallon UL 142 listed fuel tank, located with a 21’x 41’ lease area within a chain link fence with redwood slats.

\*Verizon will include a new stand-by 30KW diesel generator with a 132-gallon diesel fuel tank. This generator will supply power in emergency situations only. This is part of Verizon’s homeland security initiative. Verizon wants the entire network to be able to sustain itself in the event of blackout situations. The generator will meet all noise standards of the City of Sunnyvale.

**Maintenance**

The facility will be unmanned and will be visited only monthly for routine maintenance. The facility will emit no glare, odor or noise above acceptable levels, and will not have any signage other than those required for identification as mandated by the FCC and FAA, which are designed to protect public safety. To ensure structural integrity of the facility, Verizon Wireless will construct and maintain the site in compliance with all federal, state and local building codes and standards. In addition, each facility is monitored 24 hours a day, electronically for intrusion and environmental disruption. The facility will also contain a sign identifying a 1-800 number to call in case of an emergency (manned 24 hours a day by Verizon employees) and identifying it as a Verizon facility. Verizon will be in compliance with all FCC regulations regarding signage at the facility.

## Supplement Response – February 12, 2015

### **Need for Site and Location Justification**

Wireless phone systems operate on a “grid” system, whereby overlapping “cells” mesh to form a seamless wireless network. The technical criteria for establishing cell sites are very exacting as to both the height and location of the telecommunication facility. Based on a computerized engineering study, which takes into account, among other things, local population density, traffic patterns, and topography, Verizon Wireless’s RF engineers have identified this location as being a necessary and appropriate location for a cell site in order to provide coverage along the Highway 101 and Hwy 237 interchange and to the surrounding businesses and community of Sunnyvale.

### **Collocation Opportunity**

The proposed MonoEucalyptus pole will be structurally designed to hold up to two additional carriers. The applicant is unaware at this time of other carriers intention to collocate on the proposed tower.

### **Alternative Site Analysis**

Verizon Wireless investigated existing structures, towers and buildings high enough to accommodate the coverage objectives.

#### **220 W. Ahwanee Avenue – Sunnyvale – Lock Storage**

Antennas would be mounted to rooftop, no ground space for equipment – would require equipment to be placed inside storage units not currently available. Placement of generator would require taking at least one parking space. Limited parking.

#### **St. Jude’s – 645 Almanor – Sunnyvale**

Had site visit with RF and facilities manager. LL rejected- management not interested.

#### **675 Almanor Avenue – Sunnyvale Parkinson Offices**

Access crosses several parcels and water district easement.

#### **525 Almanor Avenue – Sunnyvale**

Menrock ownership – non-responsive property owner

#### **919 Hamlin Court – Sunnyvale**

Existing Treepole – Rad center available too low to meet Verizon coverage objective, Insufficient available ground space for equipment shelter and generator.

### **Radio Frequency**

The proposed facility will be designed and constructed to meet applicable governmental and industry safety standards. Verizon Wireless continues to comply with all FCC governing construction requirements, technical standards, interference protection, power limitations, and radio frequency standards. Any and all RF emissions are subject to the exclusive jurisdiction of the FCC. (See EMF Evaluation dated December 27, 2013)

## Supplement Response – February 12, 2015

### Standby Generator for emergency back up power supply

In order for Verizon to maintain the site's operational capability in the event of an emergency or extended power outage, a 30 kW diesel fired generator will be installed at time of construction. The generator itself is enclosed in a sound attenuated enclosure, utilizes a muffler with the exhaust pipe directed vertically approximately 8 feet above ground level. The generator would run for extended periods of time only in the event of a natural disaster, other emergency or prolonged power outage. Sound test results are available for the proposed generator and are attached for review.

### Safety

The proposed site will be entirely self-monitored by sophisticated computers which connect directly to a central office and which alert personnel to equipment malfunction or breach of security. Moreover, no smoke, debris or other nuisance will be generated by the proposed facility.

The proposed facility will not be detrimental to nor will it endanger the public health, safety, morals, comfort, or general welfare of the community. The proposed facility will not pose a risk of explosion, fire or other danger to life or property due to proximity to other materials and the facility will be designed and a State of California qualified engineer will certify that the proposed facility will be structurally sound.

### In Conclusion

Everyday, more than 296,000 "911" calls are made from wireless phones. According to the National Center for Health Statistics Interview Survey January – June 2010, 26.6% of U.S. Households are Wireless "Only" households. The proposed Verizon Wireless Telecommunications Facility enhances the general welfare of the community by providing the infrastructure for these calls, as well as providing vital means of communication during times of emergency when traditional land lines are not available or in cases of power failure. The carefully selected and designed facility allows these calls to occur while remaining a site that meets the needs of the community now and in the future.

For the purpose and duration of this application, the project manager is **NSA Wireless, Inc. located at 2010 Crow Canyon Place Suite 355, San Ramon CA 94583, contact Pamela Nobel direct at (707) 486-7252, email: pdnobel@earthlink.net** or NSA Wireless at (925) 244-1890, and Fax: (925) 355-0672.

Verizon Wireless long-term responsible party and agent for service of process is:

GTE Mobilnet of California Limited Partnership,  
dba Verizon Wireless  
180 Washington Valley Road  
Bedminster, New Jersey 07921  
Attention: Network Real Estate