

**From:** [Johnson, Cliff](#)  
**To:** [McClenagan, Laura](#)  
**Subject:** FW: PWM Inc.apln-2021-17005 Sun Valley Communication Site  
**Date:** Thursday, July 01, 2021 9:54:28 AM  
**Attachments:** [PWM Staff Report Page 10 Previous Tower Height County Support.pdf](#)

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Hi Laura,

Please forward this email to the Commissioners. Thanks

Cliff

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**From:** Thomas McMurray <tjmcjr@outlook.com>  
**Sent:** Thursday, July 1, 2021 9:07 AM  
**To:** Johnson, Cliff <CJohnson@co.humboldt.ca.us>; Brian Millar <brian@landlogistics.com>  
**Cc:** Thomas McMurray <tjmcjr@outlook.com>; Ainsley Parks (ainsleyparks@outlook.com) <ainsleyparks@outlook.com>  
**Subject:** PWM Inc.apln-2021-17005 Sun Valley Communication Site

Hello: To clarify our height considerations on the above captioned Communication Site, we offered to reduce the height to 120 feet which we could do. However, our concern was generated by the Humboldt County Staff Report on Page 10 attached.

**"The County has previously been supportive of both stealthed and unstealthed facilities that are less than 130 feet tall and include several co-locations."**

We interpreted that information as some suggested guidance on what the County would permit. However, in thinking about this, we searched our records and have listed below tower heights that the County has permitted, and are in current operation, in the past on our sites:. There are other towers in the County not owned by PWM that range from 150 feet to 300 ft.

1. Redwood Fields 140 ft. extendable to 150 ft.
2. Hilfiker Elk River Road 140 ft. extendable to 150 ft.
3. North Bank Road 130 ft.
4. Willow Creek 150 ft.

We are able to accommodate four carriers at 120 ft. However, for the long term, the 130 ft. tower, submitted and contained in the Staff Report with attached information, is preferable for the four carrier design for the four proposed carrier locations and the long term interest of the County to limit the number of towers.

Thank you, Tom

Thomas J. McMurray Jr.  
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obscured by the adjoining warehouses to the east (the tallest structure being approximately 45 ft), trees along roadway edges in various locations, and as a factor of overall distance from the project site. The applicant has provided a photographic simulation analysis that depicts visibility of the proposed tower from several locations in the area (attached to this staff report).

The County has previously been supportive of both stealthed and un-stealthed facilities that are less than 130 feet tall and include several co-locators. It is staff's opinion that the tower should be manufactured or painted so that the color matches the predominant open sky background, either a gray or off-white, to further ensure compliance with the General Plan Chapter 6.5 E and F, which require the stealthing design of towers, use of monopoles or painting to achieve a minimized visual profile in order to assure compatibility with the surrounding area. This is addressed as a condition of project approval.

The County's Telecommunications Element of the General Plan requires an alternative analysis shall be provided at the time of application that documents why the project as proposed is the best way to accomplish project alternatives while minimizing project impacts. In response, the applicant analyzed ten area sites "to assess their compatibility. Six potential locations were identified and did not meet the visual criteria, coverage requirements, were too close to areas used by the public, were not suitable for four carriers, or the landowner was not interested in a Lease. Four existing sites were assessed and were not suitable for four carriers or did not meet the coverage and capacity needs." Details of the analysis are provided as attachments to this staff report. Details of this analysis and area coverage maps are attached to this report. This analysis did not include the proposed New Cingular Wireless facility currently under review.

#### Issue #2: Compliance with FCC RF Exposure Limits

To evaluate possible significant impacts to public exposure from Radio Frequency- Electromagnetic Energy (RF-EME), the County has typically required that applicants show that RF-EME from the facility are within adopted Federal standards. The applicant has noted that "the site will receive a Non-Ionizing Electromagnetic Exposure Analysis and Engineering Certification by a Registered Professional Engineer/ Radio Engineer," and that they would be providing RF-EME studies to the County with each additional wireless provider that utilizes the tower. Included within the project conditions of the approval is a requirement that a cumulative RF analysis be performed addressing each of the four planned wireless provider facilities.