



June 20, 2016

To: County of Ventura.

**Subject: Verizon Wireless (VZW) Proposed Telecommunications Facility,
8310 Bates Road, Ventura, CA 93103
(Verizon Wireless Site Name - 'Hwy 101/Rincon')**

To Whom It May Concern:

The objective of this proposed site is to cover Hwy 101 in a common poor service zone South of Carpinteria and into Ventura County. The site will also improve service for the community of Rincon Point.

With this site there are a few factors that are necessitating the requested height.

Hwy 101 runs directly below the site off a very steep cut into the hillside. Ideally a site would be right at the edge of a drop in terrain like this so there is not a shadow directly below the site, however this is not always practical. The tower is about 60' north of this drop in terrain. The farther you move away from the drop the higher the antennas need to be to see over the edge to the Hwy below. If we were to go lower the shadow would prevent the site from covering the North bound lanes and impact the sites ability to achieve this important part of the objective. With the Mono Palm design the second centerline is low enough that it will be impacted by the terrain drop and the adjacent trees. While this is not ideal and we would prefer for both antennas to be in the higher zone, we believe we can make this work.

While are tools used to show coverage are very good, they cannot show specific trees such as we are dealing with at this location. They also do a certain amount of averaging of the terrain elevation. This has the impact of smoothing out sharp drops like we are dealing with here and showing better results from the site than will actually be experienced. Due to this known weakness in propagating RF in under the conditions of this site, it is not a valid way to determine the necessary height of the antennas.

I hope this helps and I will be available to answer any questions at the hearing or the week before.

Thank you,

Dewayne Bonham

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County of Ventura
Board of Supervisors
PL14-0128

Exhibit A – Verizon Wireless Letter, dated
June 20, 2016