



**COUNTY OF NEVADA
COMMUNITY DEVELOPMENT AGENCY
PLANNING DEPARTMENT**
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(530) 265-1222 FAX (530) 265-9851 <http://www.mynevadacounty.com/CDA>

Sean Powers
Community Development Agency Director

Brian Foss
Planning Director

NEVADA COUNTY BOARD OF SUPERVISORS
Board Agenda Memo #2, Supplemental Information

MEETING DATE: March 13, 2018

TO: Board of Supervisors

FROM: **Brian Foss, Planning Director**

SUBJECT: Attachment 1b., All Written Public Comment Received

Immediately following this memo are the letters sent by Mr. Steve Michelsen, KYRR Radio Broadcast Engineer, and the letter sent by AT&T responding to the issues and concerns presented in Mr. Michelsen's letter. The remaining attached letters were received between November 28, 2017, and February 27, 2018. Many of these letters were attached to documents previously posted. The cause for redundancy is to present all written comments in one place.

Re: PLN17-0073, CUP17-0015, EJS17-0022

To Whom it may concern

The site plan submitted by AT&T is flawed in many ways: In the application the statement "The site lies at an approximate elevation of 3,363.5 feet above mean sea level."

This is incorrect, the site elevation of the proposed tower is actually 3,675 feet, misrepresented in the application by over 300 feet. this means that all the RF engineering on the tower is incorrect and the power levels should be much less if the provided elevation above sea level was accurate.

The site plan submitted is incomplete and should show contour and accurate elevations.

In the application AT&T represents that there are no closer sites

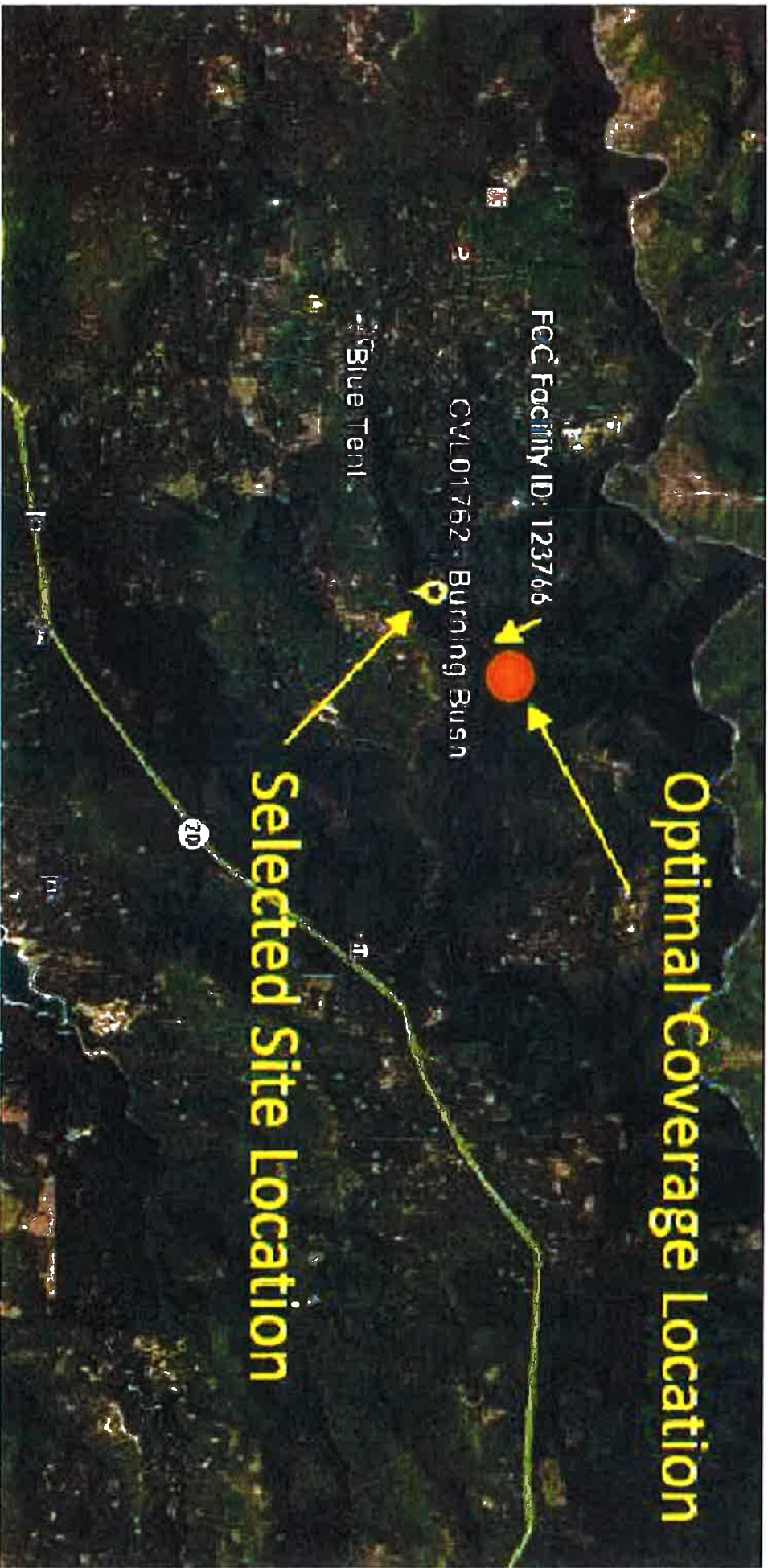
"Site Justification: LUDC Section L-II 3.8.E.1.d restricts towers from being installed within two miles of another tower unless certain screening criteria are met. AT&T's coverage improvement goals are achieved when they are able to locate a cell tower within ¼ to ½ mile from the optimal coverage location (see Figure 8. Service Improvement Objective) with consideration of topography and nearby obstructions. AT&T investigated possible co-location within one-mile increments from the optimal location. They found that the nearest co-location towers, as verified by active FCC and FAA filings, are located in Nevada City on City Hall at 305 Spring Street and the Chamber of Commerce at 200 Coyote St. Both sites are located 5-miles from the proposed location."

"Title 3 Land Use and Development Code, Chapter II: Zoning Regulations, Article 3
Specific Land Uses, Sec. L-II 3.8 Communication Towers and Facilities:

Submit a list of existing towers within the desired service range, information regarding co-location opportunities and evidence of negotiation for co-location on existing towers where such opportunities exist."

"The Board can require the applicant to demonstrate with written documentation that they had examined all facility sites located near said Facility Site, in which applicant has no legal or equitable interest whether by ownership, leasehold or otherwise to determine whether those existing Facility Sites can be used to provide adequate coverage and/or adequate capacity to the surrounding said Facility Site."

In fact, there is a better existing FCC licensed broadcast site within 1500 feet that was never contacted by AT&T for co-location.



Optimal Coverage Location

Selected Site Location

FCC Facility ID: 123786

CVL01762 - Burning Bush

Blue Tent

320

Of special concern is the A array that will saturate the local neighborhood with high levels of RF in the 1.9-2.3 Gigahertz range, a range that is used for many Part 15 devices. The A array is directly focused on the Washington Ridge CYA Camp and residents on Royal Plum, Burning Bush, Barn Hollow, Cooper and Lightning Tree Roads affecting about 30 residences.

AT&T has not provided a mitigation plan for interference to existing Part 15 devices in use in our neighborhood.

A real-world example of interference that would require mitigation is Community Radio Station KYRR 93.3 FM that is located 1,500 feet east of the proposed cell site at the same elevation. The A array is directly focused into the studio. The studio uses a studio to tower link at 2.1 gig, the EAS processor operates at 1.6 Gig, EAS FEMA feed comes in at 850 MHz, Telephone system operates a 1.9 gig, security camera 2.1 gig, Wi-Fi 2.1 gig, and various laptop computers that broadcasters bring into the studio to do shows that bring in WIFI at 1.9-2.3 gig range. The cost to mitigate these potential interference problems are estimated to be between 9 and 12 thousand dollars which is a lot for a small publicly funded community radio station.

The A array of the proposed AT&T Burning Bush tower will impact the EAS system of radio station KYRR and thus impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

EBI Consulting did not submit a complete Radio Frequency RF-EME Compliance Report.

1. It is unknown how far away from the tower the maximum power density will occur. A specific figure for RF radiation at ground level expressed in microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) must be provided. The Report provides data allowing only an approximation of the maximum power density and does not specify at what distance it will occur from the cell tower. Percent of standard metrics do not allow for an actual prediction to be determined. The actual predicted RF power density maximum cannot be determined because the AT&T RF Compliance Report does not provide adequate information to do so. The Report lacks a maximum power density prediction at a given distance from the cell tower, what the maximum power density is in $\mu\text{W}/\text{cm}^2$, and the basis for determining for the uncontrolled public limit at this combination of frequencies and power outputs for each.

2. The maximum Effective Radiated Power at each of the frequencies to be broadcasted needs to be provided (700 MHz, 850 MHz, 1900 MHz, 2300MHz). Since the actual compliance level for MPE will be determined by a calculation that combines each contributing frequency and its proportionate contribution to the overall cumulative RF output, the actual compliance level (in microwatts/cm²) is missing from this Report. If AT&T's consultant does not provide this, it prevents any independent verification of the RF modeling conclusions.

In the AT&T application there are no measures made to mitigate potential interference from the proposed tower. Because there is no information provided on future co-locations mitigation for potential interference from future build-outs must also be taken into account.

The RF Compliance Report for this Project is deficient because co-located build outs permitted under this application are not characterized in the RF Compliance

Report. Missing from the RF report are the Cumulative Projections of RF during the build-out of the two co-location projects. In addition, the Staff Report and all related permit documents state, "The mono-pole communication tower shall be engineered to accommodate a minimum of two (2) additional carriers in addition to AT&T." What is the maximum number of carriers that can be located on the tower? Will the county be approving a permit for AT&T and two co-locators without requiring other applications if more than two co-locators are planned?

The project description indicates future development is being permitted with no assessment of the cumulative RF power density that will reasonably be anticipated with full buildout of the planned project. An RF Compliance Report must be required for the full-buildout of the cell tower (the complete project) that includes co-located carriers.

The following policy applies in the case of an application for a proposed transmitter, facility or modification (not otherwise excluded from performing a routine RF evaluation) that would cause non-compliance at an accessible area previously in compliance. In such a case, it is the responsibility of the applicant to either ensure compliance or submit an EA if emissions from the applicant's transmitter or facility will result in an exposure level at the non-complying area that exceeds 5% of the exposure limits applicable to that transmitter or facility in terms of power density or the square of the electric or magnetic field strength."

The above policy states that the co-locators approved for this Project must be accountable if they contribute in excess of 5% of the exposure limit. The EXISTING first antennas in the Burning Bush Road project produce 5.2% of the exposure limit.

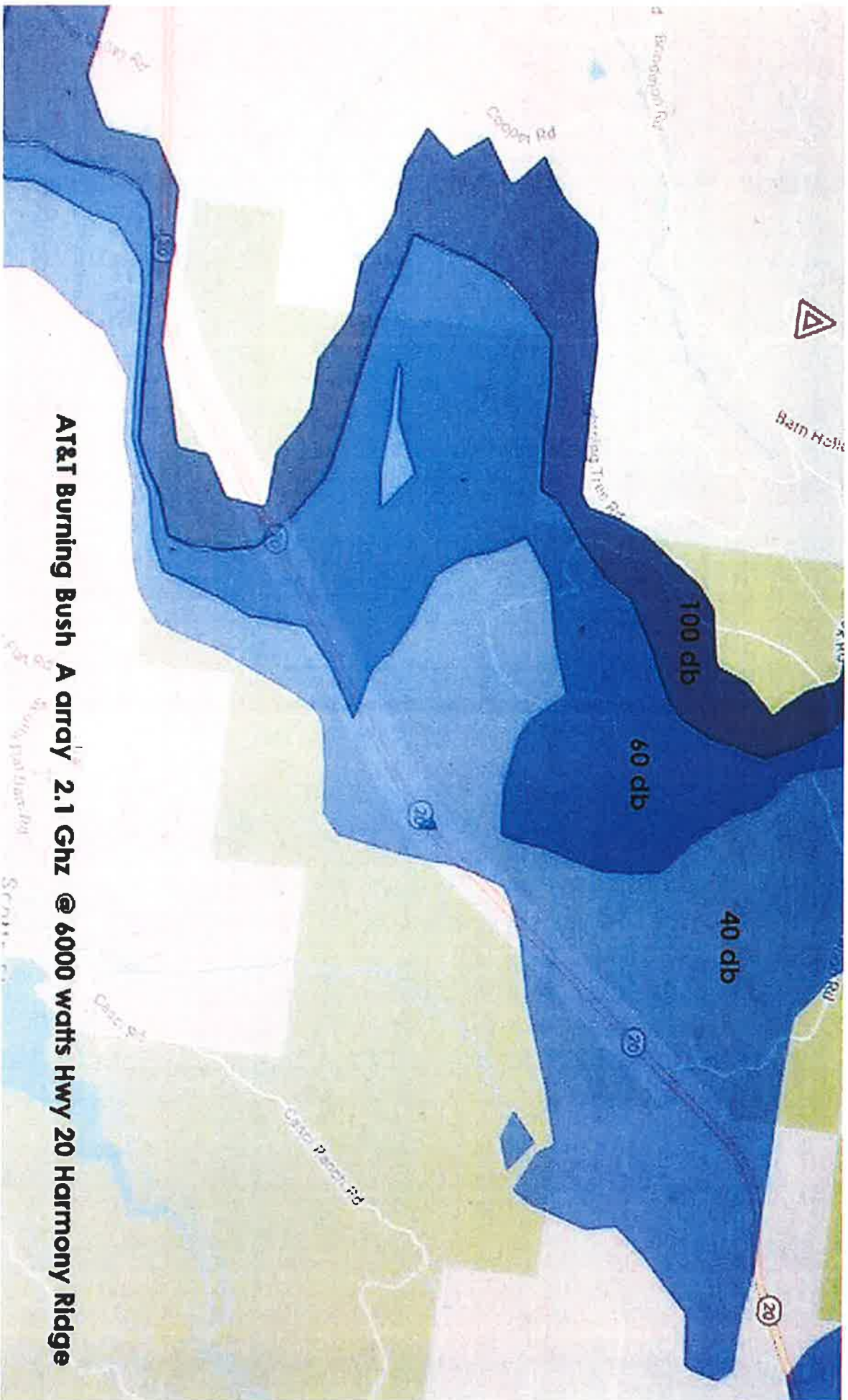
Even with the incorrect information on site elevation being used to justify increased power on the A array the power level on the Hwy 20 corridor would still be less than 60 db, which is less than reliable service, due to several highly forested ridges in between the tower and Hwy 20. This would be especially prominent in the 1.9-2.3 gig range. Economically, the A array makes little sense for the small amount of service it would provide. See enclosed Lonley-Rice study.

The C array is a very different story.

The San Juan Ridge is in dire need of communications infrastructure. Land lines are filled, there is very limited cell phone service and internet. Every year there are accidents on the South Yuba where cell phone coverage could save a life. In the event of a natural disaster, such as fire, cell phone service on the San Juan Ridge would be A+.

It makes no sense to throw the C array under the bus because the A array stinks. If the project is approved the A array should be rejected.

Steve Michelsen, Broadcast Engineer



AT&T Burning Bush A array 2.1 Ghz @ 6000 watts Hwy 20 Harmony Ridge

February 21, 2018

Nevada County
950 Maidu Ave #170
Nevada City CA95959

Dear Nevada Community Development Agency, Board of Supervisors,

After careful review of the concerns made in a letter provided by Mr. Steve Michelsen to the Nevada County, and received by AT&T's office on Friday February 2nd 2018 AT&T would like to offer the following response:

1. The elevations documented in the survey are accurate and complete and were provided and stamped by a licensed land professional surveyor. The comment seems based on a discrepancy between the staff report and the survey but that is because the staff report transposed a 6 as a 3 in the elevation. This typo does not constitute substantial evidence that the elevations in the survey are not accurate. Moreover, Mr. Michelson does not appear to himself be a licensed land surveyor and therefore his comment is not presented as an expert in the field.
2. As to Mr. Michelsen's co-location opportunities, AT&T worked closely with the County of Nevada staff to investigate all available co-location opportunities, including the Radio Station KYRR site situated in proximity to the proposed facility. However, the existing radio station tower is a 25 foot tall wooden pole. This pole is neither sturdy enough nor tall enough to provide any co-location opportunity for AT&T's proposal and equipment. A photograph is attached to this letter to demonstrate the infeasibility of co-location on this pole.
3. AT&T only operates and broadcasts on its own federal licensed and authorized frequencies, therefore no impact will be made on the existing KYRR broadcast tower or any local emergency services frequencies (EAS systems). AT&T is not required to provide mitigation of existing local equipment such as phone lines, computers, and other broadcast frequencies; however, because AT&T only operates at its own federal license and authorized frequencies, no such interference will occur.
4. AT&T has provided an EME report as documented and provided by a licensed professional engineer which meets all federal communication industry standards. The radio frequency will be well below federal limits. The report does state the maximum power density generated by the AT&T antennas is approximately 2.70 percent of the FCC's general public limit. The predicted composite exposure level from all carriers on this site is approximately 8.20 percent of the FCC's general public limit at the nearest walking/working surface to each antenna. Should additional carriers co-locate on the tower, they will be required to obtain their own permits and prepare EME reports that analyze their radio frequency emissions to ensure they are below federal limits.

In addition, the application conforms with the County's Telecommunication Facilities Ordinance and under the Federal Telecommunications Act of 1996 as the site is the "least intrusive means to fill a significant gap" in wireless service and coverage and AT&T considered numerous sites.

Because the application complies with all laws, the Nevada Community Development Agency and Board of Supervisors should approve the application.



Coleen Shade

From: Govinda McComb <govindam@gmail.com>
Sent: Sunday, November 26, 2017 5:00 PM
To: Coleen Shade; Brian Foss
Subject: Regarding Cell Phone Tower on Burning Bush Rd

Dear Brian and Coleen,

I am writing to you today as a resident of Nevada County and very close neighbor to the proposed site of the cell phone tower.

My property and residence is not adjacent to the proposed site, but only one parcel separates us.

I am opposed to the proposed site and have strong concerns about the safety of the tower so close to my home. I have 3 children who's health and safety are my primary responsibility, and I am a steward of this land and so I care about the health of all the living creatures here.

I moved to this home 8 years ago from the Bay Area, and chose this place because of the remote setting away from city life and all that goes with it, including electromagnetic frequencies.

Even though this is not a heavily populated area, there are many neighbors that will be affected by this project. With such an abundance of uninhabited land nearby, I encourage you to find an alternative location away from residences.

I hope you will consider my concerns and not continue progress on this project.

Thank you,

Govinda McComb Bryant
18312 Royal Plum Way, Nevada City
415.246.1085

Coleen Shade

From: Ryan McVay <ryanmc888@gmail.com>
Sent: Monday, November 27, 2017 6:35 PM
To: Brian Foss; Coleen Shade
Subject: Please Support Our Neighborhood

Hello Brian and Coleen,

Please deny the application of a Conditional Use Permit for the cell phone tower at 19406 Burning Bush Rd put forth by AT&T, being represented by Shore 2 Shore Wireless Inc. I recently purchased my land just below this location to raise my family including 3 young children. I specifically chose this area because it was free of the RF and distractions that modern society can have on the youth. We study nutrition, teach dance and art locally, as well own a local business. Our family does not own or watch television as well we try to enjoy the outdoors as much as possible. I know there are many families in the area that are also concerned about the close proximity of RF to our homes and I am with them asking please do not allow this for a singular property owner to bring this in to our area for monetary and person gains. Please reply if you would like to receive any links on the dangers of close proximity cell phone towers...

Thank You,

Ryan McVay

Owner / Artist / Designer
Ellu Gallery
(530) 470-3827

All attached images and written text in this email are
for Ryan McVay's promotional use only

Coleen Shade

From: Barbara Rivenes <brivenes@sbcglobal.net>
Sent: Tuesday, November 28, 2017 4:10 PM
To: Coleen Shade
Subject: Comments on Zoning CUP for PLN1717@-0073 - AT&T cell tower on Burning Bush

November 28, 2017

Re: AT&T cell tower placement on 19406 Burning Bush, Nevada City PLN 17-0073

In speaking with my very distressed daughter-in-law at noon today, I was informed of a Zoning Administrator's hearing on placing a cell tower in close proximity to my grandson's (Alec Giron) property at 19556 Burning Bush, Nevada City. The family was unaware of the application and detailed planning regarding the industrialization of his remote, quiet and generally light free environment. Though the warning letter was sent early last week, the timing was very poor – over a long holiday weekend! The unaware neighbors should be granted an extension to properly prepare comments and concerns about the pending application. The probable/possible delay in notification should have been taken into consideration.

The information on the County's website does not correctly describe the location of the cell tower on the 19406 property (Page 12 Tower setbacks - 640-feet from the eastern property line) and could lead a reader to be misinformed about its actual impact on an adjacent property. We were alarmed at the footprint of the installation and the intrusion into this neighborhood of "off-the-grid" inhabitants who chose to live in that particular environment. It's wrong to thrust this industrial development into a neighborhood without benefit of collaboration and discussion among those directly – and even indirectly affected.

What will neighbors be unknowingly and undemocratically be required to do by AT&T – apart from enduring a 900 square foot cleared fenced area with lights and unwelcome activity?

Has the County received complaints about lack of cell service in this area?

The Federal Communications Act of 1996 has determined that health effects of cell towers are not valid reasons for denying zoning for cell tower or antenna. However, aesthetics and property values DO qualify and I believe that the county was in error when it determined that this installation would not be an impact to the adjacent property owners along Burning Bush in that regard. I will repeat my description of this placement having an industrial impact in a previously quiet rural area – a significant blow to the property values. Living next to a cell tower is not high on anyone's list of desirable attributes for property ownership. Alec's parcel contains his house and he does enjoy the ambience of a peaceful and "off-the-grid" experience and has managed to live comfortably producing his own solar electricity.

I would like to urge the Zoning Administrator to re-evaluate the determination of no adverse impact on the neighborhood and suggest that the cell towers be relocated to another location on the proponents 10 acres to place it where it will not impact their neighbors if they decide to move forward with the project.

Thank you for consideration of my comments,

Barbara Rivenes
108 Bridger Ct
Grass Valley, CA 95945
530-477-7502

Coleen Shade

From: Cynthia Pierce <luddite_2@sbcglobal.net>
Sent: Tuesday, November 28, 2017 4:42 PM
To: Coleen Shade; brian.foss@ca.nevada.ca.us
Subject: Burning Bush cell tower permit proposal

To Colleen Shade and Brian Foss

Re: File No. PLN 17-0073, CUP 17-0015, EIS 17-0022

My name is Cynthia Pierce and I am writing in regard to the proposed cell tower at 19406 Burning Bush. I have lived in Nevada City since 1979 and I have owned the parcel immediately adjoining 19406 since 1990. I initially purchased it not as an investment but for its remoteness and natural beauty, by which I mean its trees and plants and birds and animals, its lack of ambient light and noise, its views in many directions. Since purchase I have also thought often--and still do-- of building a small structure on it and of living there in my retirement.

Over the years I have also owned two other parcels in the immediate area of 19406, another one immediately adjoining it, 19517 Burning Bush (1990 to 2000) which I "re-developed" with a small house, and the other, 19556 Burning Bush (1999-2005) which already had a small house on it. Although I have only held close the prospect of living on Burning Bush, I have over the many years spent a fair amount of time there.

I was alarmed last week to have received in the mail the proposal for a cell tower on the property immediately adjoining mine, in fact within 30 feet of the property line I share with 19406. I was also distressed to see the very short window period for comments, especially for a proposal of such consequence to its many neighbors. It is for these reasons I have undertaken what must perforce be a quick study of the cell tower "issue" generally and of its import to me.

With this letter I am asking first and foremost that any action on this be rescheduled to a later time to permit public review of all applicable issues and documents and to allow the public to make additional comments. Absent that assurance of rescheduling, I am writing a few brief comments, the thrust of which asks that you deny the permit.

My understanding is that you are bound by federal regulations from considering the environmental effects of RF radiation and while I know that introducing that consideration would likely devolve into a debate about regulatory authority and current understanding of the human impacts of RF radiation, I also know that the potential health effects inform some of the other arguments/concerns about the cell tower proposal.

The threat to property values is perhaps foremost among them. As the property owner of land which is within 30 feet of said tower enclosure I not only feel the loss of the land VALUE to me as a potential living site due to health, aesthetic, noise, and other reasons, but its loss of value if I were to sell it. The studies on depreciating land values for properties proximate to cell towers are convincing and are further evidence of the self-same concerns and perceptions of potential buyers.

The tower as currently placed will be in my line of vision each time I approach my property, as it will be for all users of the Burning Bush, and its massive and anomalous appearance for me is more of an annoyance at an unlovely structure and an unwelcome reminder of its potential harm than it is a serious irritation as a "visual pollutant".

While the document addresses the noise levels of the background generator testing and operation, it fails to notify the nearby owners of the noise from the on site air conditioning unit which will run if not continuously throughout the year, then certainly during the summer months. The document does say it will meet county noise standards, which does not

give this owner comfort since apparently leaf blowers and OHVs and chainsaws operate under those same standards. Currently, there is little to no Industrial noise throughout the year.

While the document (p. 49) requires that the permittee protect the structure for 100 feet of fuel treatment or to the property line, it does not address whether adjacent property owners will have to create the additional defensible space beyond the property line if it is under 100 ft., which this one is.

Finally, if neither an extension of hearing nor a denial of the permit is granted, I would like consideration to be given to placing the tower on another location on the owner's property where the impacts would be born by the owner.

Thank you for your attention to this. Of course, I am open to being contacted.

Sincerely,

Cynthia Pierce

Sent from my iPad

Coleen Shade

From: Lisa Reinhardt <lisalureinhardt@gmail.com>
Sent: Tuesday, November 28, 2017 4:47 PM
To: Coleen Shade
Subject: Fwd: Burning Bush Cell Tower

Sent from my iPhone

Begin forwarded message:

From: Lisa Reinhardt <lisalureinhardt@gmail.com>
Date: November 28, 2017 at 3:53:53 PM PST
To: brian.foss@co.nevada.ca.us, colleen.shade@co.nevada.ca.us
Subject: Burning Bush Cell Tower

To Whom It May Concern,

I am writing to express my concerns and opposition to the proposed 130-foot cell tower at Burning Bush Road.

My husband and I bought our property in the Royal Plum area seventeen years ago and built our house, well aware that many of our neighbors lived off-grid with solar (we have grid-tied solar) and valued the peaceful quiet afforded by the surrounding wilderness. We chose this area because it suited our love of the outdoors and we knew it would remain quiet and fairly undeveloped. And, while certain advances have happened and been welcomed like the paving of Cooper Road, the placement of a cell tower on the property directly north of ours feels shockingly out of place amidst our quiet and nature-loving neighborhood. It has come to our awareness this past week after several neighbors also received the county's zoning letter that our fellow-neighbors are also very much concerned.

I have read the full proposed report and while it covers and serves to answer possible problematic areas of concern, the one that is least covered is health concerns. I would say that this is the area of *most* concern to the neighborhood. There is no doubt that there are different lenses to look through when evaluating potential health threats. On the one side the FCC along with all the cell companies stand by their claim that RF energy has mostly no adverse effects. On the other side you have independent scientific studies and tons of empirical evidence to show that again and again, individuals and communities have been affected by everything from altered sleep and serotonin levels to cancer. The bottom line is that there are still too many unanswered questions and grey areas when it comes to the relative safety of living in close proximity to a cell tower. Therefore, my husband and I must err on the side of caution on behalf of our daughter, ourselves, and ALL of our neighbors. We have several families in this neighborhood and we are greatly concerned for all the children who are more sensitive to environmental factors while still developing. If there is any reason to err on the side of caution it should be to protect our children from what could be potentially destructive or disastrous to their developing bodies.

In our opinion, while many of us would certainly appreciate better cell and internet service, there is absolutely no reason to place a cell tower in a populated neighborhood. There has got to be a better, safer location for this proposed tower.

We understand from our neighbors Pamela and Rob that they pursued having a tower so that they could have power brought to their property. We have let them know that while we don't feel comfortable with a cell tower and we will also support the majority of fellow neighbors who don't want a tower nearby, we would be very

happy to work with them in their goal to bring power to their home. We are happy to grant an easement for power access and explore options with them that may make it more affordable.

We hope that the Zoning Administrators will hear our plea and agree that one homeowner's desire for PG&E power is absolutely no justification for a cell tower in a residential neighborhood where nobody wants it. Let us instead, come together as a unified community and make decisions that will benefit the greater whole and hopefully satisfy everyone's needs.

Thank you for your time.

Sincerely,

Lisa Reinhardt

Coleen Shade

From: Emily Rivenes <emily.rivenes@att.net>
Sent: Tuesday, November 28, 2017 4:54 PM
To: Coleen Shade; Brian Foss
Subject: Conditional Use Permit PLN1717@-0073

Dear Brian & Coleen:

I am a co-owner of a parcel on Burning Bush just a few hundred feet from the proposed project site. I am very opposed, and quite concerned about the potential approval of the project and ensuing installation a cell phone tower in the area.

As a real estate agent, I'm acutely aware of the impact perceptions have on the desirability of a property. In my professional opinion, I'm quite sure that the installation of a cell tower within even a few miles, let alone next door, would have a dramatic and negative impact on the marketability of nearby properties. Many buyers would downright refuse to live next to a tower, and this alone reduces the pool of potential buyers thereby devaluing the property. Whether or not health concerns are a real risk is not the issue in the case of price devaluation, it's only the perception that will determine whether or not a buyer will demand a price reduction to compensate for the perceived threat, or even be willing to consider buying in a nearby location. Additionally, with the increased risk of fire in an already extremely high danger zone, and the recent decline of insurance carriers willing to write policies in the area, nearby property owners could quite probably come up against having their hazard insurance policies cancelled and become unable to obtain new policies for hazard insurance. In this case our properties would be worth practically nothing.

Perception is not only a consideration in the property valuation, but in other factors including health effects. I may not know for a fact that proximity to cell towers have a negative health impact, but I am certainly not willing to live next door to one. Nor am I permitting my son and potential grandchildren to be the Guinea pigs in this experiment of new technology. If there is any chance that there could be such severe impacts, this tower should not be installed.

Much of the reason we bought property in this area was to live off-grid. It's hard to explain the peacefulness of the top of Burning Bush, but when you're there it's as if there's actually peace in the world and you're in the middle of it. I'm quite upset that one individual neighbor has decided upon her own, and for solely her own financial benefit, that the rest of the neighborhood will have to deal with the noise of installation, the ongoing sound of generators running for multiple hours per week every week for 20+ years. There's also the possibility that it will be lighting up the night sky, and who knows what other intrusions the cell phone companies will include in their contracts. Not to mention imposing potentially very serious health hazards upon her neighbors.

Please do not approve this project. As residents of the neighborhood, we should have a say in determining what conditional uses we would permit. This must be the reason that the neighbors have to be notified and why there is a public hearing being held on the subject.

Also, please note my displeasure that the notification letter was sent just in time to arrive prior to a 4 day holiday weekend. The neighbors have had only had 2-3 business days notice to look into this very complex matter. We have had no time to do the research and have the discussions we need in order to come appropriately prepared to either support or oppose this project. As a neighborhood, we at least need the chance to get together and talk amongst ourselves and the property owner. Please at least postpone the verdict until we've had a fair amount of time to gather our thoughts.

Thank you for your consideration,
Emily

Emily Rivenes, MS, CPA, CFP®
CA Real Estate License # 01791107
Nevada County Properties
431 Broad Street,
Nevada City, CA 95959
Emily.rivenes@att.net
(530) 913-7316 (cell)
(530) 265-3316 (home office)

Coleen Shade

From: Johanna Finney <johannafinney@gmail.com>
Sent: Tuesday, November 28, 2017 5:48 PM
To: Coleen Shade; Brian Foss
Subject: Public Statement re: Public Hearing for File No. PLN17-0073, CUP17-0015, EIS17-0022
Attachments: Public Statement by Johanna Finney PLN17-0073.pdf; 2017-0905-SB649-Experts-Worldwide-Opposition-Letter.pdf; Impact-of-Cell-Towers-on-House-Prices.pdf; Real Estate Survey.pdf; SutroTowerCellTowerEMF2.ppt; Property-devaluation-cell-towers.pdf; Austrian Cell Tower Study copy.pdf; SantiniLetter.pdf; Japanese-Cell Tower Study-2014-Significant-Decrease-of-Clinical-Symptoms-after-Mobile-Phone-Base-Station-Removal.pdf; Bavaria_Cell_tower_study.pdf; Belo Horizonte, Brazil Cell Tower.pdf; Sun City Bomb Blast.jpeg; Santini Color Slide.jpeg

Please enter all attachments into the record and confirm receipt.

Date: 11/28/17

From: Johanna Finney, owner of residence 19517 Burning Bush Road, Nevada City, CA 95959

To: Nevada County Zoning Administrator Brian Foss (brian.foss@co.nevada.ca.us) and Senior Planner Coleen Shade (coleen.shade@co.nevada.ca.us).

Regarding: A conditional Use Permit proposing the construction/installation of an unmanned 130-foot tall mono-pine telecommunication tower and equipment facility at 19406 Burning Bush Rd put forth by AT&T, being represented by Shore 2 Shore Wireless Inc. to be held on Wed. 11/29 at 2 at 950 Maidu Ave in Board Chambers of Eric Rood Admin Center. File No. PLN17-0073, CUP17-0015, EIS17-0022. Applicant: AT&T Mobility dba AT&T Wireless. Owner: Pamela Swartz

My name is Johanna Finney and my residence is the nearest to this proposed mono-tower site, 450 feet away. The location is 19517 Burning Bush Road, Nevada City, CA.

I am opposed to the construction of the tower and am asking the Zoning Authority to deny the application based on the following:

1. **Property Devaluation:** There have been studies showing that buyers do not want to buy property located near a tower, and the selling price of the property drops significantly if the property is

sold. In one survey completed by the National Institute for Science, Law & Public Policy (NISLAPP), 1000 buyers were surveyed and, "An overwhelming 94 percent of home buyers and renters surveyed by NISLAPP say they are less interested and would pay less for a property located near a cell tower or antenna." Another study combined a survey with post-sale pricing data, that the sale price dropped an average of 21%. Both of these studies and other references as to property devaluation are attached to this statement to be entered into the record of public hearing for this matter.

1. <https://takebackyourpower.net/real-estate-survey-results-cellgrid-towers-impact-property-desirability/>
2. <https://www.emfanalysis.com/property-values-declining-cell-towers/> -

As the nearest property owner, just 450 feet from this proposed tower, this is a grave issue of concern to me. I feel it threatens the value of my asset and the property value of neighboring properties. I'm concerned that this issue may open Pamela Swartz to liability by sellers in the area should devaluation occur or difficulty selling the property ensue due to the proximity of the tower. And if she wants to sell her property, she may also have to encounter a loss in property value or increased difficulty finding a buyer.

I am asking the Nevada County Zoning Authority today if Ms. Swartz was given this information by AT&T, Shore2Shore, and the County about this financial risk? If not, I put forth that they have been misleading. **In fact, I am initiating a California Public Records Act request that any and all emails, letters and telephone notes from Shore2Shore and/or ATT to the Nevada County Planning Commission, Zoning Authority and/or any other County Official be released immediately.**

I also require that I be provided with the printed policy that the 7-day notice of public hearing is all that is required when it comes to zoning for cell phone towers. Note, that this letter was mailed on 11/17/17, a Friday. I and other adjacent property holders only received that letter in the afternoon of Tuesday 11/21. I had one day to speak with your office, Wednesday 11/22, before your office was closed for two days due to Thanksgiving. When I asked Ms. Shade on 11/22 if she would be available to talk on Monday 11/27, she said yes. I left a message for her at 9 am on Monday 11/27. She did not return my call until Tuesday 11/28 at 8:24 am. So essentially, I have had only TWO days to communicate with your office on an issue that could impact our entire neighborhood for decades. Is that the policy of your office, to provide such limited time to communicate on these issues? And why is it the policy of this office not to post something in the community affected. The fact that not one of my neighbors knew about this application or hearing is an appalling and dramatic failure of your county office to represent and serve us.

2. **Aesthetics** – In the Impact Discussion regarding Aesthetics, the Staff Report states that the Aesthetics will have less than significant impact. I completely disagree, and I put forth that the bottom photo of Figure 4 on page 8 of the ZA Staff Report provided as a simulation of what the tower will look like from Burning Bush Road is misleading, not accurate, is deceptive and not representative of the view. How is it that the simulated photo shows a mono-tower that is at the same height as the surrounding trees, when in fact, on page 7 of the Staff Comment in the ZA Staff Report it states that the "the top of the proposed 130-foot mono-pine would be at approximately 3,493 feet elevation, and tree-top elevation of the surrounding cedars and pines ranges from 3,428 to 3,464 (and adjacent trees range from 65' to 100'." I ask that this application be denied on the basis of misleading and deceptive information from the applicant. The same is true regarding Figure 5. The simulation shows a tower at the same height as the surrounding trees. This will have Significant Impact on Aesthetics

when the top of the tower can be very easily seen coming out 30 to 60 feet higher than the surrounding trees.

I am submitting at the hearing a photo taken from my deck. Looking toward the proposed site, I can see the end of the drive way of the proposed site. When I look above that, I will clearly see the tower above the trees. This destroys my view. I bought this property, as many others did in the community with a desire to be in nature. Now, imagine what it's like for me, who purchased this home to be surrounded by REAL trees, not fake mono-towers that extend 30-60 feet beyond the tree line, to now have an unwanted cell tower installed within my view when I drive up the road, walk out of my home or out onto my deck? This tower will destroy my view of nature, devalue my property, and I am asking the Zoning Authority to deny this application based on false finding of Less Than Significant Impact on Aesthetics in the existing setting. In fact, the proposed project would a) have significant Impact and result in demonstrable, negative, aesthetic effects on scenic vistas and views open to the public, and c) Substantially degrade the existing visual character and quality of the site and its surroundings. Deny this application based on the Federal Communications Act of 1996 mandating the County with the authority deny this permit application for a cell tower based on aesthetics.

3. Misleading or Omitted Information: In my discussion with Pamela Swartz on both Tuesday Nov. 21, 2017 and again Monday 11/27/17, she expressed to me that she is under the impression that, as the property owner leasing to AT&T, she has the authority and ability to decide whether another telecommunications company can come in to fill the two co-located spots that are written into the plan. I have urged her to check that thoroughly, because as I understood it from my discussion last week on Wednesday, Nov. 22., 2017 with the Zoning Authority's Senior Planner Coleen Shade, those companies will go in once the conditional use permit and building permits are approved at the discretion of AT&T. If this information was not clear to Ms. Swartz, then I am asking for a denial on the permit based on withholding or misleading information.

In addition, Ms. Swartz was under the impression that at the five-year mark of the contract that if she, the property owner, wants AT&T to remove the tower, that she has that authority. It is my understanding that typically the decision to renew or decline renewal of the 5-year lease is done at the sole discretion of AT&T. And if this contract is a typical 5-year contract that can get renewed 5 times – Ms. Swartz is facing a 25-year lease that they she cannot stop. Again, if this information was not clearly presented to Ms. Swartz, then I am asking for a denial based on withholding or misleading information.

4. Liability: Was it shared by the County, Shore2Shore, or AT&T with Ms. Swartz that global telecommunications industry underwriters such as Lloyd's of London are excluding radio frequency injury coverage? While RF levels of safety are not at issue here for this discussion, I am inquiring as to whether disclosure was made in this application and contract with Ms. Swartz of the incredible potential liability risk to the lease holder. The ramifications of insurance firms excluding RF coverage are considerable.

Excerpts from statements in AT&T 2016 Annual Report that indicate they are informing their shareholders that they may incur financial losses related to electromagnetic fields: "Unfavorable litigation or governmental investigation results could require us to pay significant amounts or lead to onerous operating procedures... We are subject to a number of lawsuits both in the United States and in foreign countries, including, at any particular time, claims relating to antitrust; patent infringement; wage and hour; personal injury; customer privacy violations; regulatory proceedings; and selling and collection practices. We also spend substantial resources complying with various government standards, which may entail related investigations and litigation. In the wireless area,

we also face current and potential litigation relating to alleged adverse health effects on customers or employees who use such technologies including, for example, wireless devices. We may incur significant expenses defending such suits or government charges and may be required to pay amounts or otherwise change our operations in ways that could materially adversely affect our operations or financial results."

www.att.com/Investor/ATT_Annual/2016/downloads/att_ar2016_completeannualreport.pdf

In addition, Verizon's ANNUAL REPORT also Warns Investors:

"We are subject to a significant amount of litigation, which could require us to pay significant damages or settlements. ...our wireless business also faces personal injury and consumer class action lawsuits relating to alleged health effects of wireless phones or radio frequency transmitters, and class action lawsuits that challenge marketing practices and disclosures relating to alleged adverse health effects of handheld wireless phones. We may incur significant expenses in defending these lawsuits. In addition, we may be required to pay significant awards or settlements."

verizon.api.edgaronline.com/EFX_dll/EdgarPro.dll?FetchFilingConvPDF1?SessionID=Do59qmn_u0wVq_T&ID=11871260

The potential connection between radio frequency emissions and certain negative health effects, including some forms of cancer, and has been the subject of substantial study by the scientific community in recent years. AT&T cannot guarantee that claims relating to radio frequency emissions will not arise on or around the proposed site. If a connection between radio frequency emissions and possible negative health effects is established, these companies currently do not maintain any significant insurance with respect to these matters.

Was this potential lease holder, Ms. Swartz, given this information? Without adequate insurance, the risk to the property owners far outweighs the lease revenue they receive. A single uninsured RF injury claim can wipe out years of lease revenue and expose the property owner to expensive litigation costs. **Brian Foss, I am asking you to deny the application based on non-disclosure of liability risks.**

5. **Health Risks:** While it is understood that the county cannot speak to the safety levels of RF set forth by the FCC, I am attaching multiple studies that show that indeed harmful effects are occurring at lower levels than what is approved. This is a HUGE concern of mine and my surrounding neighbors. AT&T, Pamela Swartz and Nevada County are putting us all at increased risk for multiple health risks and potential death, and opening Ms. Swartz to liability claims. .

Submitted by Johanna Finney 11/28/17 via email to Coleen Shade and Brian Foss.

1

Date: 11/29/17

From ReINETTE Senum, 662 East Broad St., Nevada City, CA 95959

To: Nevada County Zoning Administrator Brian Foss
(brian.foss@co.nevada.ca.us); and Senior Planner Coleen Shade
(coleen.shade@co.nevada.ca.us).

Regarding: A conditional Use Permit proposing the construction/installation of an unmanned 130-foot tall mono-pine telecommunication tower and equipment facility at 19406 Burning Bush Rd put forth by AT&T, being represented by Shore 2 Shore Wireless Inc..

File Nos. PLN17-0073, CUP17-0015, EIS17-0022. Applicant: AT&T Mobility dba AT&T Wireless. Owner: Pamela Swartz

Dear Mr. Brian Foss & Ms. Coleen Shade,

Myself and many other community members feel it imperative to warn the property owners currently considering the cell tower installations on 19406 Burning Bush Rd, Nevada City. We believe AT&T may not have been completely forthcoming in explaining the hidden risks in this cell tower installation.

We want to ensure that they know that in 2012 global insurers, such as Lloyd's of London, began excluding RF Exposure Coverage based upon their forecast of substantial future Radio Frequency injury claims.

Subsequently, the telecom industry giants, such as Verizon, AT&T, and Comcast, responded to this announcement by warning their investors; *"Unfavorable litigation... could require us to pay significant amounts" and that "We are subject to a number of lawsuits both in the United States and in foreign countries..."*

This is why we are here today: Because of this incredible liability, the telecom industry has cleverly externalized their risks onto the property owner. The County of Nevada, as well, prefers this scenario because this too clears them of any wrongdoing in case of property or RF injury claims, including loss of property values, a trend that has now become

synonymous with cell towers.

In spite of what AT&T is telling the applicants, they will be required to accept two additional co-locations from additional wireless companies; meaning the power density will only *increase* three-fold over time.

They are also vulnerable to lawsuit in case of damage caused by these cell towers' 54 gallon diesel tank during storm or fire.

Again, in these cases they will not be insured.

They may also like to know that it is very unlikely they will be able to opt-out after five years in spite of what the telecom reps tell them. The telecom industry rarely invests in equipment that they don't plan on utilizing for at least 20-25 years. They need to read the fine print.

Lastly, your decision as a county is forcing all surrounding neighbors to bear all the risk with very little gain beyond an increased signal. Are you, as county officials, truly comfortable with this?

Ultimately, for their own sake, we hope they will understand that whatever gain they make monetarily today they will lose in litigation tomorrow.

By consenting to these cell towers they consent to massive liability. Do you think this is really what they want to sign up for?

Because of the burden of liability and risk upon the property owner, we kindly request that the county think twice before approving this application for the sake of the property owner.

Most Sincerely,

Reinette Senum
662 East Broad St.,
Nevada City, CA 95959

Date: 11/28/17

From: Don Rivenes 108 Bridger Ct Grass Valley, CA 95945

To: Nevada County Zoning Administrator Brian Foss (brian.foss@co.nevada.ca.us) and Senior Planner Coleen Shade (coleen.shade@co.nevada.ca.us).

Regarding: A conditional Use Permit at 19406 Burning Bush Rd

I am opposed to the construction of the tower as is proposed and am asking the Zoning Authority to deny the application today based on the following:

1. Location of the tower

To mitigate the impacts of climate change, communities in the Sierra have been passing resolutions for 100% renewable electricity and energy. Nevada City has passed such a resolution, and Truckee passed one yesterday. Folks in the Burning Bush area have opted to be off the fossil fuel grid by installing solar panels. It is therefore somewhat ironic that this proposal calls for new fossil fuel uses with diesel generators to be installed along with a 500 gallon propane tank. The proposal would be more acceptable if the source of power and backup came from solar energy.

It would be also more acceptable if its location was not right at the property line nearest existing houses. For example, the Golden Bear proposal is on a 40 acre parcel, and does not have this conflict.

2. Inadequate mitigation of biological resource impacts

Each of the three permits discussed today refer to biological inventories as follows: "The Biological Inventory (Beedy, 2017) prepared for the project site found no state or federally listed threatened or endangered plant or animal species or any other special status species are expected to occur due to the absence of suitable habitat".

However, the project site can potentially contain suitable habitat for nesting birds which are protected by the Migratory Bird Treaty Act (MBTA). The following mitigation was included in the other permit sites, and must be included here. "If construction activities will occur during non-breeding season (September 1- January 31), a survey is not required and no further studies are required. If construction activities will occur during the nesting season (February 1- August 31), a pre-construction survey shall be required. The survey shall be conducted by a qualified biologist no more than 14 days prior to the onset of construction activities. If construction does not commence within 14 days of the pre-construction survey, or halts for more than 14 days, an additional survey is required prior to starting work. If active nests are found on or within 500 feet of the site, disturbance or removal of the nest shall be avoided until the young have fledged and the nest is no longer active. The project biologist shall recommend a buffer based on the species, site conditions, and the proposed construction activities near the active nest, and the sighting shall be reported to California Department of Fish and Wildlife and the California Natural Diversity Database. Typically, a 500-foot buffer is recommended for raptor nests, and smaller buffers are recommended for other species."

Don Rivenes
Grass Valley CA

The FCC, American Cancer Society and the World Health Organization **Have All Concluded That There Are No Known Health Concerns Related to Cell Sites RF Exposure**

There are no known adverse health effects from cell sites and no health risks to the general public have been shown.



- Cellular carriers and tower companies are required to build and maintain all cell phone towers and antennas in accordance with FCC guidelines for human exposure to radiofrequency (RF) fields.

- The energy from cell phone tower antennas decreases with distance. As a result, normal ground-level exposure is much lower than if a person was close to the antenna.

- The FCC has pointed out that the possibilities are remote that a person could be exposed to RF levels that are harmful. See "Can People Be Exposed to Levels of Radiofrequency Radiation That Could Be Harmful?" at: <https://www.fcc.gov/engineering-technology/electromagnetic-compatibility-division/radio-frequency-safety/faq/rf-safety/#Q6>

- At a typical cell site, ground level exposure is actually well below the FCC's limits.
- When posed with the notion that a cell phone tower might increase the risk of cancer or other health problems, the American Cancer Society (ACS) stated, "...there is very little evidence to support this idea." See "Do cellular phone towers cause cancer?" at: <http://www.cancer.org/cancer/cancercauses/othercarcinogens/athome/cellulair-phone-towers>
- Furthermore, the World Health Organization (WHO) echoes these findings by stating, "Over the past 15 years, studies examining a potential relationship between RF transmitters and cancer have been published. These studies have not provided evidence that RF exposure from the transmitters increases the risk of cancer." See "Electromagnetic fields and public health," at: <http://www.who.int/peh-emf/publications/facts/fs304/en/>

Tine Mathiasen

From: Antje Dormeyer <ant65je@icloud.com>
Sent: Friday, January 05, 2018 9:47 AM
To: Carl@S2Swireless.com
Subject: Cell phone tower

I, Antje Dormeyer do support the cell phone tower at Pamela Swartz's property if it increases our cellphone and internet quality dramatically.

It would be an improvement to the whole neighborhood

Sent from my iPhone

Tine Mathiasen

From: Marie Blix <mblix51@gmail.com>
Sent: Friday, January 05, 2018 10:12 PM
To: Carl@S2SWireless.com
Subject: Cell phone tower on Burning Bush

Hello Carl.

I live on Blue Ridge Rd right off of Blue Tent School Rd. I am a widow and live alone. The prospect of having a cell phone tower in our surrounding neighborhood is a very comforting thought. With all the fires and disasters happening it would be very comforting to know I could use my cell when power is out and to have decent Internet connection. Please please let this project go through. I have lived here for almost 30 years and have been waiting for such a precious gift. Thank you for listening!

Sent from my iPhone=

Tine Mathiasen

From: Henriette Bruun <hbruun0@gmail.com>
Sent: Friday, January 05, 2018 7:37 PM
To: carl@s2swireless.com
Subject: Cell Tower on Burning Bush Rd, NV, Ca.

To whom this may concern.

I am writing you in support of the proposed cell tower project on Burning Bush Road. As an avid horse rider and mountain biker, it is imperative to have cell service for safety reason and at present this is very spotty for our neighborhood. Also having better cell service for emergencies and fire in the area would be amazing. I live only 1 mile away from Burning Bush and this cell tower will impact my life in an extremely positive way and I fully support the completion of the project.

Sincerely
Henriette Bruun
19844 Cooper Rd.
NV, Ca 95959

Sent from my iPad=

Tine Mathiasen

From: bluetentschool <bluetentschool@yahoo.com>
Sent: Friday, January 05, 2018 10:20 PM
To: Carl@S2SWireless.com
Subject: Cell Tower on Burning Bush

We live on Blue Tent School Road and have AT&T internet service and it needs improvement. We approve of a cell tower on Burning Bush.

Tom & Deni Dax
18273 Blue Tent School Road
Nevada City
265-8166

Sent via the Samsung Galaxy S7 active, an AT&T 4G LTE smartphone

Tine Mathiasen

From: Phil Summers <p.summers9@gmail.com>
Sent: Friday, January 05, 2018 11:34 AM
To: Carl Jones
Subject: Support for Proposed Cell Tower on Burning Bush Rd.

I am a neighbor to this property living on Cooper rd. I fully support the proposed cell tower project. A cell tower is essential to improve public safety and fire preparedness.

sincerely

--

Phil Summers
530-574-4172

Tine Mathiasen

From: Christo Michaelides <olivebranch2006@yahoo.com>
Sent: Friday, January 05, 2018 10:21 PM
To: carl@s2swireless.com
Subject: Burning Bush Road Cell Tower Project

Hello Carl,

I am a neighbor and friend of Pamela Schwartz. We spoke this evening about the proposed cell tower and I understand you are going in front of our planning board for final approval.

My name is Christo Michaelides and I live at 18319 Blue Tent School Road, Nevada City CA 95959. My cell phone is 925-724-6997. I work for AMS.NET, a Cisco Systems authorized networking integrator. I work from home as a networking engineer in our Managed Services division. My Wife and our three children have lived here for five years now.

I completely support the proposed cell phone tower. We are in a dead zone and the only way my cell phone works is by out network extender which creates a small micro cell in the home. Verizon, AT&T, and TMobile are all not available on our street. It only works by carrying cell phone calls and data over our AT&T DSL internet. It barely works in the house and is not reliable. It also slows down our DSL service which is slow as it is.

Our internet service has had issues and AT&T is no longer investing in upgrading the internet services in our area. In fact, when anyone sells their home or cancel DSL internet, AT&T is refusing to transfer or activate new service. There are no other internet providers available either.

If a cell tower is installed we could have a better option with high speed wireless internet being available. I work from home and would tremendously appreciate a better internet connection.

Thank you for all of your efforts,

Christo Michaelides

Tine Mathiasen

From: Meg <mcurry8626@aol.com>
Sent: Saturday, January 06, 2018 7:05 AM
To: Carl@S2SWireless.com
Subject: New Cell Phone Tower - AT&T

Good morning, Carl:

I received an email from Marie Blix this morning regarding the proposed cell phone tower on Burning Bush Road, and that you were looking for input to take to the meeting on January 9th. I live on Nubian Way, and am part of the Blue Tent School yahoo group. I am in favor of having the cell phone tower placed in this area. We need better cell phone service that which has been provided by AT&T, which in my area has been no service at all.

Many thanks. If you need any further information, please don't hesitate to email me.

Margaret Curry

Sent from Mail for Windows 10

Tine Mathiasen

From: Kathie Michaelides <kathiedirect@yahoo.com>
Sent: Saturday, January 06, 2018 7:42 AM
To: carl@s2swireless.com
Subject: Burning Bush project

Hi Carl.

I am in support of the burning bush road project. I hope it is approved and can move forward. I live at 18319 Blue Tent School Rd and our cell reception is almost non existent. The internet is also horrible. Just because we live in rural area doesn't mean we shouldn't have the same amenities as people who live in more populated areas.

Thanks you!

-Kathie Michaelides

Tine Mathiasen

From: Karen Holt <bluetent@att.net>
Sent: Saturday, January 06, 2018 9:14 AM
To: carl@s2swireless.com
Cc: bluetent@att.net
Subject: AT&T cell phone towers

Hi, Carl. I am a property owner on Blue Tent School Road in Nevada City, California, and would like to express my vote in favor of building a cell phone tower on Burning Bush Road. Thank you.

Karen Holt

Tine Mathiasen

From: Gary Brown <gbrown1067@sbcglobal.net>
Sent: Saturday, January 06, 2018 9:39 AM
To: Carl@S2SWireless.com
Subject: cell phone tower on Burning Bush

Hello Carl,

My name is Gary Brown and I want to be heard in favor for the Burning Bush cell project. My wife and I constantly are going up to Blue Tent School road to visit our Grand Babies, Daughter and Son in Law. Many times we babysit there and there is minimal service if any on the way there and back to our home in Nevada City. I often wonder when driving back to our home in the dark what happens if we break down on the road. When we get to our daughters home they have some type of box we tie into but the service is marginal. IF power goes out they have no service. And the internet service is marginal to say the least and now ATT is not adding new hook up's in there area and ours also.

WE need this enhanced coverage.

Gary Brown 530 478 1428

Tine Mathiasen

From: DEL CLEMENT <delclement@comcast.net>
Sent: Saturday, January 06, 2018 9:59 AM
To: Carl@S2Swireless.com
Cc: rcrockett@ledametrix.com
Subject: Cell Tower Near Cooper Road

Carl:

I was contacted by Robert Crockett about the upcoming appeal hearing regarding a proposed cell tower near Cooper Road previously approved by the County. I am a volunteer member of the Nevada County Sheriff's Search & Rescue team and have been for the last 17 years.

Having a cell phone coverage in our county has resulted in many lives saved. Calling 911 gives us the location of the person calling and as a result we can get to the lost or injured party in a very short time. Otherwise our search for the person could go on for days as we try to search the areas where the person was last seen and where they might have traveled. Having cell phone coverage also adds a huge safety factor for our searchers. Even though we have a radio system throughout the county, there are many areas where it is ineffective. One of those areas is the South Yuba River where we typically have several calls each year for injured or missing people. Searching along the river is very hazardous and even more so during the night when most of our calls for service come. Having cell phone coverage along the river would mitigate some of the hazards as we would know exactly where to respond.

I am not familiar with the statistics from our fire service agencies, but I'm sure having cell phone coverage in the area would increase their response time.

The area along the South Yuba where the proposed system would add coverage is a highly used area by the public and as a result gets many calls for service by our emergency response agencies.

I personally support the installation of cell towers in the area in question as it brings service to the underserved rural area of our county and in addition will result in lives saved.

Del Clement

Volunteer Coordinator

Nevada County Sheriff's Search & Rescue

Tine Mathiasen

From: David Hanson <davidshanson3@gmail.com>
Sent: Saturday, January 06, 2018 10:49 AM
To: Carl Jones
Subject: Support For Cell Tower On Burning Bush Road Nevada City.

Dear Mr. Jones:

I am writing you today to express my full support for a cell tower to be constructed on Burning Bush Road in Nevada City, CA.

I have been a resident of Nevada County over 20 years and live on Arbogast Ranch Road, less then a mile from the proposed cell site.

Cell service in our neighborhood is either completely not available or very, very spotty at best.

Since we are prone to lose our land service frequently, having cell service would dramatically improve our ability to communicate with others, especially in time of emergencies.

As an elected official in the County involved in emergency fire and medical services for many years, I can assure you that anything that would improve communication between our 911 dispatchers and our constituents would be a major step forward for the County.

Consequently, I fully support having a new cell tower on Burning Bush Road.

Sincerely,

David Hanson
11733 Arbogast Ranch Road
Nevada City, CA 95959
530-478-1339

Tine Mathiasen

From: Andrew Walls <atwalls@gmail.com>
Sent: Saturday, January 06, 2018 10:26 AM
To: carl@s2swireless.com
Subject: AT&T Tower Support

Marie Blix mentioned that you are collecting feedback about the proposed tower on Burning Bush. I heartily support the tower and have written to the planning department to voice that support. The email I sent to Planning is provided below.

Thank you stepping up to represent us at the upcoming hearing.

I was disappointed to see the appeal filed against the approved AT&T cell tower for Burning Bush. I was unable to attend the public meeting that discussed the three towers proposed for the county.

We live on Blue Ridge Road, approximately 0.5 miles from the proposed tower on Burning Bush and we heartily and enthusiastically support the placement of a tower on the ridge. I realize that you must now go through a formal process in response to the appeal; however, please keep in mind that many of the residents in the area really, really want improvements in cell services.

To give you a sense of how important this improvement is to the residents, you might remember the major snowstorm we had ~5 years ago on Thanksgiving weekend. The storm knocked out power all over the place and everyone out here had no power for 7-9 days. As a result of the sustained outage, the local AT&T landline POP went dark and no one had landline connectivity for voice or data connections. As a result, our neighbors walked up Blue Ridge to our house (600 foot elevation gain) so they could access a 1 bar connection to AT&T towers on Banner. If someone had a medical emergency, this was the only way for them to call for help. The same situation persists down at Edward's Crossing. As a member of the Sheriff's Search and Rescue team, I am well aware of the significant delays involved in calls for help from the Yuba. Lives are lost and injuries made more severe due to the weak connectivity in the river canyon. A tower on the ridge would go a long way to remedying this dangerous situation.

If there is anyway in which I could help support the placement of a tower to improvement cell service in our area, please let me know.

Best of luck with the appeal!

--

Andrew Walls
atwalls@gmail.com
[+15302646290](tel:+15302646290)

Sent from a small keyboard

Tine Mathiasen

From: Martina Muehlegger <muehlegm@hotmail.com>
Sent: Saturday, January 06, 2018 11:30 AM
To: Carl@S2SWireless.com
Subject: Cell tower on burning bush

My husband and I live on Douglas Rd out N. Bloomfield. We are in favor of anything that would help improve cell reception and allow us access to internet. Even with a booster cell reception is currently patchy at best and we currently do not have internet at our home due to lack of availability.

With such limited service, I worry about what would happen in any fire or life threatening event. We are signed up for code red but given that half the time calls don't come through due to lack of reception, would it give us any warning? I think anything that can improve the situation is crucial for the safety of the community.

Thank you,

Martina Muehlegger
Kyle Kjoller
18125 Douglas Rd
Nevada City CA
95959

Tine Mathiasen

From: Linda Taylor <linda@taylorcg.biz>
Sent: Saturday, January 06, 2018 12:03 PM
To: Carl@s2swireless.com
Subject: Burning Bush Phone Tower

Carl,

I urge the Board of Supervisors to move forward with the cell phone tower project on Burning Bush Rd. I own a house on North Bloomfield Rd a few miles from this proposed cell phone tower. I do not have cell phone coverage on my property. I am a Senior Citizen; I rely on AT&T phone service in the house. If there is an emergency and I am out of the house or the AT&T service is interrupted I can not communicate with anyone. In the past few years AT&T service has left me in the dark numerous times.

Sincerely,
Linda Taylor
North Bloomfield Rd
Nevada City

Tine Mathiasen

From: Matt Stephenson <stephenson.matt@gmail.com>
Sent: Saturday, January 06, 2018 12:06 PM
To: Carl@s2swireless.com
Cc: Elizabeth Stephenson
Subject: Proposed Cell Tower: Burning Bush Rd

Hello Carl:

We received a communication from our local internet group today that indicates AT&T is proposing a new cell tower on Burning Bush Rd. My wife and I would be glad to see some AT&T service in this area. Currently we have two cell plans and a land line with AT&T but due to our location in the Blue Tent area, we do receive some weak signals from Verizon but AT&T has nothing in our area. Therefore we have to forward our phones to the land line each time we come up the hill. In addition, the internet service from HughesNet is very poor lately so we would be happy for an alternative.

I don't know the range of the cell towers and what impact the trees will have on the signal. We are about 1 1/2 miles from Burning Bush Rd.

If you have any more information regarding the new tower, please let us know.

Thank you,
Matt Stephenson.

Tine Mathiasen

From: david brewer <dvdbrwr1@gmail.com>
Sent: Saturday, January 06, 2018 12:35 PM
To: carl@s2swireless.com
Subject: Cell tower

Although I don't have a cell phone and don't know if I would ever have one, I am in favor of the proposed installation @ Burning Bush. Not only might it benefit the Blue Tent and No. Bloomfield Rd neighborhoods but also areas across the river(Malakoff?) as well as fire and safety crews. I do not believe the "emission" problems are of any concern to the neighbors.

Tine Mathiasen

Subject: FW: I support the installation of a cell tower to improve cellular coverage in the Washington Ridge area of Hwy 20

From: Robert Lowe [mailto:roblowe60@gmail.com]

Sent: Saturday, January 6, 2018 11:45 PM

To: Carl@s2swireless.com

Subject: I support the installation of a cell tower to improve cellular coverage in the Washington Ridge area of Hwy 20

This letter is written to support Dr. Rob Crockett's request for a cell tower near his home. As a fellow physician and local resident of Nevada City since 1980, and an active user of the trails on the Hwy. 20 corridor, as well as one who frequently drives the Hwy. 20 route from Nevada City to Hwy. 80 I completely agree with Dr. Crockett's assessment of the need for improved cellular coverage to improve safety for drivers on Hwy. 20 and all outdoor recreational users of the area.

I would urge approval for construction of a cell tower.

Sincerely,

Robert N. Lowe, M.D.

Tine Mathiasen

From: Paul McGillicuddy <pcmcgillicuddy@gmail.com>
Sent: Sunday, January 07, 2018 12:09 PM
To: carl@s2swireless.com
Cc: Richard Anderson; dan.miller@co.nevada.ca.us; hank.weston@co.nevada.ca.us; ed.scofield@co.nevada.ca.us; heidi.hall@co.nevada.ca.us
Subject: Cell Phone Tower Approval

Hello Carl,

I live on Lightning Tree Road, Nevada City across from the ridge from where the proposed cell phone tower is to be installed. This is in Richard Anderson's District 5. I am writing to you in my support of the installation of a much needed cell phone tower in my neighborhood.

The installation will give my neighbors and me the access to the Internet, telephone calls for business, family and friends and the ability to work from home. When anyone can work from home via the new technology of the digital world via the web we all are winners.

The overall quality of life improves for the community and our home values increase. This new tower is a win all the way around for the community as a whole.

Thank you and good luck with the appeal process. I hope you receive the needed approval by the Board of Supervisors on Tuesday the 9th of January.

Thank you,

Julie Patterson-Hunter

From: Julie Patterson-Hunter
Sent: Monday, January 8, 2018 8:16 AM
To: All BOS Board Members
Cc: Rick Haffey; Alison Barratt-Green; Alison Lehman; Brian Foss; Coleen Shade; Tine Mathiasen
Subject: FW: I approve of construction of a cell tower to improve cellular coverage of the Hwy 20 corridor and Washington Ridge area

Dist 5 residents

From: Webmaster
Sent: Monday, January 8, 2018 8:13 AM
To: Steve Monaghan <Steve.Monaghan@co.nevada.ca.us>; Julie Patterson-Hunter <Julie.Patterson-Hunter@co.nevada.ca.us>
Subject: FW: I approve of construction of a cell tower to improve cellular coverage of the Hwy 20 corridor and Washington Ridge area

From: Robert Lowe [REDACTED]
Sent: Saturday, January 6, 2018 11:56 PM
To: Webmaster <Webmaster@co.nevada.ca.us>
Subject: I approve of construction of a cell tower to improve cellular coverage of the Hwy 20 corridor and Washington Ridge area

Dear Nevada County Board of Supervisors,

This letter is written to support Dr. Rob Crockett's request for a cell tower near his home. As a fellow physician and local resident of Nevada City since 1980, and an active user of the trails on the Hwy. 20 corridor, as well as one who frequently drives the Hwy. 20 route from Nevada City to Hwy. 80 I completely agree with Dr. Crockett's assessment of the need for improved cellular coverage to improve safety for drivers on Hwy. 20 and all outdoor recreational users of the area. I would urge approval for construction of a cell tower.

Sincerely,

Robert N. Lowe, M.D.

I'm asking for your help as fellow hikers, mountain bikers, and residents. If you could send a quick email by Monday to Carl Jones, Carl@S2Swireless.com, the AT&T consultant on our project, and maybe explain how cell/broadband would help safety in our rural area, and for that matter law enforcement and fire. Carl is assembling voices and will present evidence of local community support for the project to the BOS. Perhaps you could leave a note or message with board of supervisors members <https://www.mynevadacounty.com/731/Board-of-Supervisors>. Please pass along this note also to fellow BONC folks.

The coverage would include a part of the South Yuba canyon east of Edwards Crossing, around Blue Hole, part of San Juan Ridge extending to Columbia/Placer Diggins and Malakoff Diggins, our little

valley around east Cooper road, and extending south to Hiway 20. I included a topo map—we are at the center arrowhead.

Best,
Rob Crockett, MD

Julie Patterson-Hunter

From: McGillicuddy, Rene [REDACTED]
Sent: Monday, January 8, 2018 12:17 PM
To: Carl@s2swireless.com
Cc: Dan Miller; Heidi Hall; Hank Weston; Ed Scofield
Subject: Cellular antenna needed in Cooper Rd. area!

Carl –

First I want to thank you for the push to provide cellular service in our area of the county. It is commendable and necessary just to keep the jobs and community efforts alive since most of the population exclusively communicates by email, text and cellular voice.

The Cellular Antennas that are currently in place in the county are not adequately spaced so that our entire area can get coverage. For 25 years I have worked full time for a National insurance company that allows you to work from home. A real blessing 15 years ago to have the option to do so when I was not traveling for business. The coverage in the area has severely dropped, probably because of bandwidth. Over the past few years I have had to find other places besides home to work in order to just get a connection (let alone keep the connection throughout the workday). I'm not sure how the Forest Conservation Camp responds quickly to fires and new generated in the fire season of the year. They are our first line of defense. Email blasts and communication is in fact necessary for sustainability in this vicinity.

I think installation of this antenna will increase the value of homes, provide fewer occasions where we are snowed in and cannot work, keep us off of the highways during inclement weather and on a positive note, increase the value of life that we have chosen by living here in Nevada County!

Many thanks for leading this advancement. I know many other full time employed couples that will not look at housing outside of covered areas. It takes jobs and incomes to pay for infrastructure, taxes, roads, etc.. To be connected in this day and this economy should be where Nevada County is leading, not lagging.

All the best,

Rene McGillicuddy
AIG, Client Risk Solutions
Commercial Risk Strategist

[REDACTED] 4
[REDACTED]

www.aig.com

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Julie Patterson-Hunter

From: Richard Anderson
Sent: Monday, January 8, 2018 6:40 AM
To: Julie Patterson-Hunter
Subject: Fwd: Cell Phone Tower Approval

Sent from my iPad

Begin forwarded message:

From: Paul McGillicuddy <[REDACTED]>
Date: January 7, 2018, 12:08:35 PM PST
To: carl@s2swireless.com
Cc: Richard Anderson <richard.anderson@co.nevada.ca.us>, dan.miller@co.nevada.ca.us, hank.weston@co.nevada.ca.us, ed.scofield@co.nevada.ca.us, heidi.hall@co.nevada.ca.us
Subject: Cell Phone Tower Approval

Hello Carl,

I live on [REDACTED], Nevada City across from the ridge from where the proposed cell phone tower is to be installed. This is in Richard Anderson's District 5. I am writing to you in my support of the installation of a much needed cell phone tower in my neighborhood.

The installation will give my neighbors and me the access to the Internet, telephone calls for business, family and friends and the ability to work from home. When anyone can work from home via the new technology of the digital world via the web we all are winners.

The overall quality of life improves for the community and our home values increase. This new tower is a win all the way around for the community as a whole.

Thank you and good luck with the appeal process. I hope you receive the needed approval by the Board of Supervisors on Tuesday the 9th of January.

Thank you,

Coleen Shade

From: MARK J BAUMAN <markjbauman@sbcglobal.net>
Sent: Monday, January 08, 2018 8:26 PM
To: Carl@S2SWireless.com
Subject: Cell Tower

I would like to voice my support for the building of a cell tower on the Burning Bush site.

Our neighborhood is definitely impacted by the lack of cell service coverage out here.

I believe that this tower will greatly enhance our cellular services.

There has been no proof that cell towers cause any disruption of the environment so I see no reason that this project should be denied.

Thank you for considering my opinion.

Mark and Susan Bauman

17800 Cooper Road

Nevada City, CA 95959=

RECEIVED

FEB 02 2018

NEVADA COUNTY
BOARD OF SUPERVISORS

*ec' All BOS
Planning
Council
CEO*

2/2/18

To the Nevada County Board of Supervisors,

Regarding the AT&T Telecommunications Conditional Use Permit on Burning Bush Road, I am requesting that you deny this permit.

Sincerely,

Amy Quijada

Dist 3
Feb. 1, 2018

RECEIVED

FEB 02 2018

NEVADA COUNTY
BOARD OF SUPERVISORS

Nevada County Board of Supervisors

To Whom it may Concern:

I want to express my disapproval of the proposed cell tower at Bonny Bush. I request that you deny the conditional use permit for this tower and for other proposed cell towers because of known damage to the environment and adverse health effects on humans in the area.

Signed,
Johns Gos
Nevada County resident



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FEB 02 2018

NEVADA COUNTY
BOARD OF SUPERVISORS

2/2/18

To the Nevada County Board of Supervisors,

Regarding the AT&T Telecommunications Conditional Use Permit on Burning Bush Road, I am requesting that you deny this permit. As a frequent visitor to one of the adjacent parcels, this tranquil off-the-grid retreat would be disrupted and jeopardized by this project. From reading through the application and subsequent hearing materials, it appears that the motivation for the tower, to provide cell coverage, has not been proven.

Sincerely,

Michael Potter, President
Coach Mike
GetWellness Center

A handwritten signature in cursive script, appearing to read "Potter", written in black ink.

RECEIVED

Feb. 2,
2018

FEB 02 2018

NEVADA COUNTY
BOARD OF SUPERVISORS

To The Nevada County Board of Supervisors,

I am a Nevada County resident and I do not approve of the cell tower that is designated to be erected on

Burning Bush Road. Please deny the conditional use permit until microwave technology can be made safe for the environment and animals which violates the Commerce clause. Technology is not the problem. It is the way that technology is being used that is objectionable. Let's make Nevada County a safe technology zone with life affirming technology).

Sincerely,

J. Butler

J. BUTLER

Nevada County
resident

Dist 1
RECEIVED

FEB 02 2018

NEVADA COUNTY
BOARD OF SUPERVISORS

February 2, 2018

To the Board of Supervisors,

We are requesting of you to please deny the conditional use permit for the proposed cell tower on Burning Bush Rd, Nevada City, for the following reasons:

- Coverage or lack thereof has not been proven.
- Environmental impact has not been adequately researched.

Thank you for your consideration.

Sincerely,

Elena Rayo, Nevada City Resident



Dist V resident

RECEIVED

FEB 02 2018

Re: PLN17-0073, CUP17-0015, EIS17-0022

NEVADA COUNTY
BOARD OF SUPERVISORS

*cc: All BOJ
CEO
Counsel
Planning*

To Whom it may concern

The site plan submitted by AT&T is flawed in many ways: In the application the statement "The site lies at an approximate elevation of 3,363.5 feet above mean sea level."

This is incorrect, the site elevation of the proposed tower is actually 3,675 feet, misrepresented in the application by over 300 feet. This means that all the RF engineering on the tower is incorrect and the power levels should be much less if the provided elevation above sea level was accurate.

The site plan submitted is incomplete and should show contour and accurate elevations.

In the application AT&T represents that there are no closer sites

"Site Justification: LUDC Section L-II 3.8.E.1.d restricts towers from being installed within two miles of another

tower unless certain screening criteria are met. AT&T's coverage improvement goals are achieved when they are able to locate a cell tower within $\frac{1}{4}$ to $\frac{1}{2}$ mile from the optimal coverage location (see Figure 8. Service Improvement Objective) with consideration of topography and nearby obstructions. AT&T investigated possible co-location within one-mile increments from the optimal location. They found that the nearest co-location towers, as verified by active FCC and FAA filings, are located in Nevada City on City Hall at 305 Spring Street and the Chamber of Commerce at 200 Coyote St. Both sites are located 5-miles from the proposed location."

"Title 3 Land Use and Development Code, Chapter II: Zoning Regulations, Article 3

Specific Land Uses, Sec. L-II 3.8 Communication Towers and Facilities:

Submit a list of existing towers within the desired service range, information regarding co-location opportunities and evidence of negotiation for co-location on existing towers where such opportunities exist."

"The Board can require the applicant to demonstrate with written documentation that they had examined all facility sites located near said Facility Site, in which applicant has no legal or equitable interest whether by ownership, leasehold or otherwise to determine whether those existing Facility Sites can be used to provide adequate coverage and/or adequate capacity to the surrounding said Facility Site."

In fact, there is a better existing FCC licensed broadcast site within 1500 feet that was never contacted by AT&T for co-location.

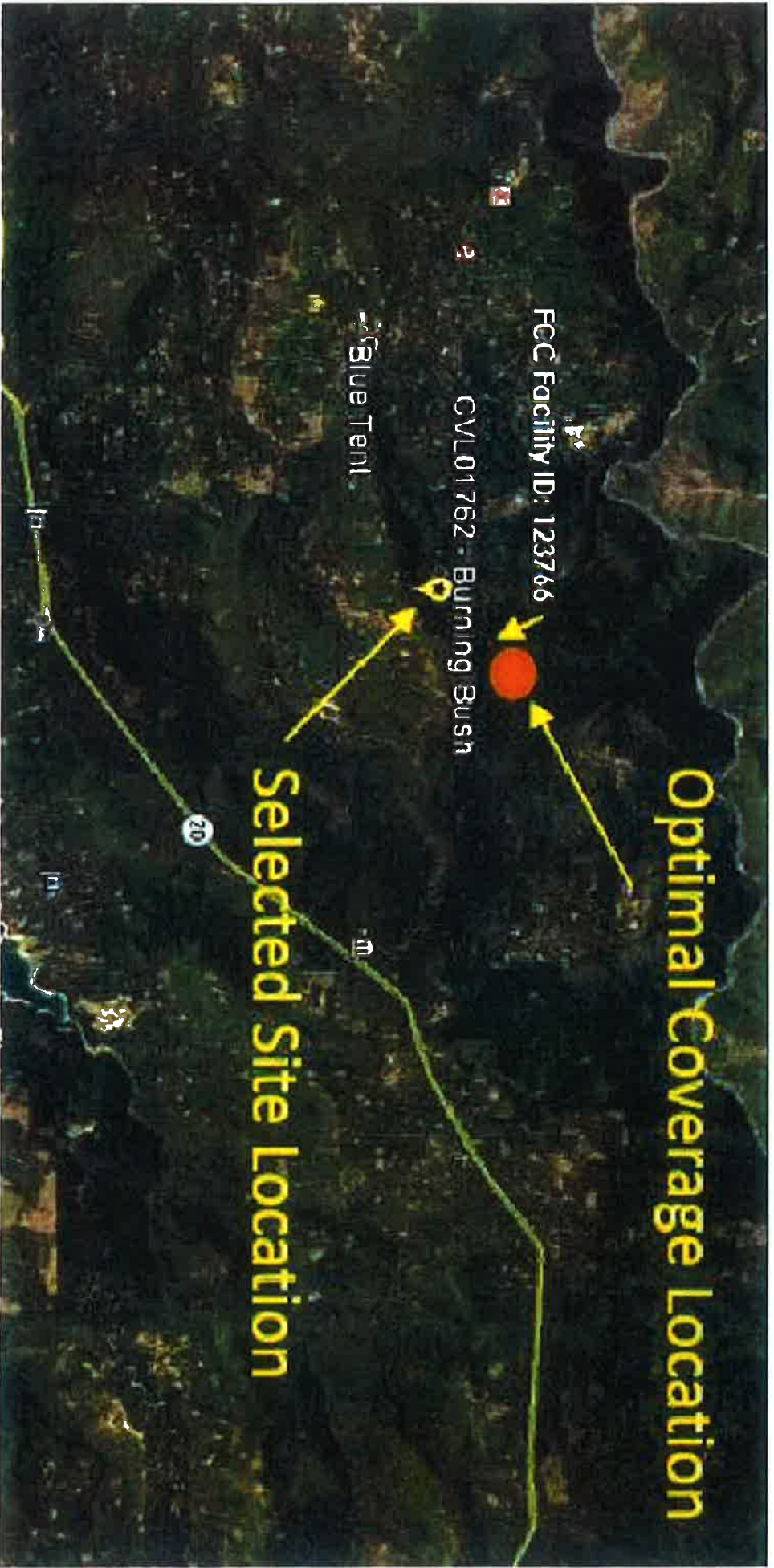
Optimal Coverage Location

FCC Facility ID: 123766

CVL01762 - Burning Bush

Blue Tent

Selected Site Location



Of special concern is the A array that will saturate the local neighborhood with high levels of RF in the 1.9-2.3 Gigahertz range, a range that is used for many Part 15 devices. The A array is directly focused on the Washington Ridge CYA Camp and residents on Royal Plum, Burning Bush, Barn Hollow, Cooper and Lightning Tree Roads affecting about 30 residences.

AT&T has not provided a mitigation plan for interference to existing Part 15 devices in use in our neighborhood.

A real-world example of interference that would require mitigation is Community Radio Station KYRR 93.3 FM that is located 1,500 feet east of the proposed cell site at the same elevation. The A array is directly focused into the studio. The studio uses a studio to tower link at 2.1 gig, the EAS processor operates at 1.6 Gig, EAS FEMA feed comes in at 850 MHz, Telephone system operates a 1.9 gig, security camera 2.1 gig, Wi-Fi 2.1 gig, and various laptop computers that broadcasters bring into the studio to do shows that bring in WKFI at 1.9-2.3 gig range. The cost to mitigate these potential interference problems are estimated to be between 9 and 12 thousand dollars which is a lot for a small publicly funded community radio station.

The A array of the proposed AT&T Burning Bush tower will impact the EAS system of radio station KYRR and thus impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

EBI Consulting did not submit a complete Radio Frequency RF-EME Compliance Report.

1. It is unknown how far away from the tower the maximum power density will occur. A specific figure for RF radiation at ground level expressed in microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) must be provided. The Report provides data allowing only an approximation of the maximum power density and does not specify at what distance it will occur from the cell tower. Percent of standard metrics do not allow for an actual prediction to be determined. The actual predicted RF power density maximum cannot be determined because the AT&T RF Compliance Report does not provide adequate information to do so. The Report lacks a maximum power density prediction at a given distance from the cell tower, what the maximum power density is in $\mu\text{W}/\text{cm}^2$, and the basis for determining for the uncontrolled public limit at this combination of frequencies and power outputs for each.

2. The maximum Effective Radiated Power at each of the frequencies to be broadcasted needs to be provided (700 MHz, 850 MHz, 1900 MHz, 2300MHz). Since the actual compliance level for MPE will be determined by a calculation that combines each contributing frequency and its proportionate contribution to the overall cumulative RF output, the actual compliance level (in microwatts/cm²) is missing from this Report. If AT&T's consultant does not provide this, it prevents any independent verification of the RF modeling conclusions.

In the AT&T application there are no measures made to mitigate potential interference from the proposed tower. Because there is no information provided on future co-locations mitigation for potential interference from future build-outs must also be taken into account.

The RF Compliance Report for this project is deficient because co-located build outs permitted under this application are not characterized in the RF Compliance

Report. Missing from the RF report are the Cumulative Projections of RF during the build-out of the two co-location projects. In addition, the Staff Report and all related permit documents state, "The mono-pole communication tower shall be engineered to accommodate a minimum of two (2) additional carriers in addition to AT&T." What is the maximum number of carriers that can be located on the tower? Will the county be approving a permit for AT&T and two co-locators without requiring other applications if more than two co-locators are planned?

The project description indicates future development is being permitted with no assessment of the cumulative RF power density that will reasonably be anticipated with full buildout of the planned project. An RF Compliance Report must be required for the full-buildout of the cell tower (the complete project) that includes co-located carriers.

The following policy applies in the case of an application for a proposed transmitter, facility or modification (not otherwise excluded from performing a routine RF evaluation) that would cause non-compliance at an accessible area previously in compliance. In such a case, it is the responsibility of the applicant to either ensure compliance or submit an EA if emissions from the applicant's transmitter or facility will result in an exposure level at the non-complying area that exceeds 5% of the exposure limits applicable to that transmitter or facility in terms of power density or the square of the electric or magnetic field strength."

The above policy states that the co-locators approved for this Project must be accountable if they contribute in excess of 5% of the exposure limit. The EXISTING first antennas in the Burning Bush Road project produce 5.2% of the exposure limit.

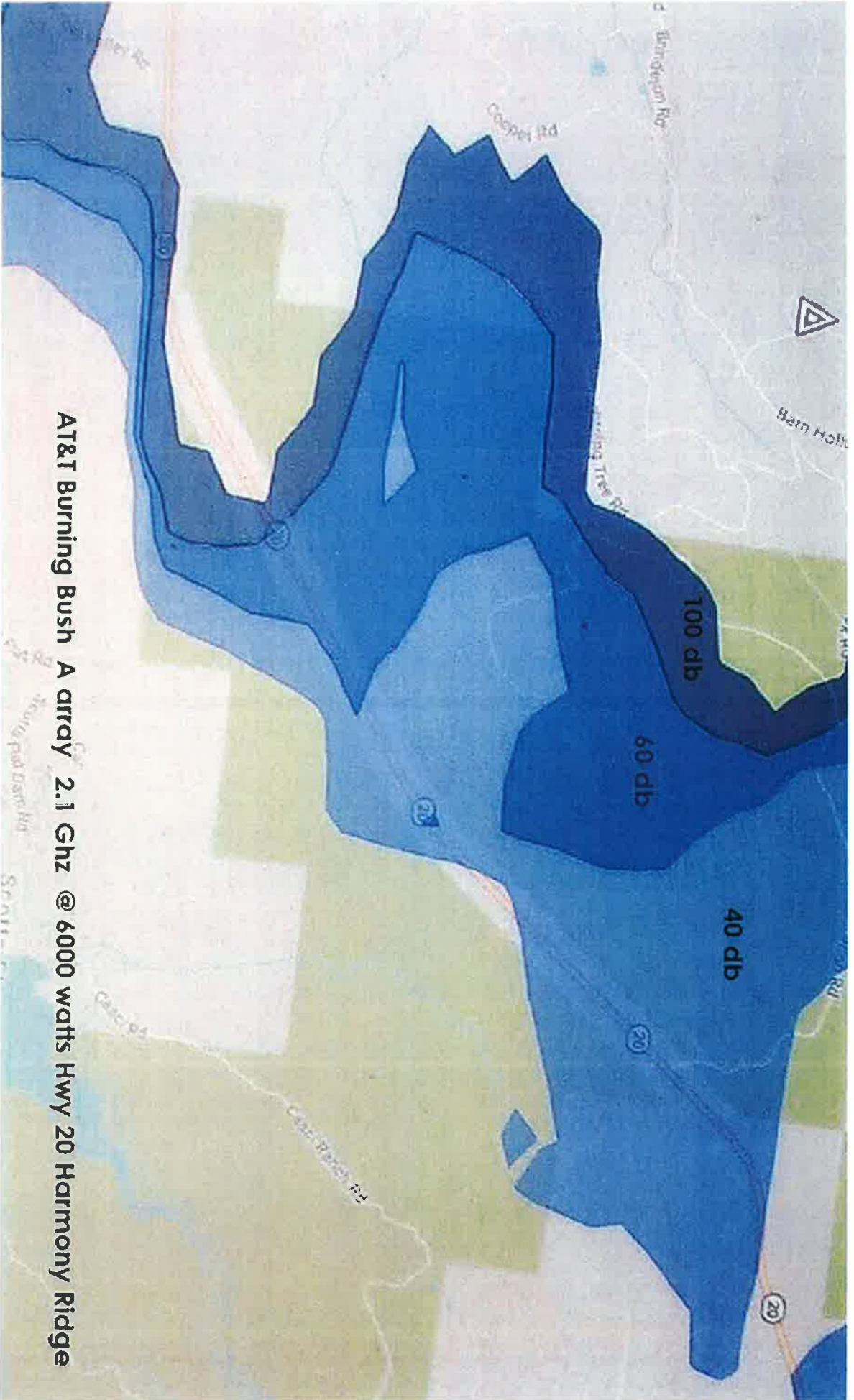
Even with the incorrect information on site elevation being used to justify increased power on the A array the power level on the Hwy 20 corridor would still be less than 60 db, which is less than reliable service, due to several highly forested ridges in between the tower and Hwy 20. This would be especially prominent in the 1.9-2.3 gig range. Economically, the A array makes little sense for the small amount of service it would provide. See enclosed Lonley-Rice study.

The C array is a very different story.

The San Juan Ridge is in dire need of communications infrastructure. Land lines are filled, there is very limited cell phone service and internet. Every year there are accidents on the South Yuba where cell phone coverage could save a life. In the event of a natural disaster, such as fire, cell phone service on the San Juan Ridge would be A+.

It makes no sense to throw the C array under the bus because the A array stinks. If the project is approved the A array should be rejected.

Steve Micheisen, Broadcast Engineer



AT&T Burning Bush A array 2.1 Ghz @ 6000 watts Hwy 20 Harmony Ridge

Citrus Heights resident

cc: AIBOS
CEO
Counsel
Planning

Julie Patterson-Hunter

From: Deidre Nutri-D Belfiore <[REDACTED]>
Sent: Saturday, February 3, 2018 11:49 AM
To: Julie Patterson-Hunter
Cc: Michael Potter
Subject: Johanna Finney Nevada City Cell Tower Case

To Whom it May Concern,

As a Practitioner of Natural Health, we work with the patients and families devastated by the effects of radiation and varying EMF fields.

We must set a precedence and prevent private residences from having their property and health rights jeopardized.

Please consider my direct opposition to any cell tower installations on private sanctuary property, such as this Nevada City private land.

Sincerely,

--
Deidre "Nutri-D" Belfiore, CN, CHT VP - Nutrition Coach
MPL Group's GetWellness Center



GetWellness Center



A Company Specializing in 'Organizational Wellness Solutions'



Nutri-D@MPLGroup.org

GetWellnessCenter.com

<http://on.fb.me/VvZHc6>

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FEB 05 2018

NEVADA COUNTY
BOARD OF SUPERVISORS

cc: AUBOS
CEO
Counsel
Planning

February 5, 2018

Dear Board of Supervisors,

I am Felicia Hoppe. I live at [REDACTED] in Nevada City. I have owned this property for over 4 decades. My home is on the north side of Washington Ridge. It is across from the ridge that has the proposed Burning Bush cell tower project.

Urban people are exposed to 100 million times more electromagnetic radiation than their grandparents were. Part of the reason is radiation from cell phone towers and microwave antennas. I now have great concerns that this close-by high-frequency source can affect the vegetable gardens, orchards, forests, animals both domestic and wild and the soil as well as the inhabitants of my neighborhood.

Just like anyone else I would like to have better internet and phone delivery. From an analysis done by a local radio frequency engineer, it sounds like the radio waves emitted will be a destructive force to my residence and neighborhood. The news that my ridge will be hit with a very high power of radio frequency under the proposed plan is an outrage. Burning Bush tower has to be cancelled and reworked so that we on Washington Ridge are safe.

Thank you for your consideration.

Felicia Hoppe

Felicia Hoppe

[REDACTED] Nevada City

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FEB 05 2018

NEVADA COUNTY
BOARD OF SUPERVISORS

5 February 2018

cc: All BOS
CEO
Council
Planning

To Whom It May Concern,

I am a resident of the Washington Ridge neighborhood of Lightning Tree that is on the ridge south of the Burning Bush site. Having been a Radar Systems Engineer working on site projects for the U.S. Army and Air Force in my former work life, I am no stranger to the technology of radio frequency.

Burning Bush/Royal Plum/Green Castle is a neighborhood of people who live off the grid. The residents have chosen to live without commercial power in order to avoid elements like radio wave technology close around them. There are young couples with young children in the neighborhood. If given enough radio waves from many sources, a cumulative effect occurs. Children will be impacted first. Accumulated radio waves come our way from hundreds of communications satellites in space, surrounding towers, PG&E devices hung on homes, cell phones and other handhelds, home wi-fi systems, Bluetooth appliances, trackers and more. They all form layers of emissions that accumulate together. If given enough layering, then the energy builds and starts to behave like a microwave oven. It heats living matter. Currently, there has been little monitoring by authorities for this out of control phenomenon.

In looking at the documents related to this project, I understand that the primary mission originates from a federal contract awarded to AT&T given to cover the U.S. up to 95%, the purpose being the facilitation of first responders and emergency services. A further analysis submitted to the appeal packet written by an independent RF expert reveals a miscalculation in the elevation and the RF output of the proposed tower demonstrated a threat to my neighborhood at Lightning Tree Road. It states that Washington Ridge will receive from 3700' in elevation upward an RF radiation hit of 6000 watts or 100 db out of the Panel A that is aimed in our direction. This is enough of a power hit to light up the bodies of the residents so they have the effect of daytime wavelengths or feel like they are in daytime 24 hours a day. Imagine what this hit will mean to the plant and animal life on Washington Ridge. This is unhealthy and unacceptable. The expert that wrote the analysis is an FCC licensee running station 83.3 KYRR that broadcasts to Yuba River Canyon and San Juan Ridge. His antenna is positioned at the top of the ridge. How come AT&T did not consider this location for their tower? It has power and is higher in elevation. The licensee expresses that Panel C is correct and Panels A and B are configured incorrectly. He wants to see a drop in wattage of A and B panels to 1500 down to 700 watts.

The Board needs to accept the appeal and push back the project until a better solution is identified that can provide for the first responder/emergency services needed and the health of the citizens of Little Rock Creek Canyon.



Louise H. Jones

RECEIVED

FEB 05 2018

NEVADA COUNTY
BOARD OF SUPERVISORS

cc: All BOS
CEO
Counsel
Planning

February 5, 2018

To Whom It May Concern:

We are Katie and Mike Daggett and we live on the north side of Washington Ridge across the canyon of the proposed 13-story communications tower. In the past couple of months, we have become acquainted with the stressful situation over at Royal Plum/Burning Bush.

It appears to be fact that at this point in time, that easement for power to the project site does not exist and will not be forthcoming. In all likelihood the easements will not be granted. If the situation persists, why keep up the debate about this location?

It has come to our attention that the proposed tower as it is specified in the permit application indicates a danger to our neighborhood at Lightning Tree Road. A recent analysis by an expert on radio frequency indicates that the energy sent in our direction is intense and dangerous. How can this permit pass an environmental impact report? This is a danger to all life forms in our neighborhood.

It is solidly the belief at our house that at this point of contention, the appeal by the Royal Plum/Burning Bush residents needs to be accepted and the project terminated.

Very Sincerely yours,



Julie Patterson-Hunter

FEB 06 2018

From: Janie McDowall <[REDACTED]>
Sent: Monday, February 5, 2018 1:36 PM
To: Julie Patterson-Hunter
Subject: Letter of Support to Decline Cell Tower

COUNTY SUPERVISORS

cc: All BOS
CEO
counsel
Planning

2/2/18

To the Nevada County Board of Supervisors,

Regarding the AT&T Telecommunications Conditional Use Permit on Burning Bush Road, I am requesting that you deny this permit.

It will impair the quality of life in that area for many persons and families and in general be a very poor health decision

Sincerely,

Jane McDowall

Julie Patterson-Hunter

From: Julie Patterson-Hunter
Sent: Friday, February 9, 2018 2:42 PM
To: Rick Haffey; Alison Barratt-Green; Alison Lehman
Cc: Brian Foss; Coleen Shade
Subject: FW: Proposed AT&T Communications Tower on Burning Bush Rd. (CUP17-0015)

From: Julie Patterson-Hunter
Sent: Friday, February 9, 2018 2:41 PM
To: All BOS Board Members <AllBOSBoardMembers@co.nevada.ca.us>
Subject: FW: Proposed AT&T Communications Tower on Burning Bush Rd. (CUP17-0015)

From: Richard Anderson
Sent: Friday, February 9, 2018 2:03 PM
To: Julie Patterson-Hunter <Julie.Patterson-Hunter@co.nevada.ca.us>; Brian Foss <Brian.Foss@co.nevada.ca.us>
Subject: Fw: Proposed AT&T Communications Tower on Burning Bush Rd. (CUP17-0015)

From: Ron Gray <[REDACTED]>
Sent: Friday, February 9, 2018 1:51 PM
To: Richard Anderson
Subject: Re: Proposed AT&T Communications Tower on Burning Bush Rd. (CUP17-0015)

Ron Gray | [REDACTED] Nevada City, CA 95959

February 8, 2018

The Honorable Richard Anderson, District 5
Nevada County Board of Supervisors
Eric Rood Administrative Center
950 Maidu Avenue, Suite 200
Nevada City, CA 95959

Re: Proposed AT&T Communications Tower on Burning Bush Rd. (CUP17-0015)

Dear Supervisor Anderson:

As a long-time District 5 resident, I'm writing to voice my support for the proposed AT&T communications tower located on Burning Bush Road in the Blue Tent/North Bloomfield Rd. area.

Your approval of this project will provide much-needed and long-overdue cellular phone and broadband Internet access to our neighborhood.

Specifically, this project provides the following public benefits:

- **Improves Public Safety & Emergency Services.** The proposal enhances public safety for residents and support for public safety professionals by improving voice and data communications services along the North Bloomfield Road corridor. There is currently no cell service along a six- to seven-mile stretch of North Bloomfield Road that serves North Bloomfield Road area residents, commuters to the San Juan Ridge, and recreational access to the South Yuba River via Edwards Crossing. In the event of a

wildfire in this high-risk area, the addition of cell service could make the critical difference between early response and an unthinkable tragedy.

- **Supports for the Local Economy.** The project provides a local economic boost by supporting the large and growing number of home- and Internet-based businesses (including my own) that are the new economic engines of rural economies. In addition, providing access to cell and broadband service provides a boost to property values – also an essential component of rural economic growth and vitality;
- **Closes the Digital Divide in Education.** School children, especially those in junior high and high school, are increasingly dependent on the Internet as tool for homework assignments. Students who live in rural settings without access to broadband Internet are at a disadvantage. This is another reason why homes in rural areas without broadband access have depressed resale value and are not family-friendly.

Support for this and similar projects that expand rural cellular and broadband services offers a critical opportunity for local government leaders to improve public safety, bolster economic growth and foster an environment that is friendly to local education, local families and children.

I thank you in advance for your approval of this proposal.

Sincerely,

Ron Gray



Coleen Shade

From: David Hanson <davidshanson3@gmail.com>
Sent: Sunday, February 25, 2018 3:40 PM
To: Carl Jones
Cc: Pamela Swartz
Subject: David Hanson will be speaking at the Nevada County BOS

Mr. Jones:

Please be advised that I will be speaking at the BOS meeting on March 13th on behalf of Consolidated Fire District. At their last Board of Directors meeting, Consolidated voted to support the building of cell towers which helps support emergency communications throughout the County.

If you have questions, please don't hesitate to call me. BTW, I am quite familiar with wireless communications and have negotiated a number of cell phone tower leases in San Francisco, Marin and Nevada Counties.

Best,

Dave

David Hanson
Director
Nevada County Consolidated Fire District
530.277.5557 (c)
530.478.1339 (h)
davidshanson3@gmail.com



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Coleen Shade

From: Michael Vasquez <mikey95010@yahoo.com>
Sent: Sunday, February 25, 2018 7:52 PM
To: Carl@S2Swireless.com
Subject: AT&T Cell Tower proposed at CVL01762/Blue Tent Burning Bush

Dear Carl,
I live on Indian Flat Rd, Nevada City, Ca. and am a customer of AT&T. Based on cell tower coverage, our cell phone communications range between 1 bar and no bars because of the lack of cell towers in this mountainous area outside Nevada City.

Recently, we were without internet service for 3 weeks and concurrently had no phone access due to using VOIP. That left almost no ability to communicate with anyone. Had there been any type of medical emergency, someone could have died from an inability to contact medical personnel.

For those of us who chose to live in rural mountainous areas, cellular communications is the only life line for medical emergencies, law enforcement emergencies and forest fire warnings. Seniors, elderly and families with small children are particularly at high risk without dependable cell reception, not to mention the necessary ability to stay in touch with family, friends and community activities.

It is unbelievably disrespectful to neighbors that a few vocal Nimby's are protesting cell towers that will save lives in emergencies. Those protesting the proposal have no scientifically documented evidence of health issues caused by cell towers other than hysteria. In doing so, it sadly relegates folks to today's equivalent of the Flat Earth Society.

I support the cell tower proposal for Blue Tent-Burning Bush. Please add my name to the list of those supporting this critical health and safety project and advise me when it goes before a public hearing so I can attend.

Sincerely,

Michael P. Vasquez
16631 Indian Flat Rd
Nevada City, Ca. 95959

Coleen Shade

From: Nikki Julian-Vasquez <ride.nikki.ride@gmail.com>
Sent: Sunday, February 25, 2018 6:51 PM
To: Carl@S2Swireless.com
Subject: In Support of the AT&T cell tower site @ Blue Tent/Burning Bush

Dear Carl,

I have been advised of a proposal to install more cell towers in our area (Nevada City, Ca.) and I would like to express my strong support for this effort. The site that would have the most positive impact for me and at least 300 members of our active horse club (Gold Country Trails Council) is: CVLO1762/BLUE TENT BURNING BUSH. Many of us regularly ride and/or work on the trails in the Lone Grave area (Conservation Road, Rock Creek, Blue Hole, etc.) and cell reception there is spotty or mostly non-existent. The danger of getting lost or injured on those trails is a very real concern that we face. Currently, we probably would not be able to communicate for help or assistance in a crisis. Also, with the imminent risk of fast burning forest fires AND the increase of speeding bicycles, motorized off road vehicles, etc. in that area, it's just a matter of time before life-threatening emergencies occur there.

It goes without saying that those of us living in our fire-prone area would benefit tremendously with increased cell reception. Clear communication is critical for the safety of our communities while enhancing the ability for emergency services to respond in a timely manner.

Sincerely,
Nicola Julian-Vasquez
530-470-6030