Architectural Review Board
Staff Report (ID # 8024)

Report Type:	Action Items	**Meeting Date:**	5/18/2017

Summary Title: Preliminary Architectural Review: Verizon/Vinculums Small Cell Deployment Project Cluster 1

Title: STUDY SESSION. 250 Hamilton Avenue [17PLN-00033]: Preliminary Architectural Review of Location and Design Options for the Deployment of Verizon Small Cell Wireless Communication Equipment on Utility Poles in the Public Right-of Way. The Proposed 18 Small Cell Node Locations in this Preliminary Architectural Review Application are Considered a Cluster of Nodes Within the Proposed Overall Deployment of 92 Small Cell Locations. Environmental Assessment: Not a Project. Formal Application will be Subject to CEQA Review. Zoning District: Varies. For More Information, Contact the Project Planner Rebecca Atkinson at rebecca.atkinson@cityofpaloalto.org.

From: Hillary Gitelman

Recommendation
Staff recommends the Architectural Review Board (ARB):

1. Review and provide comments.

Report Summary
The subject application is a request for preliminary review. No formal direction is provided to the applicant and Boardmembers should refrain from forming and expressing opinions either in support or against the project.

As this is a preliminary review application, the Planning and Community Environment department has only performed a cursory review of the project for compliance with the zoning code. A comprehensive review of the project in relation to applicable codes, including context-based design criteria and other standards, would follow the submittal of a formal application.

City of Palo Alto
Planning & Community Environment
250 Hamilton Avenue
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Accordingly, there may be aspects of this preliminary review application that do not comply with municipal regulations or require additional discretionary applications beyond architectural review.

Similarly, there has been no comprehensive review of the project in relation to the comprehensive plan or other policy documents. Such review will occur upon the filing of a formal application.

The purpose of this meeting is to provide an applicant an opportunity to present a conceptual project to the Board and receive initial comments. Boardmembers may identify aspects of the project that are appropriate given the neighborhood context and consistent with city policies or areas of concern that the applicant may want to reconsider in a formal submittal. Community members are also encouraged to provide early input to the project.

Background

Project Information

Owner:	City of Palo Alto (Owner of Utility Poles in the Right-of-Way)
Applicant	Vinculums on behalf of GTE Mobilnet dba Verizon Wireless
Representative:	Mary Diesch (Vinculums) and Jennifer Haas (Verizon)
Legal Counsel:	Not Applicable

Property Information

Address:	18 Various Utility Poles in the Right-of-Way
Neighborhood:	Generally, Mid-Town, South of Mid-Town, St. Claire Gardens, and Palo Verde Neighborhoods
Lot Dimensions & Area:	Not Applicable
Housing Inventory Site:	Not Applicable
Located w/in a Plume:	Not Applicable
Protected/Heritage Trees:	Yes
Historic Resource(s):	No
Existing Improvement(s):	18 Various Utility Poles in the Right-of-Way
Existing Land Use(s):	Residential
Adjacent Land Uses & Zoning:	Various, R-1 Single Family Residential District, Special Residential Building Site R-1 Subdistrict (7,000) and (8,000), and RM-30 Medium Density Multiple-Family Residence District

Location Map:

Land Use Designation & Applicable Plans

Zoning Designation:	Various, R-1 Single Family Residential District, Special Residential Building Site R-1 Subdistrict (7,000) and (8,000), and RM-30 Medium Density Multiple-Family Residence District
Comp. Plan Designation:	Various, Predominantly Single Family Residential
Context-Based Design Criteria:	Not Applicable
Downtown Urban Design Guide:	Not Applicable
South of Forest Avenue Coordinated Area Plan:	Not Applicable
Baylands Master Plan:	Not Applicable
El Camino Real Design Guidelines (1976 / 2002):	Not Applicable
Proximity to Residential Uses or Districts (150'):	Not Applicable
Located w/in Airport Influence Area:	Not Applicable

Prior City Reviews & Action

City Council:	June 27, 2016 Master License Agreement GTE Mobilnet dba Verizon Wireless (http://cityofpaloalto.org/civicax/filebank/documents/52893)
PTC:	None
HRB:	None
ARB:	None
Staff Level Architectural Review:	17PLN-00063 - Minor Architectural Review of a proposed mock, non-operational installation of small cell wireless communication facility equipment. The project purpose is to provide an example installation though which to promote receipt of public comments on Preliminary Architectural Review application 17PLN-00033 and the design of the forthcoming Vinculums/Verizon Wireless 92-node Small Cell Deployment project. Pole #: 7423 (Adjacent to 1350 Newell Road).

Project Description

The proposed eighteen (18) small cell deployment node locations in this Preliminary Architectural Review application represent one cluster of small cell wireless communication facility nodes and are located generally within the Mid-Town, South of Mid-Town, St. Claire Gardens, and Palo Verde neighborhoods.[1]. In total, Verizon Wireless proposes to install ninety-two (92) small cell deployment nodes in various neighborhoods and commercial areas within the City and these additional locations will be identified and clustered together in future applications. The applicant has provided a detailed project description in Attachment C. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment.

Proposed configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above via an aerial drop from the pole. Additional background information can be found on the applicant's project website (www.improveyourwireless.com/paloalto/).

The proposed eighteen (18) small cell deployment node locations are identified in the **Table 1** below:

[1] The address for this application 17PLN-00033 is listed in the City's permit tracking system under 250 Hamilton Avenue because the utility poles that are proposed to host the small cell deployment nodes are identified by unique pole numbers and do not have specific property addresses.

Table 1: Preliminary Eighteen (18) Small Cell Deployment Node Locations:

Node	City Verified Adjacent Address	Pole Type	Proposed Config	CPAU Pole #	Adjacent APN	Adjacent APN Zoning Class
SF PALO ALTO 127	820 WARREN WAY	Wood Utility	Config 3	3112	12730045	R-1
SF PALO ALTO 129	2490 LOUIS RD	Wood Utility	Config 1	3121	12730062	R-1
SF PALO ALTO 130	2802 LOUIS RD	Wood Utility	Config 3	2461	12728046	R-1
SF PALO ALTO 131	~~3120 LOUIS~~ 891 ELBRIDGE WY	Wood Utility	Config 2	3315	~~12726067~~ 12726067	R-1
SF PALO ALTO 133	925 LOMA VERDE AVE	Wood Utility	Config 3	2857	12724023	R-1
SF PALO ALTO 134	3409 KENNETH DR	Wood Utility	Config 3	2964	12709028	R-1 (7000)
SF PALO ALTO 135	795 STONE LN	Wood Utility	Config 2	3610	12747001	R-1 (8000)
SF PALO ALTO 136	3191 MANCHESTER CT	Wood Utility	Config 3	3298	12758024	R-1
SF PALO ALTO 137	~~795 STERN~~ 3090 ROSS RD	Wood Utility	Config 3	3351	~~12752031~~ 12752031	R-1
SF PALO ALTO 138	836 COLORADO AVE	Wood Utility	Config 3	2479	12727063	R-1
SF PALO ALTO 139	~~752 COLORADO~~ 2793 RANDERS CT	Wood Utility	Config 3	2489	~~12734115~~ 12734115	R-1
SF PALO ALTO 140	450 LOMA VERDE AVE	Wood Utility	Config 3	3971	13215077	R-1
SF PALO ALTO 141	2801 SOUTH CT	Wood Utility	Config 3	2669	13214023	R-1
SF PALO ALTO 143	3299 WAVERLEY OR 419 EL VERANO AVE	Wood Utility	Config 1	3867	13215017	R-1
SF PALO ALTO 144	201 LOMA VERDE AVE	Wood Utility	Config 3	1506	13248015	RM-30
SF PALO ALTO 145	733 LOMA VERDE AVE	Wood Utility	Config 3	3288	12764001	R-1 (7000)
SF PALO ALTO 146	2901 MIDDLEFIELD RD OR 705 ELLSWORTH	Wood Utility	Config 1	7647	12735194	~~R-1~~ RM-15
SF PALO ALTO 147	181 EL VERANO AVE	Wood Utility	Config 3	1494	13227072	R-1

Anticipated Entitlements:
The following discretionary applications are anticipated:

- Tier 3 Wireless Communication Facility Permit, as outlined in Palo Alto Municipal Code (PAMC) Chapter 18.42.110. This will be processed as a Major Architectural Review and a Conditional Use Permit application.

The applications will need to comply with the development standards in PAMC Section 18.42.110(i), the conditions of approval in PAMC Section 18.42.110(j), the Architectural Review findings in PAMC Section 18.76.020(d), and the Conditional Use Permit findings in PAMC Section 18.76.010(c).

Discussion

Preliminary review applications receive a cursory review for compliance with zoning regulations and consistency with the comprehensive plan or other applicable policy documents. This information was previously transmitted to the applicant during Development Review Committee meetings and site walks. Staff has attached the relevant Comprehensive Plan policies (Attachment A) and the Palo Alto Municipal Code Section 18.42.110 pertaining to Wireless Communication Facilities (Attachment B). A more comprehensive review will occur upon formal submittal, which may reveal other code or policy concerns.

Small Cell Deployment in Other Cities
Other cities have already evaluated and developed guidelines for small cell deployment applications in the right of way. While Palo Alto is unique in that it owns or jointly owns many of the utility structures, these examples are instructive. Following are a few links showing how other cities are approaching the siting and design of small cell projects:

- **City of San Francisco** "Design Preferences for Personal Wireless Service Facilities for DISTRIBUTED ANTENNA SYSTEMS, "DAS" OR SMALL CELLS ON WOODEN UTILITY POLES & WOODEN STREET LIGHT POLES" - August 2015 (http://www.sf-planning.org/ftp/files/currentplanning/wireless/wireless_Design_Preferences_for_Wireless_Facilities_August2015.pdf)
- **City of San Diego** – "Wireless Communication Facility (WCF) Guidelines" - January 4, 2016, Page 16 (https://www.sandiego.gov/sites/default/files/legacy/development-services/pdf/industry/telecomguide.pdf)
- **City of Berkeley** – "Wireless Telecommunications Program Guidelines for Projects Requiring Telecommunications Encroachment/Excavation Permits" – March 15, 2011 (http://www.cityofberkeley.info/uploadedFiles/Public_Works/Level_3_-_Sidewalks,_Streets_-_Utility/Aesthetic%20Guidelines%20for%20PROW%20Permits%20Under%20BMC%20Chapter%2016_10.pdf)

Location/Siting Criteria, Configuration Design Criteria, and Configuration Design Options
The primary purpose for this Preliminary Architectural Review application is to receive public and Architectural Review Board feedback on the preliminary location/siting criteria, design criteria, and design options for the proposed small cell deployment nodes. The applicant has presented their key questions within their project description in Attachment C. Members of the

public and the ARB are encouraged to provide feedback to the applicant. Staff also requests feedback and further development of the following preliminary location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment in the right-of-way. From site walks with the applicant, it was determined that not all criteria can be achieved in some cases. Consequently, prioritization of these criteria is also welcomed.

Location and Siting Criteria

1. Locate small cell nodes on poles in the right-of-way only.
2. Disfavor poles that are in a proposed undergrounding district area.
3. Identify poles with the following items in the descending order of precedence:
    a. Guy stubs,
    b. Poles with overhead secondary conductors only,
    c. Primary dead-end poles,
    d. Primary poles with no transformers downstream to end of line, and
    e. Primary poles with no electric utility equipment on either side of the proposed pole.
4. Encourage placement away from intersections in order to reduce visibility of the project.
5. Encourage poles with significant tree screening in order to reduce visibility of the project.
6. Favor poles that do not interfere with bikeway clearances either physically or visually
7. Favor poles away from first and second story windows in order to reduce visibility of the project.
8. Confirm the project adheres to ADA clearances, as well as conformance with the Pedestrian Shopping Combining District requirements where applicable.
9. Confirm the project provides adequate vehicle clearances and site triangles when in proximity of intersections and driveways, addresses proximity to on-street parking spaces, and provides vehicle door clearance if ground mounted equipment is proposed.
10. Identify the pros/cons of increasing or decreasing the number of proposed nodes including coverage, different sizes and heights of antennas (ex. deployment of a four foot high antenna versus a two foot high antenna)
11. Confirm if there are any additional factors that may prevent above-grade facilities, such as:
    a. Conflicts with future transportation improvements, and
    b. Conflicts with transit facilities or other areas which generate pedestrian activity
12. For projects with ground mounted equipment and/or trenching:
    a. Favor poles with little or no surrounding tree roots to reduce tree impacts. Ground mounted cabinet locations shall strive to improve existing tree conditions and avoid or limit taking valuable root area from existing tree sites.
    b. Favor poles with little to no underground utilities to reduce conflicts.
    c. identify if the project requires any trenching and disfavor projects where adjacent road surfacing has recently occurred or is planned within the next 1-2 years.
    d. Encourage them to remain clear of street and driveway sight lines as required by Palo Alto Municipal Code (PAMC) 18.54.050(b).

Configuration Design Criteria

1. Design for the minimization of equipment sizes.
2. Design for streamlining of equipment views from the sidewalk and driver view angles.
3. Limit the use of ground mounted equipment to the greatest extent possible.
4. Place emphasis on ensuring the project design is compatible with the surrounding neighborhood context - consider the various neighborhood styles and character (ex. historic, modern, etc.).
5. In areas with Design Guidelines, ensure the project responds to these guidelines. For example: Professorville Historic District Design Guidelines (§7.0-7.43, Guidelines for Site Improvements: Landscape, Accessory Buildings & the Streetscape).
6. In commercial or mixed-use areas, encourage either pole mounting back-up battery equipment or placing it below grade to ensure a clear sidewalk for pedestrians.
7. Power shall come from the nearest utility box and equipment must have a protective device (i.e. fuse or circuit breaker) for isolating the circuit to avoid affects on City of Palo Alto equipment or circuits.

Configuration Design Options

1. Utilize passive cooling or other methods to prevent or reduce noise.
2. Design the project to visually soften the deployment by providing landscaping or trees next to the pole.
3. Design for stealth and concealment of equipment. Examples: use shrouds, blend the bayonets by utilizing similar shapes and widths as the underlying pole, paint all equipment to match the pole, conceal all wires, provide a continuous installation instead of allowing gaps for light to pass through in the installation, and mount equipment as close to the pole surface as possible.
4. If soil is lost in response to any ground mounted equipment installation, pursuant to the Urban Forestry Master Plan (Policy 1.A, 1.E.), the project shall provide an equal square footage of pervious soil to street trees in the immediate area.
5. Paint or artistically wrap all ground mounted equipment at minimum. Otherwise, pursue stealth strategies through the provision of street furniture that supports pedestrian activity and/or prevents visual clutter.
6. Emphasize stealth, concealment, and painting strategies that require low maintenance or otherwise present a maintenance schedule.

Photo Simulations and Non-Live Mock-Up Installation

Photo simulations of the three proposed design configurations are included within the applicant project description in Attachment C. The applicant will also install a non-live mock-up of Configuration 1 near the Palo Alto Art Center, adjacent to 1350 Newell. It is anticipated this installation would be completed by May 17, 2017. The City granted this non-live mock-up installation for the purposes of providing an opportunity for members of the public to see the proposed equipment first hand. The City received a performance bond to guarantee the mock site would be up for 1 year or less.

Collocation

Where it makes sense, the City encourages the collocation of wireless facilities to reduce visual clutter. None of the proposed small cell nodes is proposed as a collocation. The applicant indicated that the following factors contributed toward the proposed siting criteria:

- **RF Design –** Carriers do not necessarily need small cells at the same pole locations because each carrier has its own coverage and capacity criteria.
- **Interference –** antennas, and frequencies used, of some carriers need significant separation to avoid interference and most poles in the right of way do not provide enough vertical space to allow for this separation.
- **Equipment –** poles in the right of way are small and can only support limited equipment. Placing additional equipment to a pole may exceed the structural limits of the pole.
- **Aesthetics –** multiple carriers on a single pole would lead to more equipment and boxes on the pole and could potentially result in a less streamlined design.

Once a wireless facility is placed on a given pole, the Federal Spectrum Act allows for a streamlined process should a second carrier choose to collocate. The applicant will provide a study of the maximum build out permissible by the Act when they submit their formal Major Architectural Review/Conditional Use Permit applications.

Next Steps

The applicant may elect to file formal Major Architectural Review/Conditional Use Permit applications, which would then be followed by staff analysis and a public hearing(s) before the ARB.

Environmental Review

The Preliminary Architectural Review discussion involves no discretionary action and is therefore not a project and not subject to review pursuant to the California Environmental Quality Act (CEQA). If a formal application is filed, an analysis of the project under CEQA will be performed.

Federal Communication Commission's (FCC) Radio Frequency Emission Standards

As part of a formal application, the applicant will submit a detailed report that discusses the small cell deployment node designs at each location in comparison with the Federal Communication Commission's (FCC) radio frequency emission standards. The City will utilize an independent peer review process during the analysis of the formal application to address questions regarding radio frequency emissions/health and safety.

Public Notification, Outreach & Comments

The Palo Alto Municipal Code does not require any particular form of notice for a Preliminary Architectural Review application. Nonetheless, as a practice, the City publishes notice of the review in a local paper and mails owners and occupants of property within 600 feet of the subject property at least ten days in advance. Notice of a public hearing for this project was published in the Palo Alto Weekly on May 5, 2017, which is thirteen (13) days in advance of the meeting. Postcard mailing occurred on May 8, 2017. As some notices were returned, a second mailing occurred on May 9, 2017, which is nine (9) days in advance of the meeting.

Public Comments

Staff received comments and inquiries from members of the public over email and by phone. Multiple members of the public preferred to gather more information before commenting. Staff received comments expressing both support and opposition. Supporters generally cited a desire for improved wireless coverage. Opposition generally cited aesthetic concerns and radio frequency emissions/health and safety concerns. Email correspondence up to May 9, 2017 is included in Attachment D. Copies of any additional correspondence received will be provided to the ARB at the May 18, 2017 meeting.

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Attachments:

- Attachment A: Comprehensive Plan Goals, Policies, and Programs (DOC)
- Attachment B: Municipal Code Section 18.42.110 - Wireless Communication Facilities (DOC)
- Attachment C: Applicant Project Description (PDF)
- Attachment D: Public Correspondence (Received to 5/9/17) (PDF)
- Attachment E: Project Plans (DOCX)

[2] Emails may be sent directly to the ARB using the following address: arb@cityofpaloalto.org

ATTACHMENT A
COMPREHENSIVE PLAN GOALS AND POLICIES
File No. 17PLN-00033

Land Use and Community Design Element

GOAL L-3: Safe, Attractive Residential Neighborhoods, Each With Its Own Distinct Character and Within Walking Distance of Shopping, Services, Schools, and/or other Public Gathering Places.

POLICY L-17: Treat residential streets as both public ways and neighborhood amenities. Provide continuous sidewalks, healthy street trees, benches, and other amenities that favor pedestrians.

GOAL L-4: Inviting, Pedestrian-scale Centers That Offer a Variety of Retail and Commercial Services and Provide Focal Points and Community Gathering Places for the City's Residential Neighborhoods and Employment Districts.

POLICY L-23: Maintain and enhance the University Avenue/Downtown area as the central business district of the City, with a mix of commercial, civic, cultural, recreational and residential uses. Promote quality design that recognizes the regional and historical importance of the area and reinforces its pedestrian character.

- PROGRAM L-19: Support implementation of the Downtown Urban Design Guide.

POLICY L-24: Ensure that University Avenue/Downtown is pedestrian-friendly and supports bicycle use. Use public art and other amenities to create an environment that is inviting to pedestrians.

POLICY L-40: Revitalize Midtown as an attractive, compact Neighborhood Center with diverse local-serving uses, a mix of one- and two-story buildings, adequate parking, and a network of pedestrian-oriented streets, ways and gathering places. Encourage retention of Midtown's grocery stores and encourage a variety of neighborhood retail shops and services.

- PROGRAM L-40: Make improvements to Middlefield Road in Midtown that slow traffic, encourage commercial vitality, make the street more pedestrian-friendly, and unify the northeast and southwest sides of the commercial area, with consideration given to traffic impacts on the residential neighborhood.

POLICY L-48: Promote high quality, creative design and site planning that is compatible with surrounding development and public spaces.

- PROGRAM L-48: Use the Zoning Ordinance, design review process, design guidelines, and Coordinated Area Plans to ensure high quality residential and commercial design.
- PROGRAM L-49: In areas of the City having a historic or consistent design character, design new development to maintain and support the existing character.

POLICY L-49: Design buildings to revitalize streets and public spaces and to enhance a sense of community and personal safety. Provide an ordered variety of entries, porches, windows, bays and balconies along public ways where it is consistent with neighborhood character; avoid blank or solid walls at street level; and include human-scale details and massing.

GOAL L-9: Attractive, Inviting Public Spaces and Streets that Enhance the Image and Character of the City.

POLICY L-66: Maintain an aesthetically pleasing street network that helps frame and define the community while meeting the needs of pedestrians, bicyclists, and motorists.

POLICY L-69: Preserve the scenic qualities of Palo Alto roads and trails for motorists, cyclists, pedestrians, and equestrians.

POLICY L-70: Enhance the appearance of streets and other public spaces by expanding and maintaining Palo Alto's street tree system.

POLICY L-74: Use the work of artists, craftspeople, architects, and landscape architects in the design and improvement of public spaces.

POLICY L-79: Design public infrastructure, including paving, signs, utility structures, parking garages and parking lots to meet high quality urban design standards. Look for opportunities to use art and artists in the design of public infrastructure. Remove or mitigate elements of existing infrastructure that are unsightly or visually disruptive. Capital improvement projects represent substantial public investments. Areas of high pedestrian traffic, especially Centers, should have priority for infrastructure repair. While the purpose of infrastructure is usually utilitarian or functional, attention to design details can add beauty to the City or even remedy an urban design defect. For example, replacing a sidewalk can provide an opportunity to create larger tree wells and provide new street trees.

- PROGRAM L-79: Undertake a coordinated effort by the Public Works, Utilities, and Planning Departments to establish design standards for public infrastructure and examine the effectiveness of City street, sidewalk and street tree maintenance programs.
- PROGRAM L-80: Continue the citywide undergrounding of utility wires. Minimize the impacts of undergrounding on street tree root systems and planting areas.
- PROGRAM L-81: Encourage the use of compact and well-designed utility elements, such as transformers, switching devices, and backflow preventers. Place these elements in locations that will minimize their visual intrusion.

Transportation Element

Goal T-3: Facilities, services and programs that encourage and promote walking and bicycling.

POLICY T-22: Improve amenities such as seating, lighting, bicycle parking, street trees, and interpretive stations along bicycle and pedestrian paths and in City parks to encourage walking and cycling and enhance the feeling of safety.

POLICY T-23: Encourage pedestrian-friendly design features such as sidewalks, street trees, on-street parking, public spaces, gardens, outdoor furniture, art, and interesting architectural details.

Natural Environment Element

GOAL N-8: An Environment That Minimizes the Adverse Impacts of Noise.

POLICY N-40: Evaluate the potential for noise pollution and ways to reduce noise impacts when reviewing development and activities in Palo Alto and surrounding communities.

POLICY N-42: The City may require proposals to reduce noise impacts of development on adjacent properties through appropriate means including, but not limited to, the following: • Construct noise

walls when compatible with aesthetic concerns. • Screen and control noise sources such as parking, outdoor activities and mechanical equipment. • Increase setbacks for noise sources from adjacent dwellings. • Whenever possible, retain fences, walls or landscaping that serve as noise buffers although design, safety and other impacts must be addressed. • Use soundproofing materials and double-glazed windows. • Control hours of operation, including deliveries and trash pickup, to minimize noise impacts.

Business Element

GOAL B-1: A Thriving Business Environment that is Compatible with Palo Alto's Residential Character and Natural Environment.

POLICY B-1: Use a variety of planning and regulatory tools, including growth limits, to ensure that business change is compatible with the needs of Palo Alto neighborhoods. In addition to growth limits, the City will use zoning, development review, environmental review, coordinated area plans, and other planning tools, to maintain compatibility between residential and nonresidential areas.

POLICY B-2: Support a strong interdependence between existing commercial centers and the surrounding neighborhoods as a way of encouraging economic vitality.

POLICY B-3: Recognize that Palo Alto's street tree system is an economic asset to the City.

GOAL B-3: New Businesses that Provide Needed Local Services and Municipal Revenues, Contribute to Economic Vitality, and Enhance the City's Physical Environment.

POLICY B-13: Support the development of technologically-advanced communications infrastructure and other improvements that will facilitate the growth of emerging telecommunications industries.

POLICY B-15: Allow the creative use of City utilities and rights-of-way to ensure competition among networks in providing information systems infrastructure.

Infrastructure

POLICY L-79: Design public infrastructure, including paving, signs, utility structures, parking garages and parking lots to meet high quality urban design standards. Look for opportunities to use art and artists in the design of public infrastructure. Remove or mitigate elements of existing infrastructure that are unsightly or visually disruptive.

PROGRAM L-79: Undertake a coordinated effort by the Public Works, Utilities, and Planning Departments to establish design standards for public infrastructure and examine the effectiveness of City street, sidewalk and street tree maintenance programs.

PROGRAM L-80: Continue the citywide undergrounding of utility wires. Minimize the impacts of undergrounding on street tree root systems and planting areas.

PROGRAM L-81: Encourage the use of compact and well-designed utility elements, such as transformers, switching devices, and backflow preventers. Place these elements in locations that will minimize their visual intrusion.

ATTACHMENT B
PALO ALTO MUNICIPAL CODE SECTION 18.42.110 WIRELESS COMMUNICATION FACILITIES
File No. 17PLN-00033

18.42.110 Wireless Communication Facilities

(a) Purpose and Interpretation

The purpose of this section is two-fold: (A) to implement within the jurisdictional boundaries of the city the applicable zoning, land use and other laws, rules, regulations and policies and procedures applicable to siting applications filed with the city by wireless communications facilities infrastructure owners and operators and wireless communications service providers, which seek to install or attach their facilities at locations in Palo Alto; and (B) to accommodate new wireless technologies and continued improvements to existing wireless communications facilities while minimizing their adverse visual and structural health and safety impacts. Consistent with that purpose, the provisions of this section are to be construed in a manner that is consistent with (1) the interest of consumers in receiving the benefits of the deployment of ultra-high-speed and -capacity broadband wireless communication facilities technology and innovations and the delivery of ultra-high-speed and -capacity broadband wireless communications facilities services, (2) the interest in safeguarding the environment, preserving historic properties, and addressing aesthetics and other local values, and (3) the interest in promoting the public health, safety and welfare in Palo Alto.

A wireless communications facility is permitted to be sited in Palo Alto subject to applicable requirements imposed by this chapter, which may include an architectural review process, a conditional use permit application process, or both. These processes are intended to permit wireless communications facilities that blend with their existing surroundings and do not negatively impact the environment, historic properties, or public safety. The procedures prescribed by this chapter are tailored to the type of wireless communication facility that is sought. Building-mounted wireless communications facilities and collocation of facilities are preferred and encouraged, subject to all other provisions of this section.

(b) Definitions

The following abbreviations, phrases, terms and words shall have the meanings assigned in this section or, as appropriate, in Section 18.04.030 and Section 1.04.050 of the Palo Alto Municipal Code, as may be amended from time to time, unless the context indicates otherwise. Words that are not defined in this section or other chapters or sections of the Palo Alto Municipal Code shall have the meanings as set forth in Chapter 6 of Title 47 of the United States Code, Part 1 of Title 47 of the Code of Federal Regulations, and, if not defined therein, their common and ordinary meaning.

(1) **"Antenna"** means a wireless antenna and its associated equipment. The term includes a macrocell antenna and a microcell antenna.

(2) **"Associated equipment"** means any and all on-site equipment, including, without limitation, back-up generators and power supply units, cabinets, coaxial and fiber optic cables, connections, shelters, radio transceivers, regular power supply units, and wiring, to which a wireless antenna is attached in order to facilitate mobile broadband service and personal wireless service delivered on mobile broadband devices.

(3) **"Base Station"** means a structure or equipment at a fixed location that enables FCC-licensed or authorized wireless communications between user equipment and a communications network. The term does not encompass a tower as defined herein or any equipment associated with a tower. Base Station includes, without limitation:

(i) Equipment associated with wireless communications services such as private, broadcast, and public safety services, as well as unlicensed wireless services and fixed wireless services such as microwave backhaul.

(ii) Radio transceivers, antennas, coaxial or fiber-optic cable, regular and backup power supplies, and comparable equipment, regardless of technological configuration (including Distributed Antenna Systems ("DAS") and small-cell networks).

(iii) Any structure other than a tower that, at the time the relevant application is filed with the city under this section, supports or houses equipment described in paragraphs (i)-(ii) above and has been previously reviewed and approved by the city.

(4) **"Collocation"** means the mounting or installation of transmission equipment on an eligible support structure for the purpose of transmitting and/or receiving radio frequency signals for communications purposes.

(5) **"Eligible Facilities Request"** means any request for modification of an existing tower or base station that, within the meaning of the Spectrum Act, does not substantially change the physical dimensions of that tower or base station, and involves (a) the collocation of new transmission equipment, (b) the removal of transmission equipment, or (c) the replacement of transmission equipment.

(6) **"Eligible Support Structure"** means any existing tower or base station that exists at the time the application is filed with the city.

(7) **"Existing"** for a constructed tower or base station, means that the tower or base station has been previously reviewed and approved under the applicable city zoning or siting process, or under another applicable state or local regulatory review process, provided that a tower that has not been reviewed and approved because it was not in a zoned area when it was built, but was lawfully constructed, is "Existing" for purposes of this definition.

(8) **"FCC"** means the Federal Communications Commission or successor agency.

(9) **"Project"** means a WCF to be located in Palo Alto for which a permit is required by the city.

(10) **"RF"** means radio frequency on the radio spectrum.

(11) **"Spectrum Act"** means Section 6409(a) of the Middle Class Tax Relief Act and Job Creation Act of 2012, 47 U.S.C. § 1455(a) (providing, in part, "… a State or local government may not deny, and shall approve, any Eligible Facilities Request for a modification of any existing wireless Tower or Base Station that does not substantially change the physical dimensions of such Tower or Base Station.").

(12) **"Substantially Changes"** means, in the context of an eligible support structure, a modification of an existing tower or base station where any of the following criteria is met:

(i) For a tower not located in the public rights-of-way:

(a) The height of the tower is increased by (I) more than ten (10) percent, or (II) by the height of one additional antenna array with separation from the nearest existing antenna not to exceed twenty (20) feet, whichever is greater; or

(b) There is added an appurtenance to the body of the tower that would protrude from the edge of the tower by (I) more than twenty (20) feet, or (II) more than the width of the tower at the level of the appurtenance, whichever is greater.

(ii) For a tower located in the public rights-of-way and for all base stations:

(a) The height of the tower or base station is increased by more than ten (10) percent or ten (10) feet, whichever is greater; or

(b) There is added an appurtenance to the body of that structure that would protrude from the edge of that structure by more than six (6) feet; or

(c) It involves the installation of ground cabinets that are more than ten (10) percent larger in height or overall volume than any other ground cabinets associated with the structure; or

(d) It involves the installation of any new equipment cabinets on the ground if there is no pre-existing ground cabinet associated with that structure.

(iii) For any eligible support structure:

(a) It involves the installation of more than the standard number of new equipment cabinets for the technology involved, but not to exceed four (4) cabinets; or

(b) There is entailed in the proposed modification any excavation or deployment outside of the current site of the tower or base station; or

(c) The proposed modification would cause the concealment/camouflage elements of the tower or base station to be defeated; or

(d) The proposed modification would not comply with the conditions associated with the prior siting approval of construction or modification of the tower or base station, unless the non-compliance is due to an increase in height, increase in width, addition of cabinets, or new excavation that does not exceed the corresponding thresholds in this section.

(iv) To measure changes in height for the purposes of this section, the baseline is:

(a) For deployments that are or will be separated horizontally, measured from the original support structure;

(b) For all others, measured from the dimensions of the tower or base station, inclusive of originally approved appurtenances and any modifications that were approved by the city prior to February 22, 2012.

(v) To measure changes for the purposes of this section, the baseline is the dimensions that were approved by the city prior to February 22, 2012.

(13) **"Tower"** means any structure built for the sole or primary purpose of supporting any FCC-licensed or -authorized antenna, including any structure that is constructed for wireless communications service. This term does not include a base station.

(14) **"Transmission Equipment"** means equipment that facilitates transmission of any FCC-licensed or authorized wireless communication service.

(15) **"Wireless Communications Facility"** or **"WCF"** means any antenna, associated equipment, base station, small cell system, tower, and/or transmission equipment located in Palo Alto.

(16) **"Wireless Communications Service"** means, without limitation, all FCC-licensed back-haul and other fixed wireless services, broadcast, private, and public safety communication services, and unlicensed wireless services.

(c) Types of WCF Permits Required

(1) A Tier 1 WCF Permit shall be required for an eligible facilities request, as defined in this section.

(2) A Tier 2 WCF Permit shall be required for:

(i) Any modification of an eligible support structure, including the collocation of new equipment, that substantially changes the physical dimensions of the eligible support structure on which it is mounted; or

(ii) Any collocation not eligible for a Tier 1 WCF Permit.

(3) A Tier 3 WCF Permit shall be required for the siting of any WCF that is not a collocation subject to a Tier 1 or 2 WCF Permit.

(d) WCF Application Requirements

All applications for a WCF Permit shall include the following items:

(1) Any applicant for a WCF Permit shall participate in an intake meeting with the Planning and Community Environment Department to file an application;

(2) The applicant must specify in writing whether the applicant believes the application is for an eligible facilities request subject to the Spectrum Act, and if so, provide a detailed written explanation as to why the applicant believes that the application qualifies as an eligible facilities request;

(3) The applicant shall complete the city's standard application form, as may be amended from time to time;

(4) The applicant shall include a completed and signed application checklist available from the city, including all information required by the application checklist;

(5) Payment of the fee prescribed by the Municipal Fee Schedule;

(6) The application must be accompanied by all permit applications with all required application materials for each separate permit required by the city for the proposed WCF, including a building permit, an encroachment permit (if applicable) and an electrical permit (if applicable);

(7) For Tier 2 and 3 WCF Permits, the applicant must host a community meeting at a time and location designed to maximize attendance by persons receiving notice under this subparagraph to provide outreach to the neighborhood around the project site. The applicant shall give notice of the community meeting to all residents and property owners within 600 feet of the project site at least 14 days in advance of the community meeting. The applicant shall provide a proof of notice affidavit to the city that contains:

(i) Proof that the applicant noticed and hosted the community meeting before filing the application;

(ii) A summary of comments received at the community meeting and what, if any, changes were made to the application as a result of the meeting;

(8) For Tier 3 WCF Permits, the plans shall include a scaled depiction of the maximum permitted increase in the physical dimensions of the proposed project that would be permitted by the Spectrum Act, using the proposed project as a baseline; and

(9) Satisfy other such requirements as may be, from time to time, required by the Planning and Community Environment Department Director ("Director"), as publically stated in the application checklist.

(e) Permit Review ("Shot Clock") Time Periods

(1) City review of application materials. The timeframe for review of an application shall begin to run when the application is submitted, but shall be tolled if the city finds the application incomplete and provides notice of incompleteness that delineates the missing information in writing. Such requests shall be made within 30 days of submission of the application. After submission of additional information, the city will notify the applicant within 10 days of this submission if the additional information failed to complete the application. If the city makes a determination pursuant to Section 18.42.110(e)(2)(i) that an application submitted as a Tier 1 eligible facilities request should be processed as a Tier 2 or Tier 3, then the Tier 2 or Tier 3 processing time, as applicable, shall begin to run when the city issues this decision.

(2) Tier 1 processing time. For Tier 1 WCF Permit applications, the city will act on the WCF application, together with any other city permits required for a proposed WCF modification, within 60 days, adjusted for any tolling due to requests for additional information or mutually agreed upon extensions of time.

(i) If the city determines that the application does not qualify as a Tier 1 eligible facilities request, the city will notify the applicant of that determination in writing and will process the application as a Tier 2 or Tier 3 WCF Permit application, as applicable.

(ii) To the extent federal law provides a "deemed granted" remedy for Tier 1 WCF Permit applications not timely acted upon by the city, no such application shall be deemed granted until the applicant provides notice to the city, in writing, that the application has been deemed granted after the time period provided in Section (e)(2) above has expired.

(iii) Any Tier 1 WCF Permit application that the city grants or that is deemed granted by operation of federal law shall be subject to all requirements of Section 18.42.110(i)(3), (5), (6) and (7) and 18.42.110(j)(1), (2), (3), (4), (5) and (6).

(3) Tier 2 processing time. For Tier 2 WCF Permit applications, the city will act on the application within 90 days, adjusted for any tolling due to requests for additional information or mutually agreed upon extensions of time.

(4) Tier 3 processing time. For Tier 3 WCF Permit applications, the city will act on the application within 150 days, adjusted for any tolling due to requests for additional information or mutually agreed upon extensions of time.

(5) Denial of application. If the city denies a WCF application, the city will notify the applicant of the denial in writing of the reasons for the denial.

(f) Tier 1 WCF Permit Process and Findings

(1) A Tier 1 WCF Permit shall be reviewed by the Director. The Director's decision shall be final and shall not be appealable pursuant to the procedures set forth in Chapters 18.77 or 18.78;

(2) The Director shall grant a Tier 1 WCF Permit provided that the Director finds that the applicant proposes an eligible facilities request;

(3) The Director shall impose the following conditions on the grant of a Tier 1 WCF Permit:

(i) The proposed collocation or modification shall not defeat any existing concealment elements of the support structure; and

(ii) The proposed WCF shall comply with the development standards in Section 18.42.110(i)(3), (5), (6) and (7), and the conditions of approval in Section 18.42.110(j).

(g) Tier 2 WCF Permit Process and Findings

(1) A Tier 2 WCF Permit shall be reviewed by the Director. The Director's decision shall be appealable pursuant to the process for architectural review set forth in Section 18.77.070.

(2) The Director, or Council on appeal, shall grant a Tier 2 WCF Permit provided the proposed WCF complies with the development standards in Section 18.42.110(i) and the conditions of approval in Section 18.42.110(j), and all of the architectural review findings in Section 18.76.020(d) can be made.

(3) The Director, or Council on appeal, shall deny a Tier 2 WCF Permit if the above findings cannot be made.

(h) Tier 3 WCF Permit Process and Findings

(1) A Tier 3 WCF Permit shall be reviewed by the Director. The Director's decision shall be appealable pursuant to the process for architectural review set forth in Section 18.77.070 and the process for conditional use permits set forth in Section 18.77.060.

(2) The Director or Council on appeal shall grant a Tier 3 WCF Permit provided the proposed WCF complies with the development standards in Section 18.42.110(i) and the conditions of approval in Section 18.42.110(j), and all of the architectural review findings in Section 18.76.020(d) and the conditional use permit findings in Section18.76.010(c) can be made.

(3) The Director, or Council on appeal, shall deny a Tier 3 WCF Permit if the above findings cannot be made.

(i) Development Standards

Except as otherwise provided in this section, a proposed WCF Project shall comply with the following standards:

(1) Shall utilize the smallest footprint possible;

(2) Shall be designed to minimize the overall height, mass, and size of the cabinet and enclosure structure;

(3) Shall be screened from public view;

(4) Shall be architecturally compatible with the existing site;

(5) Shall be placed at a location that would not require the removal of any required landscaping or would reduce the quantity of landscaping to a level of noncompliance with the Zoning Code;

(6) An antenna, base station, or tower shall be designed to minimize its visibility from off-site locations and shall be of a "camouflaged" or "stealth" design, including concealment, screening, and other techniques to hide or blend the antenna, base station, or tower into the surrounding area;

(7) A building-mounted antenna, base station, or tower shall be architecturally compatible with the existing building on which the antenna, base station, or tower is attached;

(8) For any Tier 2 or Tier 3 WCF proposed to be attached on an historic structure/site, as designated by Chapter 16.49, historic review shall also be required;

(9) Except as otherwise permitted by the Spectrum Act, a building-mounted WCF may extend fifteen (15) feet beyond the permitted height of the building in the zone district;

(10) Except as otherwise permitted by the Spectrum Act, a tower or other stand-alone Tier 3 WCF Project shall not exceed sixty-five (65) feet in height; and

(11) A tower or other stand-alone Tier 3 WCF may encroach into the interior/street side and rear setback.

(j) Conditions of Approval

In addition to any other conditions of approval permitted under federal and state law and this Code that the Director deems appropriate or required under this Code, all WCF Projects approved under this chapter, whether approved by the Director or deemed granted by operation of law, shall be subject to the following conditions of approval:

(1) Permit conditions. The grant or approval of a WCF Tier 1 Permit shall be subject to the conditions of approval of the underlying permit, except as may be preempted by the Spectrum Act.

(2) As-built plans. The applicant shall submit to the Director an as-built set of plans and photographs depicting the entire WCF as modified, including all transmission equipment and all utilities, within ninety (90) days after the completion of construction.

(3) Applicant shall hire a radio engineer licensed by the State of California to measure the actual radio frequency emission of the WCF and determine if it meets FCC's standards. A report, certified by the engineer, of all calculations, required measurements, and the engineer's findings with respect to compliance with the FCC's radio frequency emission standards shall be submitted to the Planning Division within one year of commencement of operation.

(4) Indemnification. To the extent permitted by law, the applicant shall indemnify and hold harmless the city, its City Council, its officers, employees and agents (the "indemnified parties") from and against any claim, action, or proceeding brought by a third party against the indemnified parties and the applicant to attack, set aside or void, any permit or approval authorized hereby for the Project, including (without limitation) reimbursing the city for its actual attorneys' fees and costs incurred in defense of the litigation. The city may, in its sole discretion and at Applicant's expense, elect to defend any such action with attorneys of its own choice.

(5) Compliance with applicable laws. The applicant shall comply with all applicable provisions of the Code, any permit issued under this Code, and all other applicable federal, state and local laws (including without limitation all building code, electrical code and other public safety requirements). Any failure by the City to enforce compliance with any applicable laws shall not relieve any applicant of its obligations under this code, any permit issued under this code, or all other applicable laws and regulations.

(6) Compliance with approved plans. The proposed Project shall be built in compliance with the approved plans on file with the Planning Division.

(k) Removal of Abandoned Equipment

A WCF (Tier 1, Tier 2, or Tier 3) or a component of that WCF that ceases to be in use for more than ninety (90) days shall be removed by the applicant, wireless communications service provider, or property owner within ninety (90) days of the cessation of use of that WCF. A new conditional use permit shall not be issued to an owner or operator of a WCF or a wireless communications service provider until the abandoned WCF or its component is removed.

(l) Revocation

The Director may revoke any WCF Permit if the permit holder fails to comply with any condition of the permit. The Director's decision to revoke a Permit shall be appealable pursuant to the process for architectural review set forth in Section 18.77.070 and the process for conditional use permits set forth in Section 18.77.060.
(Ord. 5340 § 1 (part), 2015)

Summary of Questions for the ARB

Design Configurations

Is there a preference between a pole mounted or ground mounted cabinet for the emergency battery backup?

Verizon Wireless is seeking feedback on the configuration of the pole mounted equipment: what does the ARB prefer for the alignment of the radios on the pole (vertical as in Config 1&3 or horizontal as in Config 2), even if no battery exists on the pole?

Verizon Wireless is seeking feedback from the Architectural Review Board on a final shade of brown paint for equipment attached to wood poles. Additionally, should all pole mounted equipment including mounts, cabling and conduits be painted?

Ground Cabinet

If a ground based cabinet is used, does the ARB prefer a cabinet painted to blend in with surroundings or the use of street furniture to "stealth" the emergency battery backup?

If the ground cabinet is to be painted, Verizon Wireless is seeking feedback from the Architectural Review Board on a shade of green paint to be used for ground based emergency battery equipment.

Is street furniture preferred over an art wrap for the ground based emergency battery cabinet?

If street furniture is preferred, is there a favored design?

If an art wrap is preferred, are there suggestions for ways to incorporate the community into the design?

Model Small Cell

Verizon Wireless is seeking the feedback of the Architectural Review Board on the design for the ground cabinet at the proposed model small cell (Permit 17PLN-00063). If a wrap is chosen, it may create a unique opportunity for a community art project in collaboration with the City Art Department.

Verizon Wireless – Project Description

Verizon Wireless is seeking a Preliminary Review for the design of proposed small cell attachments on wood poles owned and operated by the City of Palo Alto Utilities (CPAU). A brief overview is provided of Verizon Wireless' citywide efforts to provide more robust wireless service to the City of Palo Alto through the colocation of small cells on existing city-owned infrastructure. Small cells are currently proposed in three (3) configurations that are dependent on whether emergency battery backup is needed at a location, as well as the design opportunities and constraints of specific pole locations. Details of the design options for the proposed three (3) configurations are presented here for consideration and feedback by the Architectural Review Board.

Project Overview

Verizon Wireless has entered a Master License Agreement ("MLA") with the City of Palo Alto allowing the attachment of antennas and other equipment ("small cells") on city owned infrastructure in the right-of-way (ROW). Based on the need to provide network coverage and capacity, Verizon Wireless Radio engineers identify locations throughout the city that require service. Ninety-two (92) such wireless communication facility ("WCF") installations are currently planned to be co-located on wood utility poles and metal streetlights. Eighty (80) of these small cells are proposed to be co-located on existing wood utility poles; only twelve (12) small cells are proposed to be installed on existing city streetlights. Verizon Wireless and CPAU are still working out the specifics for streetlight locations, *so their design is not addressed in this application.* These small cells will provide the City of Palo Alto much needed improvements in network capacity and coverage.

Submissions for formal review by the ARB will be in groupings of applications or "clusters", the first of which (Cluster 1) contains eighteen (18) proposed small cells. Cluster 1 contains only wood utility poles, therefore at this time Verizon Wireless is seeking design feedback from the Architectural Review Board *exclusively for the configuration and design of only small cells located on wood poles*. Additionally, of the ninety-two (92) currently anticipated citywide small cell locations, eighty (80) are conceived on wood poles, so this design warrants an in-depth discussion.

Community Need for Small Cells

The unprecedented current and future demand for wireless service requires the densification of existing cellular networks. As a result, wireless communication facilities are diminishing in height and being located closer to the user to meet both daily needs as well as provide essential coverage for emergency personnel. While terrain is relatively flat, the dense foliage of the tree canopy combined with difficulty in permitting macro wireless communication facilities presents unique challenges in the provision of coverage to the City of Palo Alto. Verizon Wireless must increase both coverage and capacity throughout the city to meet current and future customer demand. *Attachment A – Coverage Maps* contains coverage maps that depict this need for coverage in the city. As the map demonstrates, there are significant gaps in the coverage area where Verizon Wireless has proposed the eighteen (18) Cluster 1 small cells.

Small Cells are the least visually intrusive method to provide the City of Palo Alto the required capacity and coverage. The miniaturization of the equipment used for cellular communications allows for these

small cells to be located on existing infrastructure, reducing the need for new WCF structures and minimizing visual impact to the surrounding community. Additionally, these small cells are able to be located in areas where traditional "macro" wireless communication facilities cannot be located, so that essential communication services can be provided to critical areas all while co-locating on existing infrastructure. Furthermore, the addition of these small cells will both meet the current coverage and capacity needs, as well as provide the road map to future technologies for the next generation of wireless capability to the community in Palo Alto.

Siting Guidelines

Small cells differ from traditional "macro" cells in that their miniature quality dictates that they cover only a very small area and therefore can only move a short distance (measured in feet) within an identified area of need. In selecting a specific pole to serve an area, Verizon Wireless performs a thorough analysis of the existing infrastructure utilizing the Siting Guidelines from *Attachment B – Siting Guidelines* to determine the most appropriate location.

The standards contained in the Small Cell Siting Guidelines working document have been developed by compiling the criteria and constraints of various regulating agencies. In siting small cells, Verizon Wireless is required to adhere to the standards of the California Public Utilities Commission (General Order 95 Requirements, Rule 94); the engineering and real estate requirements of property owner City of Palo Alto Utilities (CPAU); Development Standards for wireless communication facility (WCF) locations from PAMC §18.42.110(i); and the Architectural Review Findings of PAMC §18.76.020. Criteria have been further adjusted as city staff from Planning, Urban Forestry, CPAU, and the Art Department have all made time to attend site walks with Verizon Wireless real estate, engineering and construction teams in their fielding efforts. Additionally, previous small cell and DAS installations in the City of Palo Alto were analyzed to take into account previous findings and recommendations by staff, the public and reviewing bodies.

Pole Selection / Alternative Site Analysis

Based on the need to provide network coverage and capacity, Verizon Wireless Radio Frequency engineers identify locations or "nodes" throughout the city to improve and optimize network performance. Each proposed node is then visited by a team to identify existing city-owned structures available for colocation within the proposed coverage area. During this fielding walk, criteria and constraints are applied by City of Palo Alto Utilities Engineering, as well as Verizon Wireless Engineering, Real Estate and Construction to determine the most suitable pole, subsequently identified as the "primary" location. Additional poles within the coverage area are either designated as viable alternatives or eliminated for the various reasons outlined in the guidelines. These criteria have been compiled into the Small Cell Siting Guidelines previously mentioned and contained in *Attachment B – Siting Guidelines*.

Beyond the Engineering Criteria, pole selection is based on a thoughtful consideration of the surrounding environment in which the proposed small cell is located. Poles with existing favorable site features such as landscaping and tree foliage are prioritized to provide natural screening to reduce the visual impact of small cell attachments. Poles are selected to reduce the impact on views from streets as well as adjacent residences. Site selection was further constrained to avoid poles located in private residential easements (e.g. backyards) and close proximity to second story windows.

Because small cells have less flexibility in where they can be located, they can only be moved a short distance while maintaining the required performance. In *Attachment C – Prelim ARB Alternative Siting Analysis*, Verizon Wireless has prepared three (3) examples for the Architectural Review Board to demonstrate some of the opportunities and constraints that determine which pole has been selected for a particular small cell location. For each node, a map of poles considered has been provided, along with a detailed table outlining the reasons why the alternate poles were not feasible.

As those alternative site analyses demonstrate, many seemingly suitable poles must be eliminated for engineering or other reasons.

Quite often, as these three (3) examples demonstrate, there is only one suitable pole for a small cell within a designated coverage area.

Small Cell Node Design Requirements

Verizon Wireless has engineered these small cells utilizing the most streamlined equipment available to meet the capacity and coverage requirements. For each small cell, Verizon Wireless network engineering requires one (1) antenna, three (3) radios, one (1) small electrical disconnect box, in some cases a battery backup unit located either on the pole or on the ground adjacent to the pole, and associated conduit for RF and electrical cabling. Details of how this equipment is attached to wood poles are depicted in *Attachment D – Proposed Configurations*. Further specifications of each piece of equipment are outlined on the detail pages (D-1, D-2) of the site plans contained in *Attachment D – Configurations 1, 2, and 3*.

Much of the pole-mounted equipment design has been determined by regulatory agencies, such as the California Public Utilities Commission (CPUC). It would be impossible within the scope of this document to cover the breadth, but in its General Order 95, the CPUC outlines a set of standards relating to attachments meant to ensure safety for the public, workers and equipment. To maintain the required clearance from power distribution, the antenna is mounted on a GO95 approved seven-foot (7') pole-top bayonet mount. Placement of the radios and associated equipment is also fairly constrained. All pole mounted equipment must be located a minimum seven-foot (7') clearance from the ground. The required minimum four-inch (4") horizontal clearance from the pole is maintained using a sled-style mount. Radios and associated equipment are attached to this mount as flush as is possible, given existing pole conditions, and in no case, is the distance greater than twelve inches (12"). This equipment must also be arranged on the pole in a manner that will preserve climbing space, ensuring that utility workers have safe and reliable access. Required small cell equipment specifications further constrain the way equipment can be attached. For example, the coaxial cable used to connect radios to the antenna must maintain a minimum bend radius of six inches (6"); anything less would cause damage to the cable compromising the performance.

To further its commitment to provide essential communications during a disaster resulting in loss of power, Verizon Wireless has proposed four (4) hours of battery backup on the most essential small cell nodes. Battery backup will provide critical network coverage for First Responders and users should power be lost. The City of Palo Alto Emergency Management Services uses the Verizon Wireless network for their cellular communication. Verizon Wireless Engineering has a strong preference to have emergency battery back up on all eighteen (18) nodes in Cluster 1. However, Verizon Wireless recognizes the increased visual effect of additional batteries and to reduce that impact, has selected only the most essential locations. For each site with battery back up the small cell will also require either one (1) ground mount battery cabinet or one (1) pole mount battery backup with an additional

disconnect, and the additional associated cabling to the cabinet. *Is there a preference between a pole mounted or ground mounted cabinet for the emergency battery backup?*

Required equipment has been arranged into the three (3) aforementioned proposed configurations, with selection dependent on the engineering requirements of a small cell coverage area, as well as the constraints of a particular pole location. If the location is suitable for a ground box, then that is the preferred method of providing critical battery backup and radios are then arranged vertically on the pole. If emergency battery backup is required, but the pole location is not suitable for a ground based cabinet, then the battery unit is placed on the pole and the radios are arranged horizontally. It is assumed that both fiber and power will be provided via an aerial drop from above on the pole.

The assignment of configurations for each proposed small cell in Cluster 1 is provided in *Attachment D – Cluster 1 Configurations*; a map is provided in *Attachment G –Map of Cluster 1 Configurations*.

Verizon Wireless is seeking feedback on the configuration of the pole mounted equipment: what does the ARB prefer for the alignment of the radios on the pole (vertical as in Config 1&3 or horizontal as in Config 2), even if no battery exists on the pole?

As currently conceived, wood pole designs would require all pole mounted equipment to be painted brown to blend with the pole. Paint samples (Kelly Moore: Railroad Ties KMA67, Log Cabin KMA76 and Clay Bath KM4595) are included in *Attachment H – Proposed Paint Samples*.

Verizon Wireless is seeking feedback from the Architectural Review Board on a final shade of brown paint for equipment attached to wood poles. Additionally, should all pole mounted equipment including mounts, cabling and conduits be painted?

Configuration 1: Emergency battery backup critical

The proposed Configuration 1 is designed with one (1) antenna, three (3) radios, and one (1) disconnect arranged vertically on the pole and the emergency battery backup cabinet installed on the ground adjacent to the pole. This is the Verizon Wireless Engineering preferred design as it contains emergency battery backup to maintain coverage for all three (3) radios for a total of four (4) hours, in case of a disaster resulting in loss of power. It is assumed that both fiber and power will be provided via an aerial drop from above on the pole minimizing the ground disturbance to a small (approximately five (5) to ten (10) feet) trench for this scenario.

For Configuration 1 only, the ground box is placed on a 32" x 32" concrete pad, with a 54" tall cabinet, and is currently conceived to be painted a green color to blend in with surrounding landscaping. If natural screening does not exist, it will be proposed. *Paint samples (Kelly Moore: Lone Pine KM4798 and Acanthus Leaf KM4796) are included in Attachment H – Proposed Paint Samples and Verizon Wireless is seeking feedback from the Architectural Review Board on a final selection.*

In addition to paint Verizon Wireless has engineered some street furniture options to provide further stealthing in areas where deemed necessary. Available street furniture options include benches, a green relay mailbox or trash can. The emergency battery cabinet also creates a unique opportunity for public art projects such as art wraps. All options are outlined in *Attachment I – Proposed Ground Cabinet Stealth Options*. *Verizon Wireless is seeking feedback from the Architectural Review Board for the street furniture as well as the art wrap concept.*

Three (3) nodes of Cluster 1 are designed with Configuration 1. For reference, these locations are shown in *Attachment G –Map of Cluster 1 Configurations* and *Attachment D – Configuration 1,* contains more details of the design. Node 143 is the example provided for this configuration and detailed site plans are contained in the plan set.

Verizon Wireless is seeking feedback on the configuration of the pole mounted equipment: what does the ARB prefer for the alignment of the radios on the pole (vertical as in Config 1&3 or horizontal as in Config 2), even if no battery exists on the pole?

Verizon Wireless is seeking feedback from the Architectural Review Board on a final shade of brown paint for equipment attached to wood poles. Additionally, should all pole mounted equipment including mounts, cabling and conduits be painted?

If a ground based cabinet is used, does the ARB prefer a cabinet painted to blend in with surroundings or the use of street furniture to "stealth" the emergency battery backup?

If the ground cabinet is to be painted, Verizon Wireless is seeking feedback from the Architectural Review Board on a shade of green paint to be used for ground based emergency battery equipment.

Is street furniture preferred over an art wrap for the ground based emergency battery cabinet?

If street furniture is preferred, is there a favored design?

If an art wrap is preferred, are there suggestions for ways to incorporate the community into the design?

Configuration 2: Emergency battery backup essential, but no space

The proposed Configuration 2 is designed with one (1) antenna, three (3) radios, two (2) disconnects, and emergency battery cabinet, all located on the pole. Verizon Wireless selects this scenario for locations where battery is required, but there is insufficient space for a ground cabinet. The radios are arranged horizontally on the pole, so there is space for the battery cabinet. The modification from a ground cabinet to a pole mounted design for the emergency does entail a significant concession in the capability. Configuration 2 will provide four (4) hours of battery backup for only one (1) radio on the small cell. In comparison, the ground mounted cabinet from Configurations 1 will provide a full four (4) hours of battery backup for all three (3) radios. As a result, when Configuration 2 is installed, in case of a disaster resulting in loss of power, there would be reduction in network capacity at this particular location. It is assumed that both fiber and power will be provided via an aerial drop from above on the pole.

Two (2) nodes of Cluster 1 are designed with Configuration 2. For reference these locations are shown in *Attachment G –Map of Cluster 1 Configurations* and *Attachment D – Configuration 2,* contains more details of the design. Node 135 is the example provided for this configuration and detailed site plans are contained in the plan set.

Verizon Wireless is seeking feedback from the Architectural Review Board on a final shade of brown paint for equipment attached to wood poles. Additionally, should all pole mounted equipment including mounts, cabling and conduits be painted?

Configuration 3: Emergency battery backup currently not proposed

The proposed Configuration 3 is designed with one (1) antenna, three (3) radios, and one (1) disconnect installed. Battery backup is not proposed in this design.

As previously mentioned, Verizon Wireless Engineering prefers emergency battery backup at all small cell locations. However, given the potential visual impact, Verizon has decided at this time not to request the additional equipment required to provide backup battery service. While the pole mounted battery in Configuration 2 represents a significant concession in emergency battery capability, it is critical to emphasize that Configuration 3 *provides absolutely no emergency battery backup and in case of a disaster resulting in loss of power, there would be a significant reduction in network capacity and coverage at this particular location.* It is assumed that both fiber and power will be provided via an aerial drop from above on the pole.

Thirteen (13) nodes of Cluster 1 are designed with Configuration 3. For reference, these locations are shown in in *Attachment G –Map of Cluster 1 Configurations* and *Attachment D – Configuration 3,* contains more details of the design. Node 139 is the example provided for this configuration and detailed site plans are contained in the plan set.

Verizon Wireless is seeking feedback on the configuration of the pole mounted equipment: what does the ARB prefer for the alignment of the radios on the pole (vertical as in Config 1&3 or horizontal as in Config 2), even if no battery exists on the pole?

Verizon Wireless is seeking feedback from the Architectural Review Board on a final shade of brown paint for equipment attached to wood poles. Additionally, should all pole mounted equipment including mounts, cabling and conduits be painted?

Submission in Clusters

Based on detailed discussions with the city, Verizon Wireless will submit its Conditional Use and Architectural Review (CUP/ARB) applications for consideration in five separate "clusters", easing the burden on staff so that they may prepare one staff report per cluster. The currently planned small cells have been divided based on geography and therefore these groupings by neighborhood will aid Verizon Wireless in their community outreach for the project.

Even though these proposed small cells will be submitted in clusters and are linked to the greater Verizon Wireless network, it is important to note that each wireless communication facility (WCF) acts independently of any other small cell. The utility of each node is not dependent on a neighbor or any other node.

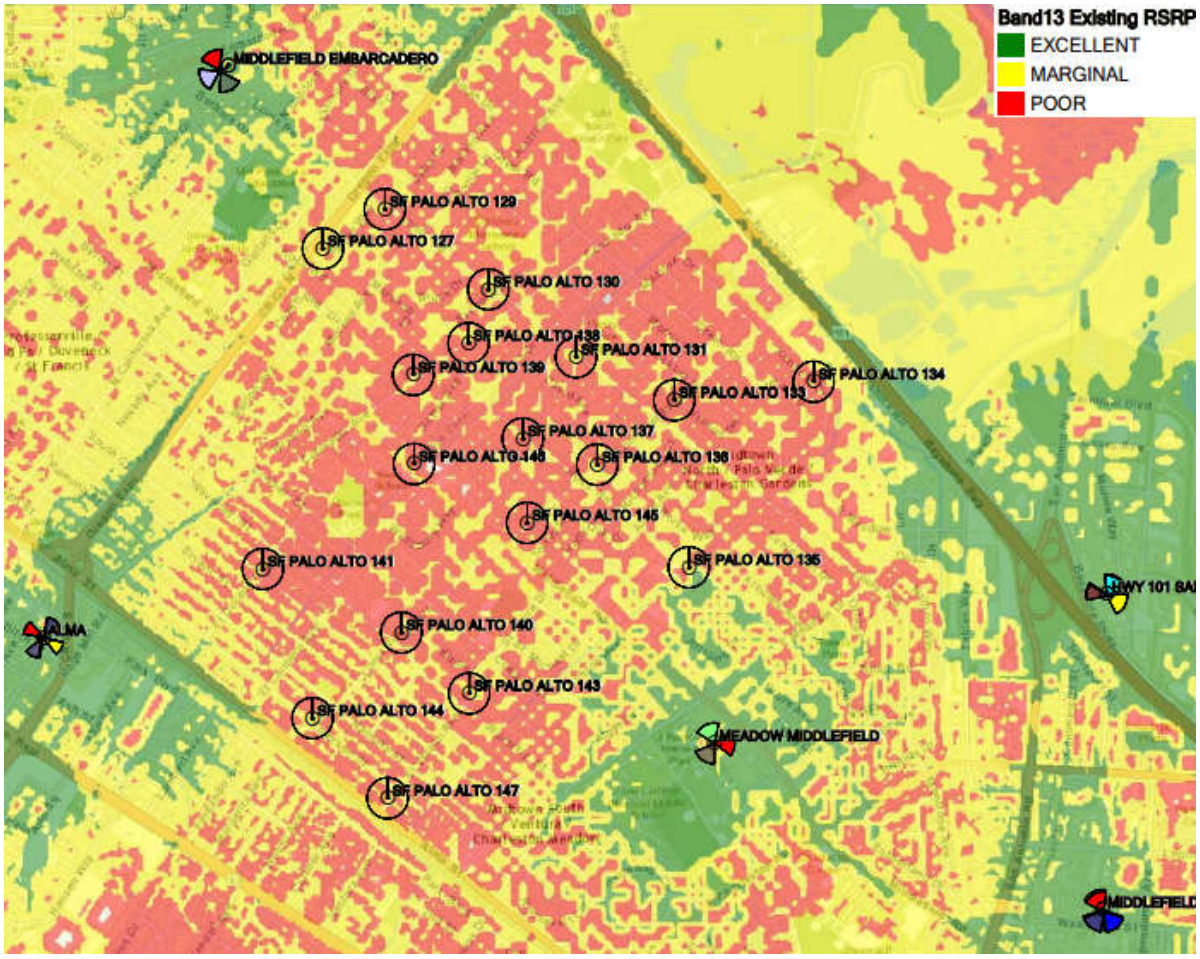
Model Small Cell

To make transparent for staff and the community how a small cell will look in the real world, Verizon Wireless has applied for Architectural Review (Permit #17PLN-00063) to locate a mock-up on the CPAU wood pole adjacent to 1350 Newell Road. Both pole mounted equipment and the ground mounted emergency battery backup cabinet are proposed to be located here (Configuration #1). The equipment would not be operational while the pole is used for a model small cell. The proposed location as well as

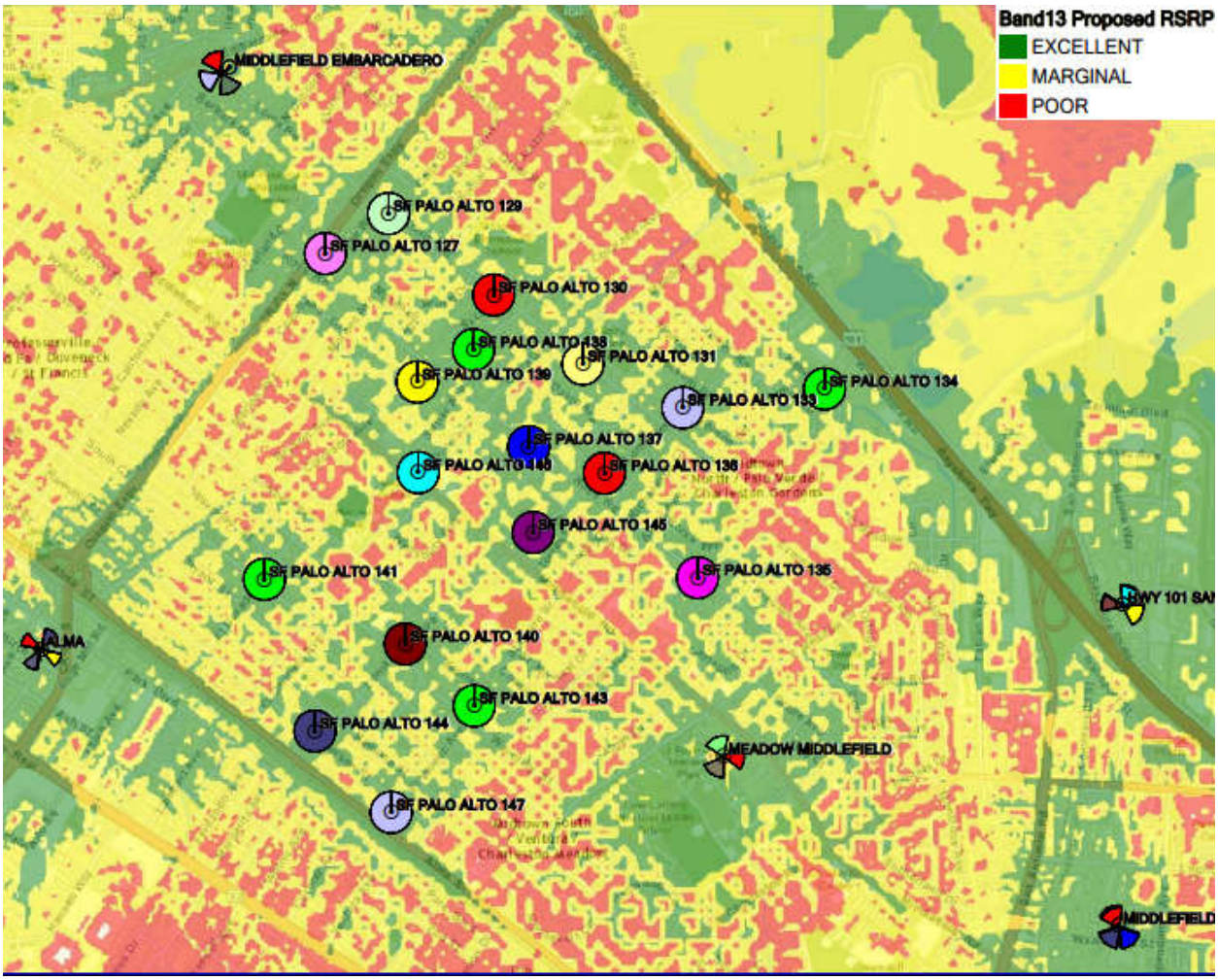
a photo simulation of the model small cell are shown in a photo in *Attachment J – Proposed Model Small Cell*.

Verizon Wireless is seeking the feedback of the Architectural Review Board on the design for the ground cabinet at the proposed model small cell (Permit 17PLN-00063). Because there is already a park bench at this location, it may be more suitable to a ground box. If a wrap is chosen for the box, it may create a unique opportunity for a community art project in collaboration with the City Art Department.

Attachment A – Coverage Maps



Existing coverage area – small cells in Cluster 1 turned OFF.



Proposed Coverage – small cells in Cluster 1 turned ON.

Attachment B – Small Cell Siting Guidelines

Vinculums Services has created this working document, a compilation of criteria and constraints of various regulating agencies, on behalf of Verizon Wireless in its efforts to site small cells in Palo Alto. Verizon Wireless is required to adhere to the standards of the California Public Utilities Commission (General Order 95 Requirements); the engineering and real estate requirements of property owner City of Palo Alto Utilities (CPAU);

City of Palo Alto Development Standards for wireless communication facility (WCF) locations from PAMC §18.42.110(i); and the Architectural Review Findings of PAMC §18.76.020.

Engineering Criteria

Nature of Small Cells--small cells differ from traditional "macro" cells in that their miniature quality dictates that they can only move a very small distance (measured in feet) and still serve their intended purpose.

Verizon Wireless engineering proposed locations are fielded using the criteria below to select a utility pole or streetlight from existing city infrastructure:

City of Palo Alto Utility (Pole Owner) Pole Attachment Mandates

- All Attachments must meet California Public Utilities General Order 95
    - Climbing space
    - Clearances between power and/or other attachments
    - Required distances for separation between pole and equipment
    - Required distances for separation between equipment
- City of Palo Alto Utilities (CPAU) prioritizes the provision of service to its customers. The siting of attachments on poles is secondary and therefore:
    - No attachments allowed on poles with primary power risers
    - No attachments allowed on poles with transformers or other special equipment
    - Primary Line and Buck (primary power lines attaching to the pole at 90 degrees or in perpendicular fashion) situations have a modified climbing space requirement, requiring more pole real estate than otherwise required under State Public Utility Code
    - Various other situations where the provision of electrical service would be compromised by attachment

City of Palo Alto Utility Preferences (in order of importance)

1. Guy stubs - Poles that do not have any electrical or communications; they simply provide a structural tie point for a guy wire for a neighboring pole
2. Poles with overhead secondary power conductors only – Secondary power (typically) being the second from the top level of power on the pole and which provides residential power (120/240 Volts AC)
3. Primary dead-end poles – A pole at the end of a line of poles which no poles further down the line
4. Primary poles with no transformers downstream on the poles to end of line of poles
5. Primary poles with no electric utility equipment on the poles on either side of the proposed pole

Development Criteria

Development Standards from PAMC §18.42.110(i)

- Shall utilize the smallest footprint possible
- Shall be designed to minimize the overall height, mass, and size of the cabinet and enclosure structure
- Be screened from public view
- Be architecturally compatible with the existing site
- Be placed at a location that would not require the removal of any required landscaping or would reduce the quantity of landscaping to a level of noncompliance with the Zoning Code
- An Antenna, Base Station, or Tower shall be designed to minimize its visibility from off-site locations and shall be of a "camouflaged" or "stealth" design, including concealment, screening, and other techniques to hide or blend the Antenna, Base Station, or Tower into the surrounding area

Planning and Residential Considerations

- Only poles located in the right-of-way (ROW) are selected. Poles on private property are not selected for attachment.
- Prioritize poles which have tree foliage close to help camouflage the pole mounted equipment
- Prioritize poles that are located near evergreen trees, rather than deciduous trees
- Select a location for ground based emergency battery equipment that meets standards identified in Tree Technical Manual
- Face the pole mounted equipment away from direct views of the adjacent home, toward the street when no foliage is present to hide the equipment
- Consolidate equipment to reduce the visual clutter; move the ground mounted equipment onto the pole when there is not enough right-of-way or deemed too obtrusive to the residents
- In general, prefer locations mid-block instead of at more visible corners/intersections
- Determine the most advantageous height that is least disruptive to views from both pedestrian and the adjacent residences

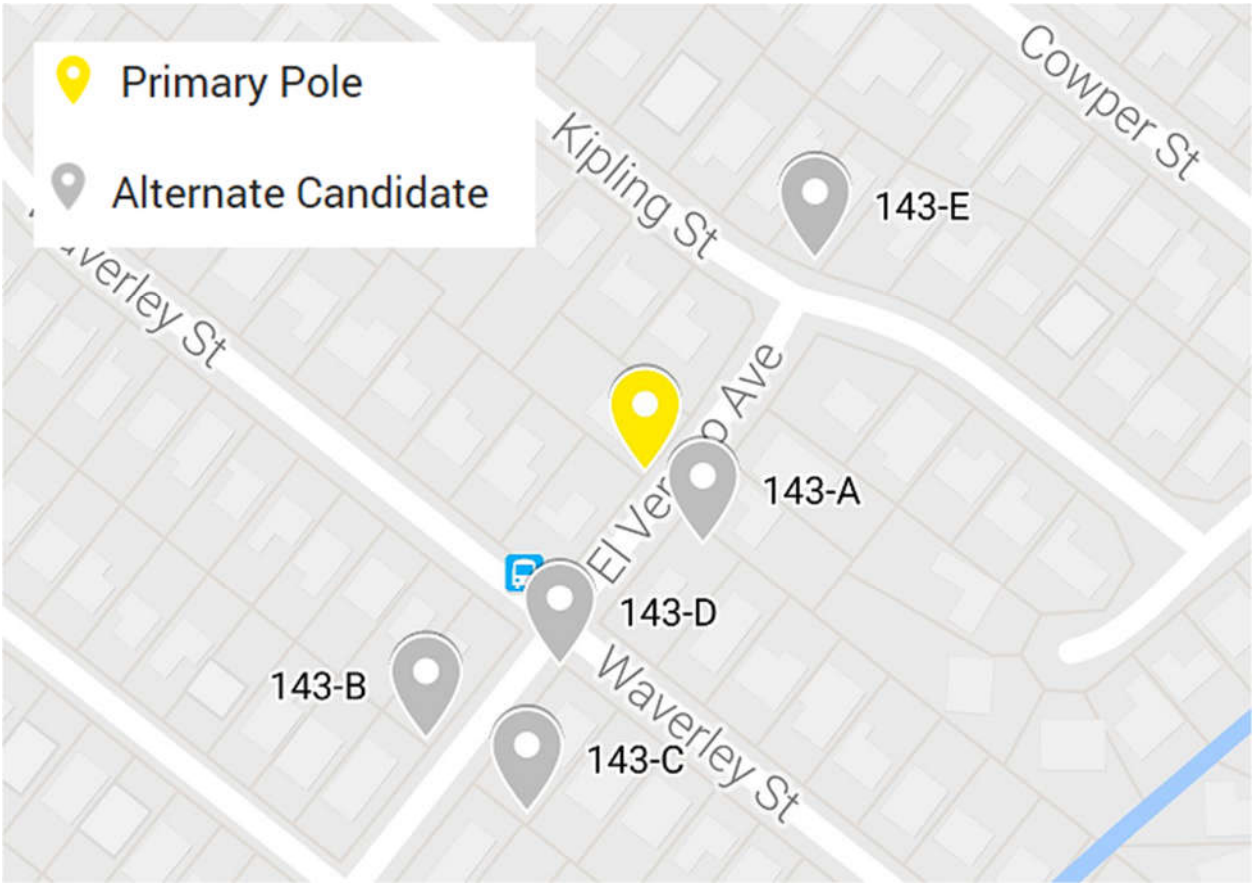
Attachment C – Prelim ARB Alternative Siting Analysis

Prelim ARB - Proposed Small Cell Nodes

Alternative Site Analysis follows for each of the following proposed nodes:

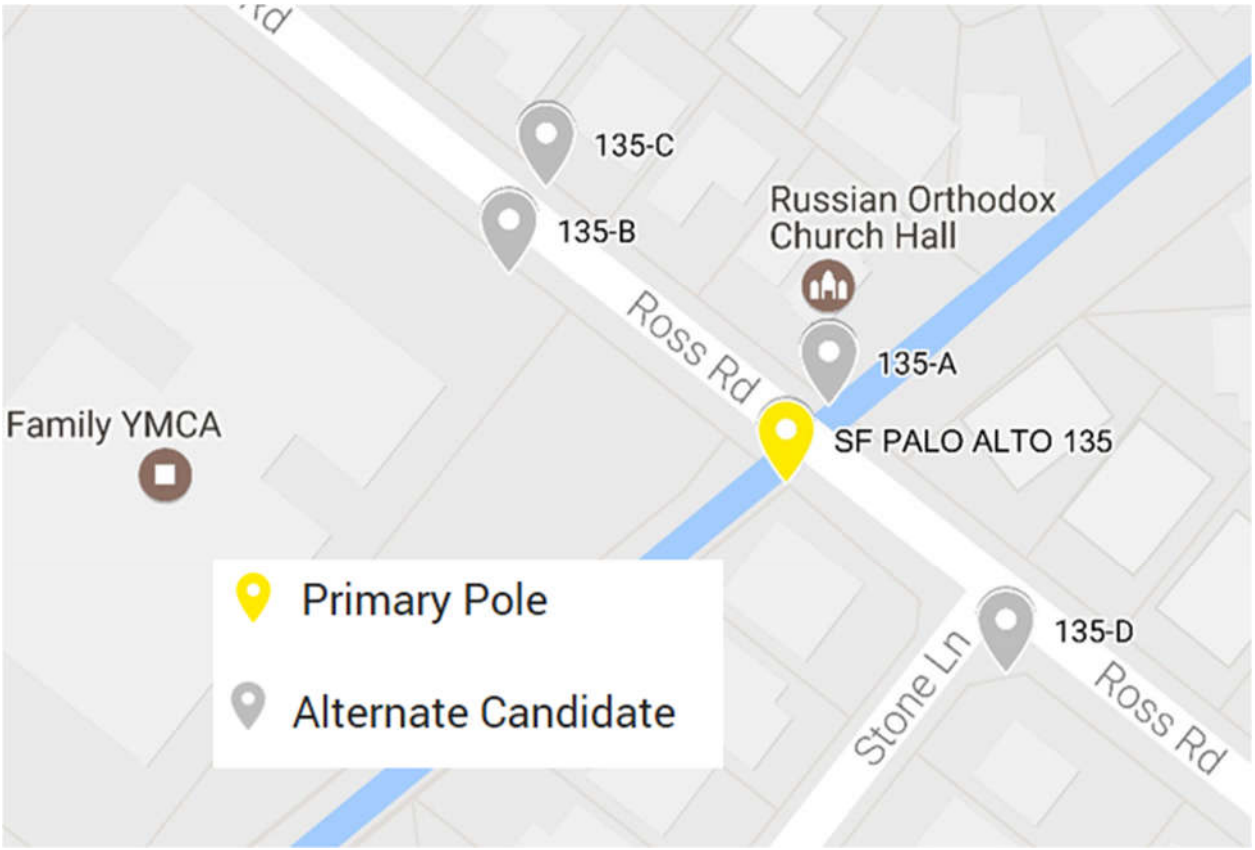
Node ID	Config	Verified Pole Height	Adjacent Address	Adjacent APN
SF PALO ALTO 143	Configuration 1	38.26	419 EL VERANO AVE PALO ALTO, 94306-3007	13215017
SF PALO ALTO 135	Configuration 2	42.86	795 STONE LN PALO ALTO, 94303-4413	12747001
SF PALO ALTO 139	Configuration 3	39.59	2793 RANDERS CT PALO ALTO, 94303	12734115

SF PALO ALTO 143 – Alternative Siting Analysis - Map and Details



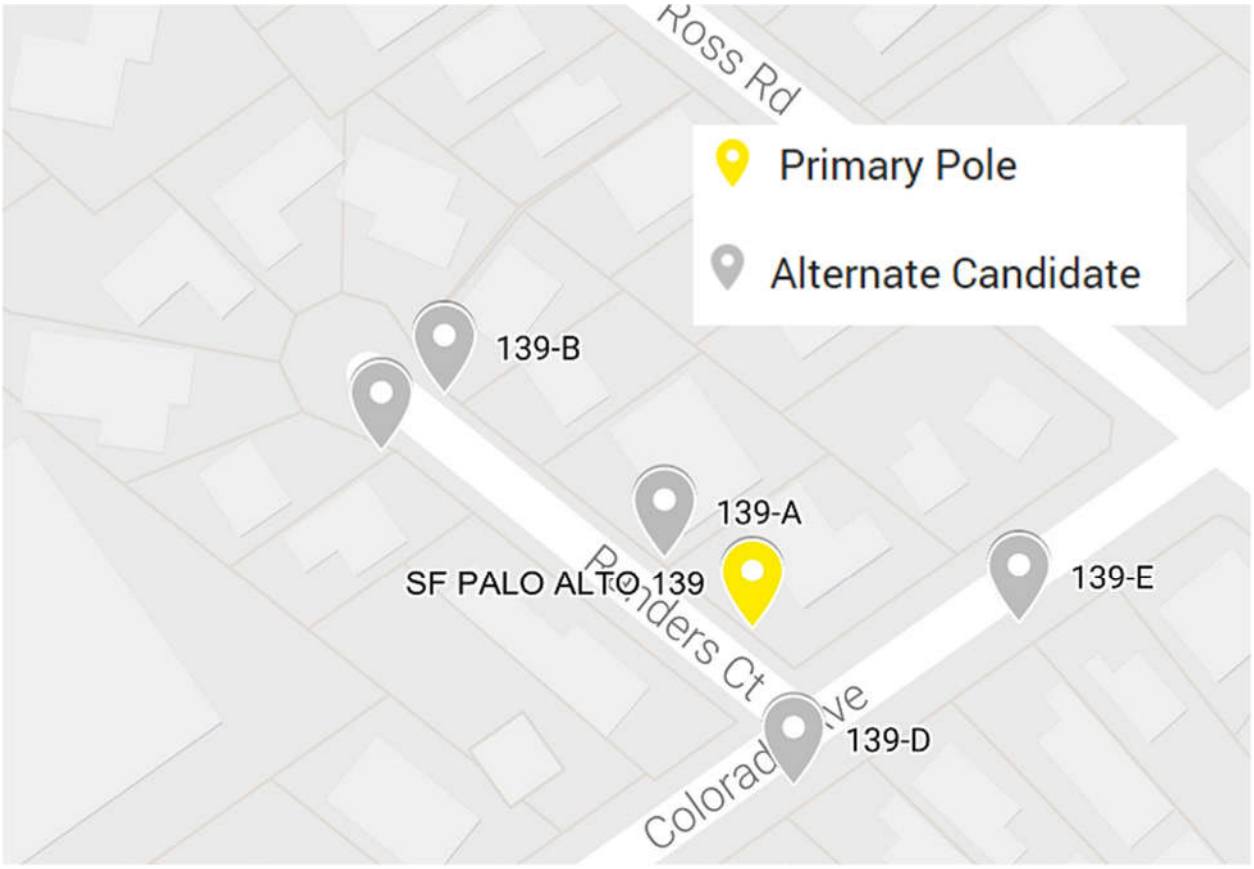
Alternate Candidate ID	Structure Type	Fallout Reason	Pole #	Fallout Note
143-A	Wood Pole	CPAU Engineering	3866	Utility engineering constraints would not allow an attachment. Switch located on pole. Additionally, poles located in private property (residential easements) are only selected as a last resort, given potential disturbance to adjacent neighbor.
143-B	Wood Pole	CPAU Engineering	3889	Utility engineering constraints would not allow an attachment. Transformer located on pole - wireless equipment not permitted.
143-C	Wood Pole	Planning	Unknown	Poles located on private property (residential easement) are only selected as a last resort, given potential disturbance to adjacent resident. Could not get pole number as it is located in backyard.
143-D	Metal Street Light	Planning	18	Viable location, but not selected as primary because 1) antenna location on streetlight is lower than on wood pole; 2) high visibility corners are not preferred per the planning siting guidelines; and 3) streetlights are a lower preference than wood poles per the planning siting guidelines.
143-E	Wood Pole	Planning	Unknown	Poles located on private property (residential easement) are only selected as a last resort, given potential disturbance to adjacent resident. Could not get pole number as it is located in yard.

SF PALO ALTO 135 - Alternative Siting Analysis - Map and Details



Alternate Candidate ID	Structure Type	Fallout Reason	Pole #	Fallout Note
135-A	Wood Pole	Planning	3611	Development constraints around this particular pole. Attachment could impede access to existing Santa Clara Valley Water District canal.
135-B	Wood Pole	Planning	3371	Pole not selected as it appears to have higher visual impact--located near driveway.
135-C	Metal Street Light	Planning	342	High visibility corners are not preferred per the planning siting guidelines.
135-D	Wood Pole	Planning	3609	High visibility corners are not preferred per the planning siting guidelines.

SF PALO ALTO 139 - Alternative Siting Analysis - Map and Details

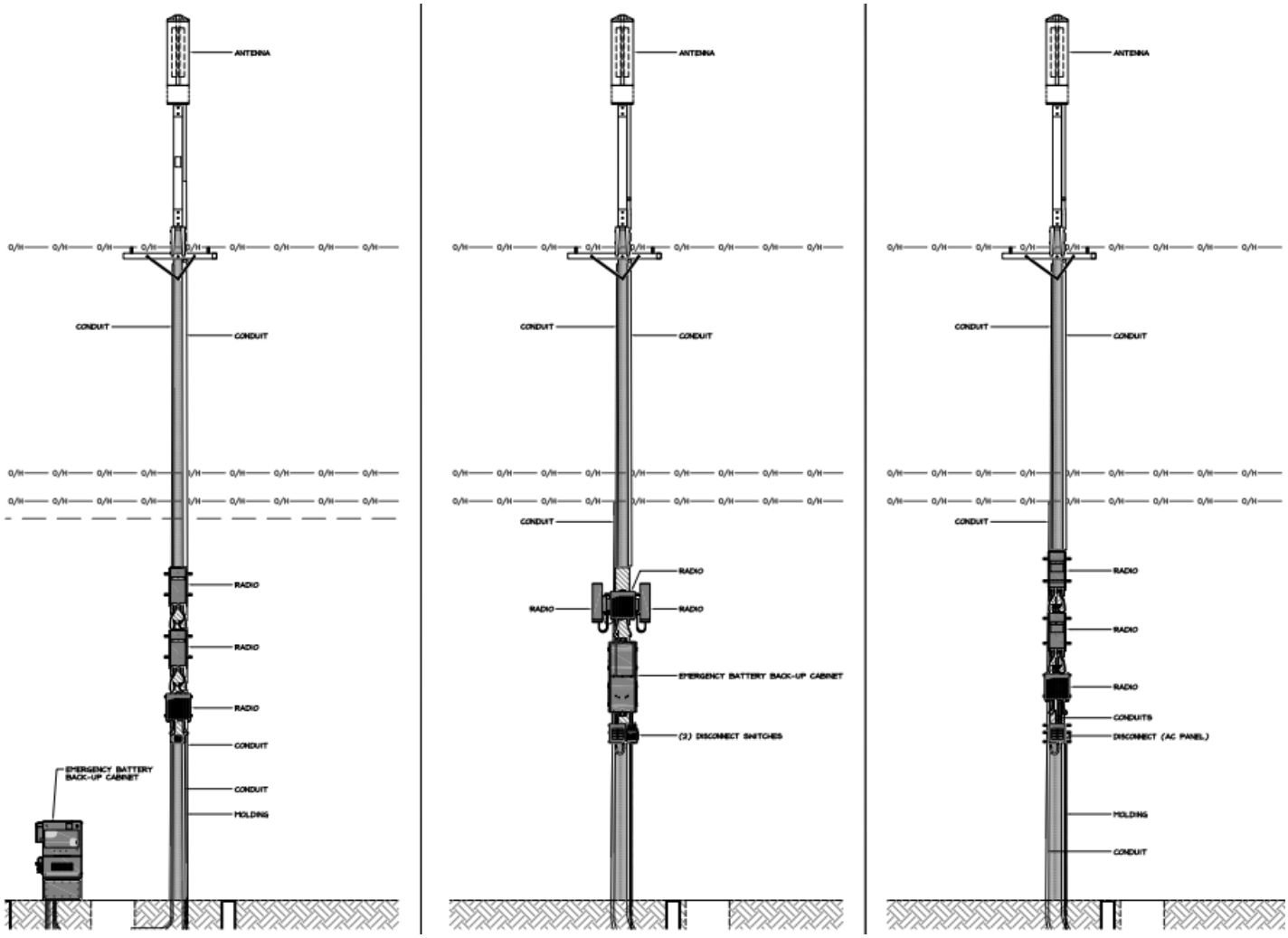


Alternate Candidate ID	Structure Type	Fallout Reason	Pole #	Fallout Note
139-A	Metal Street Light	VZW Engineering	272	Not selected as primary because 1) antenna location on streetlight is lower than on wood pole; and 2) streetlights are a lower preference than wood poles per the planning siting guidelines.
139-B	Wood Pole	CPAU Engineering	2490	Utility engineering constraints would not allow an attachment. Transformer on pole - wireless equipment not permitted.
139-C	Metal Street Light	VZW Engineering	271	Not selected as primary because 1) antenna location on streetlight is lower than on wood pole; and 2) streetlights are a lower preference than wood poles per the planning siting guidelines.
139-D	Wood Pole	CPAU Engineering	2488	Utility engineering constraints would not allow an attachment. Risers on pole - wireless equipment not permitted. If pole was viable for CPAU Engineering, it would not be selected as primary because 1) high visibility corners are not preferred per the planning siting guidelines; and 2) tree canopy exposure.
139-E	Wood Pole	CPAU Engineering	2487	Utility engineering constraints would not allow an attachment. Transformer on pole - wireless equipment not permitted.

Attachment D – Proposed Configurations

Below is a simplified elevation drawing of all proposed equipment Configurations 1, 2 and 3.

See plan set provided for examples of each proposed configuration on wooden poles.



Configuration #1

Configuration #2

Configuration #3

Attachment D – Configuration 1

Wood Utility Pole with Ground Mounted Emergency Battery Backup

Verizon Wireless requires emergency battery backup the proposed small cell located near 419 El Verano Ave. (Node 143). The emergency battery equipment is currently proposed to be located in existing landscape strip located within the right-of-way. See attached site plan with pole elevations and equipment detail. The photo simulation for this small cell can be found in *Attachment E.*

See plan set provided for design details of Configuration 1.

Verizon Wireless is seeking feedback on the configuration of the pole mounted equipment: what does the ARB prefer for the alignment of the radios on the pole (vertical as in Config 1&3 or horizontal as in Config 2), even if no battery exists on the pole?

Verizon Wireless is seeking feedback from the Architectural Review Board on a final shade of brown paint for equipment attached to wood poles. Additionally, should all pole mounted equipment including mounts, cabling and conduits be painted?

If a ground based cabinet is used, does the ARB prefer a cabinet painted to blend in with surroundings or the use of street furniture to "stealth" the emergency battery backup?

If the ground cabinet is to be painted, Verizon Wireless is seeking feedback from the Architectural Review Board on a shade of green paint to be used for ground based emergency battery equipment.

Is street furniture preferred over an art wrap for the ground based emergency battery cabinet?

If street furniture is preferred, is there a favored design?

If an art wrap is preferred, are there suggestions for ways to incorporate the community into the design?

Attachment D – Configuration 2

Wood Utility Pole with Pole Mounted Emergency Battery Backup

The proposed small cell located near 795 Stone Lane (Node 135) is located on a Santa Clara Valley Water District canal. Verizon Wireless requires emergency battery backup in this location. However, location of ground mounted equipment cabinet could interfere with the Water District's operation. Therefore, Verizon Wireless has proposed a pole mounted location for this scenario. See attached site plan with pole elevations and equipment detail. The photo simulation for this small cell can be found in *Attachment E.*

See plan set provided for design details of Configuration 2.

Verizon Wireless is seeking feedback from the Architectural Review Board on a final shade of brown paint for equipment attached to wood poles. Additionally, should all pole mounted equipment including mounts, cabling and conduits be painted?

Attachment D – Configuration 3

Wood Utility Pole without Emergency Battery Backup

The proposed small cell located near 2793 Randers Court (Node 139) is located within a residential area. As such, Verizon Wireless has proposed only pole mounted equipment at this location. See attached site plan with pole elevations and equipment detail. The photo simulation for this small cell can be found in *Attachment E.*

See plan set provided for design details of Configuration 3.

Verizon Wireless is seeking feedback on the configuration of the pole mounted equipment: what does the ARB prefer for the alignment of the radios on the pole (vertical as in Config 1&3 or horizontal as in Config 2), even if no battery exists on the pole?

Verizon Wireless is seeking feedback from the Architectural Review Board on a final shade of brown paint for equipment attached to wood poles. Additionally, should all pole mounted equipment including mounts, cabling and conduits be painted?

Attachment E – Photo Simulations of Configurations

Configuration 1: Ground mounted emergency battery

Version Date: February 27, 2017

Photosimulation of the view looking north from across El Verano Avenue.

Configuration 1: Ground mounted emergency battery – Detail View

Version Date: February 27, 2017

Photosimulation of the view standing right in front of the pole.

Configuration 2: Pole mounted emergency battery

Version Date: February 27, 2017

Photosimulation of the view looking south from across Ross Road.

Configuration 2: Pole mounted emergency battery – Detail View

Version Date: February 27, 2017

Photosimulation of the view standing right in front of the pole.

Configuration 3: Pole mounted equipment only. No emergency battery.

Version Date: February 27, 2017

Photosimulation of the view looking north from across Colorado Ave, at the intersection with Randers Ct.

Configuration 3: Pole mounted equipment only. No emergency battery.

Version Date: February 27, 2017

Photosimulation of the view standing right in front of the pole.

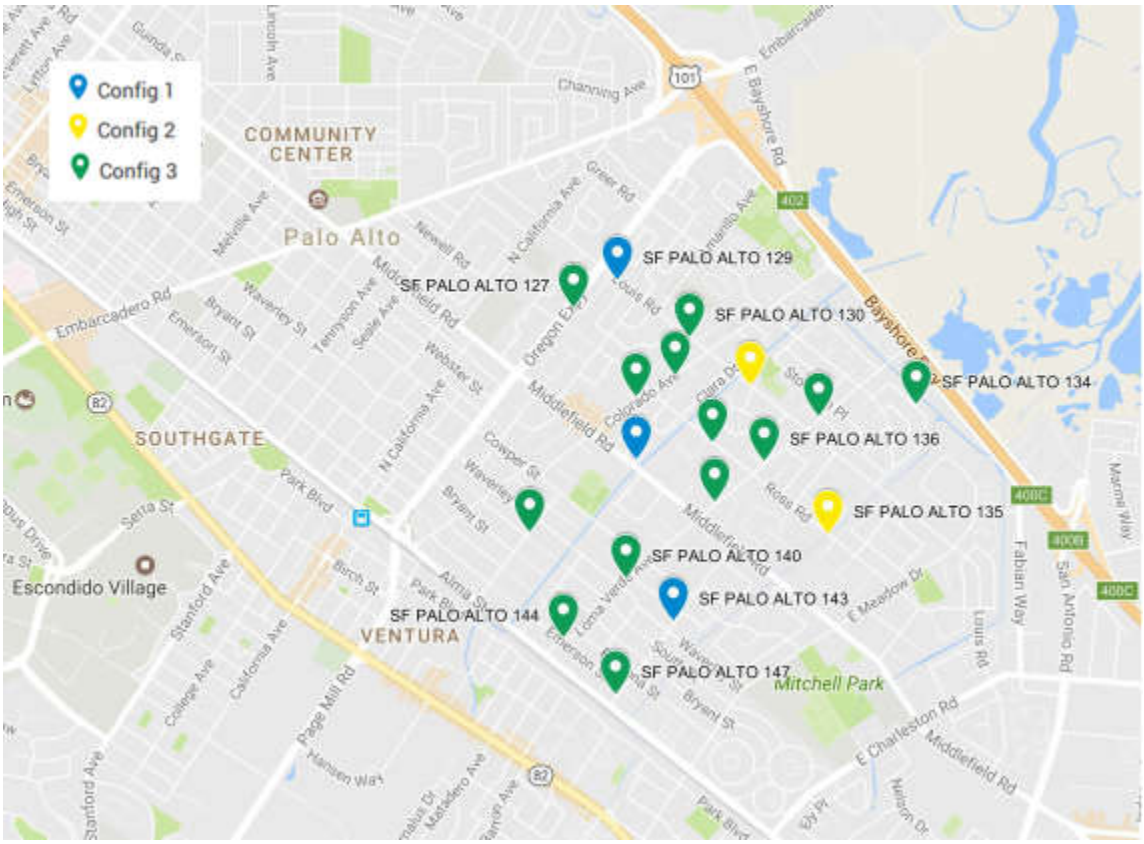
Attachment F – Cluster 1 Configurations

Cluster 1 contains 18 proposed small cell nodes.

Node	1A Verified Adjacent Address	Pole Type	Config	CPAU Pole #	1A Verified Adjacent APN	Adjacent APN Zoning Class
SF PALO ALTO 127	820 WARREN WAY	Wood Utility	Config 3	3112	12730045	R-1
SF PALO ALTO 129	2490 LOUIS RD	Wood Utility	Config 1	3121	12730062	R-1
SF PALO ALTO 130	2802 LOUIS RD	Wood Utility	Config 3	2461	12728046	R-1
SF PALO ALTO 131	~~3120 LOUIS~~ 891 ELBRIDGE WY	Wood Utility	Config 2	3315	12726067	R-1
SF PALO ALTO 133	925 LOMA VERDE AVE	Wood Utility	Config 3	2857	12724023	R-1
SF PALO ALTO 134	3409 KENNETH DR	Wood Utility	Config 3	2964	12709028	R-1 (7000)
SF PALO ALTO 135	795 STONE LN	Wood Utility	Config 2	3610	12747001	R-1 (8000)
SF PALO ALTO 136	3191 MANCHESTER CT	Wood Utility	Config 3	3298	12758024	R-1
SF PALO ALTO 137	~~795 STERN~~ 3090 ROSS RD	Wood Utility	Config 3	3351	12752031	R-1
SF PALO ALTO 138	836 COLORADO AVE	Wood Utility	Config 3	2479	12727063	R-1
SF PALO ALTO 139	~~752 COLORADO~~ 2793 RANDERS CT	Wood Utility	Config 3	2489	12734115	R-1
SF PALO ALTO 140	450 LOMA VERDE AVE	Wood Utility	Config 3	3971	13215077	R-1
SF PALO ALTO 141	2801 SOUTH CT	Wood Utility	Config 3	2669	13214023	R-1
SF PALO ALTO 143	3299 WAVERLEY OR 419 EL VERANO AVE	Wood Utility	Config 1	3867	13215017	R-1
SF PALO ALTO 144	201 LOMA VERDE AVE	Wood Utility	Config 3	1506	13248015	RM-30
SF PALO ALTO 145	733 LOMA VERDE AVE	Wood Utility	Config 3	3288	12764001	R-1 (7000)
SF PALO ALTO 146	2901 MIDDLEFIELD RD OR 705 ELLSWORTH	Wood Utility	Config 1	7647	12735194	~~R-1~~ RM-15
SF PALO ALTO 147	181 EL VERANO AVE	Wood Utility	Config 3	1494	13227072	R-1

Attachment G –Map of Cluster 1 Configurations

Eighteen (18) proposed nodes from Cluster 1 are identified, along with their proposed Configurations 1, 2 and 3.



Config 1: Emergency battery backup critical, placed in ground mounted box adjacent to pole.

Config 2: Emergency battery backup essential, but no space; small battery placed on pole.

Config 3: Emergency battery backup currently not required. No emergency battery.

Attachment H – Proposed Paint Samples

Pole Mounted Equipment (all Kelly Moore durable metal paint)

Railroad Ties (KMA67)

Log Cabin (KMA76)

Clay Bath (KM4595)

Ground Mounted Equipment (all Kelly Moore durable metal paint)

Lone Pine (KM4798)

Acanthus Leaf (KM4796

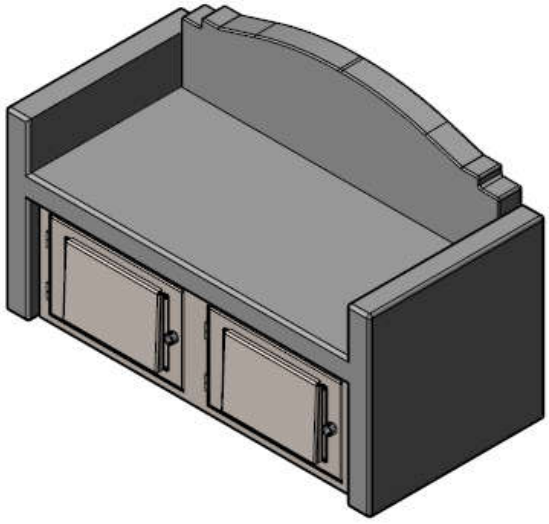
Attachment I – Proposed Ground Cabinet Stealth Options

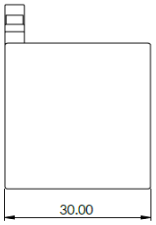
Landscaping

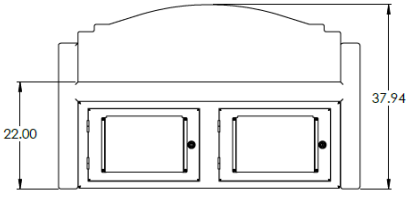
Ground mounted emergency battery equipment with landscaping.

Street Furniture Options

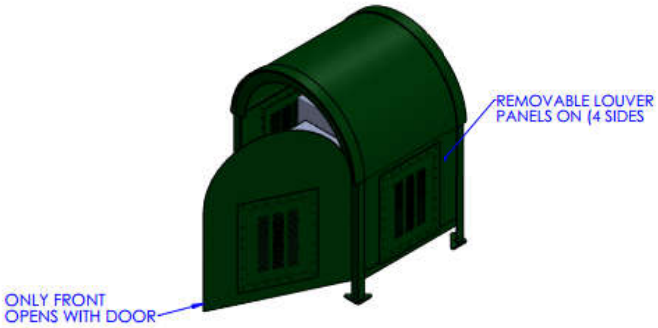
Concrete Bench

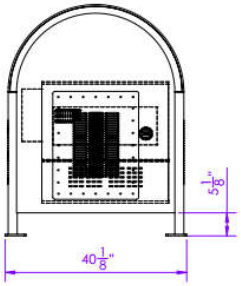


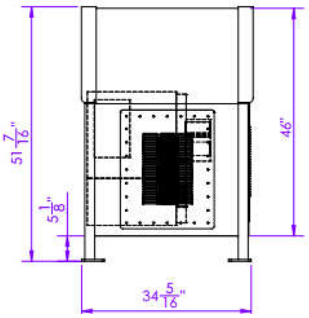




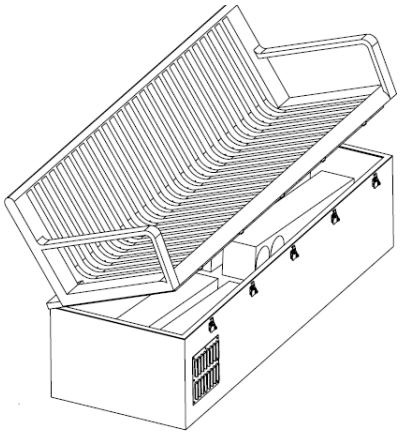
Relay Mailbox

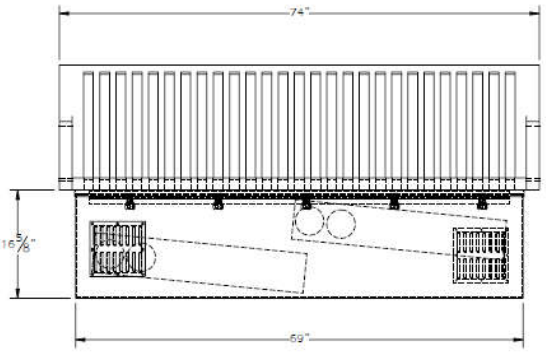






Metal Bench





Garbage Can

Art-Wrapped Cabinets

Ground mounted emergency battery cabinet without wrap.

Examples of Existing Art Wraps (located Downtown Walnut Creek)

Please note that these cabinets may differ in size than the proposed emergency battery cabinet, which is placed on a 32" x 32" concrete pad, with a 54" tall cabinet.


"Windy Day" by Carol Aust 2011 Presented by Walnut Creek Downtown


"I'm Your Puppet" by Jennifer Bain | Walnut Creek Downtown

Attachment J – Proposed Model Small Cell Location

Atkinson, Rebecca

From: DUANE <wordpress@riefmedia.com>
Sent: Tuesday, April 25, 2017 9:56 PM
To: Support Wireless; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: DUANE KALAR <dkalar@pacbell.net>
Phone number: 650/804.0500
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Rita <wordpress@riefmedia.com>
Sent: Wednesday, April 19, 2017 6:40 PM
To: Support Wireless; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Rita Allison <rallison48@sbcglobal.net> Phone number:
City: Menlo Park
ZIP code: 94025
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
Or create your own message:
Though I live in Menlo Park and have experienced dropped calls and poor cell phone reception at my residence, I do visit, shop, and dine in Palo Alto and support better wireless service for our communities. It is important not only for emergency services but to connect with family, which in my case is all out of state. Please support Verizon's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Anastacia <wordpress@riefmedia.com>
Sent: Tuesday, April 18, 2017 4:06 PM
To: Support Wireless; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Anastacia Kasmer <anastacia@greenride.eu.com> Phone number:
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
Or create your own message:
Dear City of Palo Alto,

We are developing a cutting edge electric mode of transportation called the INU, that will be initially deployed in world class cities such as Tel Aviv, London, New York and Palo Alto. Our product, and others like it that are on the forefront of technology, depend on data connectivity in order to function at their fullest potential.

Please approve this network of small cell antennas, and ensure that Palo Alto continues as a global leader in innovation, helping companies like ours improve lives all over the world.

Thank you,

Anastacia

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Greg <wordpress@riefmedia.com>
Sent: Tuesday, April 18, 2017 2:18 PM
To: Support Wireless; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto. Greg Bell"

From: Greg Bell <gxbell@gmail.com>
Phone number: 6508665456
City: Palo Alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto. Greg Bell

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.
Place a Verizon Small Cell on my street please, 3000 Cowper Street.

Greg Bell

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Richard <wordpress@riefmedia.com>
Sent: Sunday, April 16, 2017 11:02 PM
To: Support Wireless; Atkinson, Rebecca
Subject: Verizon "I DO NOT support Verizon Wireless's Small Cell Network for Palo Alto."

From: Richard Simoni <rtsimoni@gmail.com> Phone number:
City: Palo Alto
ZIP code: 94306
Subject: I DO NOT support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
Or create your own message:
A few years ago it was AT&T's small cells. Now it's Verizon's. Next it will be T-Mobile's. Please tell these providers to get their act together and collaborate on a multi-tenant solution (more than one provider sharing the same hardware, to minimize the number of these horrible looking pole extensions, with loud fans in the pole boxes they somehow never get around to mentioning) rather than shoving more stuff onto all the poles. As I recall from the AT&T plan, the only leverage the City really has is on the aesthetics, but that can be used to force multi-tenant.

The other problem with the use-the-existing-poles plan is it more or less eliminates the prospect of ever undergrounding the utilities (again, aesthetic impact).

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: David <wordpress@riefmedia.com>
Sent: Tuesday, April 11, 2017 12:24 PM
To: Support Wireless; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: David Gurle <david@gurle.me>
Phone number:
City: Palo Alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
My schedule may not allow me to attend a public hearing. Please accept this email as a show of my strong support for Verizon Wireless's small cell proposals for Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Suzy <wordpress@riefmedia.com>
Sent: Tuesday, April 11, 2017 12:24 PM
To: Support Wireless; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Suzy Crammond <suzy.cram@gmail.com> Phone number:
City: Palo Alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Josh <wordpress@riefmedia.com>
Sent: Tuesday, April 11, 2017 11:15 AM
To: Support Wireless; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Josh Banko <jbanko@gmail.com>
Phone number:
City: Palo Alto
ZIP code: 9430-
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Vincent Gurle <wordpress@riefmedia.com>
Sent: Sunday, April 02, 2017 9:58 AM
To: Support Wireless; Atkinson, Rebecca
Subject: Verizon "I strongly support the improvement and buildout of Verizon's network in Palo Alto"

From: Vincent Gurle Gurle <vince@gurle.me> Phone number: 6507964738
City: Palo Alto
ZIP code: 94306-1034
Subject: I strongly support the improvement and buildout of Verizon's network in Palo Alto

Message Body:
Or create your own message:
As a citizen of Palo Alto, I strongly support Verizon improving the cellular service quality, speed and reception in our city. The connection is suffering from ever increasing demand in the area, and having this excellent option of many micro-cell towers is an ideal solution.

Please support this, and help Verizon grow this!

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: John <wordpress@riefmedia.com>
Sent: Friday, March 31, 2017 8:27 AM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: John Carey <pacificjack@earthlink.net> Phone number: 650-380-6280
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: John <wordpress@riefmedia.com>
Sent: Thursday, March 30, 2017 2:32 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: John Carey <pacificjack@earthlink.net> Phone number: 650-380-6280 and 650-380-2380
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
My schedule may not allow me to attend a public hearing. Please accept this email as a show of my strong support for Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: John <wordpress@riefmedia.com>
Sent: Thursday, March 30, 2017 2:22 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: John Carey <pacificjack@earthlink.net> Phone number: 650-380-6280
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
Or create your own message:
I live at 325 Kingsley Ave. I have Verizon Wireless cell phone service. I cannot use my cell phone in my house; I have only one Bar. I have to go outside when phone rings. C'mon this is Silicon Valley!

Please support better wireless service in Palo Alto. This is important for my family and friends. We want to be able to use our cell phones during emergencies and for 911 calls.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Cornelia <wordpress@riefmedia.com>
Sent: Thursday, March 30, 2017 12:14 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Cornelia Davis <neli@audiofederation.com> Phone number:
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
Or create your own message:
Hi Folks,
My husband and I recently relocated to Palo Alto. We strongly support Verizon Wireless' small cell proposasls to improve signal strength and capacity in Palo Alto. It has been a huge surprise to find that coverage in the heart of Silicon Valley is so much worse than at our previous homes in rural New Mexico and the mountains west of Boulder, Colorado. The small cells look unobtrusive. Mobile usage and bandwidth requirements continue to increase. Thanks for helping!
Kind regards,
Cornelia Davis
3301 Kenneth Drive
Palo Alto CA 94303

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Paul <wordpress@riefmedia.com>
Sent: Tuesday, March 28, 2017 12:53 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Paul Rosario <paul.rosario@gmail.com> Phone number: 631-873-9883
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: ibrahim okuyucu <wordpress@riefmedia.com>
Sent: Tuesday, March 28, 2017 11:56 AM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: ibrahim okuyucu okuyucu <okuyucu@gmail.com> Phone number: 4155301015
City: PALO ALTO
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Dan <wordpress@riefmedia.com>
Sent: Tuesday, March 21, 2017 12:22 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "Problems with Verizon Wireless's Small Cell Network for Palo Alto"

From: Dan Kuokka <kuokka@computer.org>
Phone number:
City: Palo Alto
ZIP code: 94303
Subject: Problems with Verizon Wireless's Small Cell Network for Palo Alto

Message Body:
Or create your own message:
I am unable to attend this meeting, but have concerns based on an AT&T small cell installation which is right next to our house (looks identical to Verizon configuration 2). It has three problems:

First, it rendered our AT&T service unusable for close to a year. The small cell was unreliable (going down for a few seconds every few minutes), yet it prevented our cell phones from using the more distant but reliable tower.

Second, the fan in the battery cabinet is noisy, emitting a constant hiss audible from more than 60 feet away.

Third, neither the City of Palo Alto nor AT&T will take any responsibility for problems. Each points to the other when an issue is raised.

These issues should be publicized and addressed before any vote.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Michael <wordpress@riefmedia.com>
Sent: Sunday, March 19, 2017 10:38 AM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Michael Iannuzzi <iannuzzi.michael@gmail.com> Phone number: 6509317273
City: Palo alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
Please support better wireless service in Palo Alto. This is important for my family and friends. We want to be able to use our cell phones during emergencies and for 911 calls.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Dennis Reinhardt <wordpress@riefmedia.com>
Sent: Saturday, March 18, 2017 4:34 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Dennis Reinhardt Reinhardt <DennisR@dair.com> Phone number: 6504947081
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.
I think it is important for cell phone service for *all companies* be strong to protect competition and keep citizens connected.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Charles <wordpress@riefmedia.com>
Sent: Saturday, March 18, 2017 3:32 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Charles McCoy <c.mccoy2502@att.net> Phone number: 6504004750
City: Palo Alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Masoud <wordpress@riefmedia.com>
Sent: Wednesday, March 15, 2017 12:33 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Masoud Tavazoei <masood_tavazoei@yahoo.com> Phone number:
City: Palo Alto
ZIP code: 94135
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Christopher Kantarjiev <wordpress@riefmedia.com>
Sent: Monday, March 13, 2017 6:22 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Christopher Kantarjiev Kantarjiev <cak+vzw@dimebank.com> Phone number: [redacted]
City: Palo Alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Michael <wordpress@riefmedia.com>
Sent: Monday, March 13, 2017 6:13 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Michael Lyzwa sr <michaellyzwa@concast.net> Phone number: 650/380-2025
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Carl <wordpress@riefmedia.com>
Sent: Monday, March 13, 2017 12:01 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I DON'T Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Carl Cimilluca <carlcimilluca@gmail.com> Phone number: 6506445413
City: Palo alto
ZIP code: 94301
Subject: I DON'T Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
Or create your own message:
I ""don't "" support Verizon's plan.
My wireless is fine. I don't want a noisy box on utility poles near me!
Put boxes by businesses and on already noisy roads(Oregon exp, embarcadero road). They should not be near residences.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Carl <wordpress@riefmedia.com>
Sent: Saturday, March 11, 2017 2:10 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Carl Darling <cdarling@sbcglobal.net> Phone number: 6608566075
City: Palo alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Darryl <wordpress@riefmedia.com>
Sent: Saturday, March 11, 2017 1:06 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Darryl Celkupa <sunraydcc@gmail.com> Phone number:
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Brian <wordpress@riefmedia.com>
Sent: Friday, March 10, 2017 5:19 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Brian Beckwith <brilaw@pacbell.net> Phone number: 4154123900
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Christopher <wordpress@riefmedia.com>
Sent: Friday, March 10, 2017 9:11 AM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Christopher Ream <ream@reamlaw.com> Phone number: 6504240821
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Roberta <wordpress@riefmedia.com>
Sent: Friday, March 10, 2017 8:56 AM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Roberta Conway <conwayr7@msn.com>
Phone number: 303-941-1103
City: Palo Alto
ZIP code: California
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Marian <wordpress@riefmedia.com>
Sent: Friday, March 10, 2017 8:41 AM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Marian Richart <mj.leary@comcast.net> Phone number:
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Leon <wordpress@riefmedia.com>
Sent: Friday, March 10, 2017 8:23 AM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Leon Lipson <leonwlipsonmd@gmail.com> Phone number: 6508233803
City: Palo alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
My schedule may not allow me to attend a public hearing. Please accept this email as a show of my strong support for Verizon Wireless's small cell proposals for Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Patty Irish <wordpress@riefmedia.com>
Sent: Friday, March 10, 2017 7:04 AM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Patty Irish Irish <Irishpw@gmail.com> Phone number: 6502453906
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Michael <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 10:55 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Michael Hodos <mehodos@mac.com>
Phone number: 650.557.6588
City: Palo Alto
ZIP code: 94301-2710
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
Or create your own message:
I support Verizon's proposal for better wireless service in Palo Alto via small cell installations. This is important for my family,friends and neighbors. We want to be able to use our cell phones during emergencies and for 911 calls.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Pierre <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 10:17 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Pierre Tronik <pierre.tronik@yahoo.com> Phone number: 650 546 6009
City: Palo alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.
I support all the issues presented

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Marie <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 9:58 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Marie Pence <pence.marie@gmail.com> Phone number: 650-799-8700
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
My schedule may not allow me to attend a public hearing. Please accept this email as a show of my strong support for Verizon Wireless's small cell proposals for Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Eswar <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 8:49 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Eswar Subramanian <eswars@yahoo.com> Phone number:
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
My schedule may not allow me to attend a public hearing. Please accept this email as a show of my strong support for Verizon Wireless's small cell proposals for Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Joe <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 8:17 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Joe Coenenberg <jcoenenberg@comcast.net> Phone number:
City: Palo Alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Lianghuey <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 8:00 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Lianghuey Leu <lianghuey@yahoo.com> Phone number:
City: Palo Alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Sally <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:58 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Sally Rench <srench10321032@comcast.net> Phone number: 510-791-1032
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: James <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:40 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: James Little <jglittle64@alumni.rice.edu> Phone number:
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
Please support better wireless service in Palo Alto. This is important for my family and friends. We want to be able to use our cell phones during emergencies and for 911 calls.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Luis <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:40 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Luis Castillo <lcmando05@gmail.com> Phone number: 6503849787
City: East Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Bo Phil <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:28 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Bo Phil Choi <choi.bophil@gmail.com> Phone number: 408 933 8759
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Hassan <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:16 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Hassan Kamgar <hkamgar@msn.com>
Phone number: 4088963176
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto., I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Jeffrey Peters <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:15 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Jeffrey Peters Peters <jeffreypeters@sbcglobal.net> Phone number: 6506565805
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Jason <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:10 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Jason Cieply <cieplyj@gmail.com>
Phone number: 4159855350
City: Palo Alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

I would consider attending a public hearing. Please send me more information.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Bharati <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:07 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Bharati Taktawala <btaktawala@gmail.com> Phone number: 6507761106
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Kaveri <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:06 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Kaveri Patel <wisdominwaves@gmail.com> Phone number: 6507764110
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Satyadev <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:05 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Satyadev Patel <satyadevpatel@hotmail.com> Phone number: 6509067042
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Murphy <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:03 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Murphy Reyes <reyesmurphy@me.com>
Phone number: 650-621-0452
City: East Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Jennifer <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:01 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Jennifer Schindler <jls94303@yahoo.com> Phone number:
City: Palo Alto
ZIP code: 94303
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

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This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Cathie <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:01 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Cathie Foster <princesscathie@comcast.net> Phone number:
City: Palo Alto
ZIP code: 94301
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I understand the Palo Alto Fire Department uses Verizon Wireless service. It is essential that our first responders maintain reliable communications for our public safety. Please support Verizon Wireless's proposal.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Jennifer <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:00 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Jennifer Kim <sshseoul@yahoo.com>
Phone number: 650-248-9110
City: Palo alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Uisik <wordpress@riefmedia.com>
Sent: Thursday, March 09, 2017 7:00 PM
To: supportwireless@verizonwireless.com; Atkinson, Rebecca
Subject: Verizon "I Support Verizon Wireless's Small Cell Network for Palo Alto."

From: Uisik Ro <uro@sbcglobal.net>
Phone number: 408-858-8711
City: Palo Alto
ZIP code: 94306
Subject: I Support Verizon Wireless's Small Cell Network for Palo Alto.

Message Body:
I support improved coverage for everyday use and emergencies. I have personally experienced dropped calls, data delays or poor cell phone reception. Please support Verizon Wireless's small cell proposals for Palo Alto.

Keep me informed of issues that impact the Verizon Wireless network in Palo Alto.

--
This e-mail was sent from a contact form on Verizon (http://verizon:8888)

Atkinson, Rebecca

From: Atkinson, Rebecca
Sent: Thursday, February 09, 2017 6:26 PM
To: Atkinson, Rebecca
Subject: 17PLN-00033 - Preliminary Architectural Review Application - Small Cell Wireless Deployment Project

Copy

From: Atkinson, Rebecca
Sent: Tuesday, February 07, 2017 3:49 PM
To: 'sukiroo@hotmail.com'
Subject: 17PLN-00033 - Preliminary Architectural Review Application - Small Cell Wireless Deployment Project

Hello Natalie,
Thank you for your call and email today, much appreciated.
FYI 1 - I have contacted the project applicant to clarify that they didn't post the correct contact and other information shown below – they will go out and update all of the notice boards.
FYI 2- The project plans, maps, and a detailed/expanded project description are uploaded to https://aca.accela.com/paloalto/ - search with the file number 17PLN-00033. Let me know if you have any questions on these materials.
This is an informal, non-binding Preliminary Architectural Review application and the purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board before the applicant submits formal Major Architectural Review and Conditional Use Permit applications.
As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in the near term in order to start my staff analysis and to help in preparation of a forthcoming Architectural Review Board staff report.
Notice of the Architectural Review Board meeting date will be posted in the newspaper and mailed out to neighbors ahead of the hearing following standard City practices. The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.
You and neighbors are welcome to comment on the Preliminary Architectural Review application at the meeting or beforehand.
Thank you again.
Regards,
Rebecca

Date Submitted: February 2, 2017 File Number: 17PLN-00033

Project Type: **Preliminary Architectural Review**

Address: 250 HAMILTON AV – Project proposes multiple sites. See project description.

Project Description: Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca.accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52893). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposes to temporarily install a to-scale, non-live, mock-up of the equipment configuration(s).

Applicant / Phone: Mary Diesch / 925-482-8505/ small@vinculums.com

City Contact: Rebecca Atkinson / 650-329-2596/ rebecca.atkinson@cityofpaloalto.org

www.cityofpaloalto.org/planningprojects or www.paloalto.buidingeye.com/planning.

Note: Project plans will be posted within seven days on:

Sign posting required by the Planning and Community Environment Department, 650-329-2441

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

From: Nat Fisher [mailto:sukiroo@hotmail.com]
Sent: Tuesday, February 07, 2017 1:07 PM
To: Atkinson, Rebecca
Subject: cell phone towers

Thank you for talking with me this morning.
I have sent your phone # and email address to NextDoor, my neighbors and the Midtown Residents' Assoc.

Natalie Fisher
736 Ellsworth Place
326-6359

Atkinson, Rebecca

From: Atkinson, Rebecca
Sent: Thursday, February 09, 2017 7:59 PM
To: 'nguyenhonghanh@gmail.com'
Subject: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - Re the cellphone pole at 2902 middlefield road

Hello Hanh,
Thank you for your email, much appreciated.
The project plans, maps, and a detailed/expanded project description are uploaded to https://aca.accela.com/paloalto/ - search with the file number 17PLN-00033.
Please let me know if you have any further questions on these materials.
This is an informal, non-binding Preliminary Architectural Review application and the purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board before the applicant submits formal Major Architectural Review and Conditional Use Permit applications.
As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in the near term in order to start my staff analysis and to help in preparation of a forthcoming Architectural Review Board staff report.
I won't learn some information, such as in regard to radiation emission at each specific location, until the formal applications are filed. In the meantime, I did request that the applicant provide me more information about the antenna power, frequency bands, and anything else that would be helpful, such as a weblink to an emission report from elsewhere for the same technology.
I will try to answer your questions in my staff report or beforehand.
Notice of the Architectural Review Board meeting date will be posted in the newspaper and mailed out to neighbors ahead of the meeting following standard City practices. The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.
You and neighbors are welcome to comment on the Preliminary Architectural Review application at the meeting or beforehand.
Thank you for your comments that you already shared below.
Regards,
Rebecca

Date Submitted: February 2, 2017 File Number: 17PLN-00033

Project Type: **Preliminary Architectural Review**

Address: 250 HAMILTON AV – Project proposes multiple sites. See project description.

Project Description: Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca.accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52893). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposes to temporarily install a to-scale, non-live, mock-up of the equipment configuration(s).

Applicant / Phone: Mary Diesch / 925-482-8505/ small@vinculums.com

City Contact: Rebecca Atkinson / 650-329-2596/ rebecca.atkinson@cityofpaloalto.org

www.cityofpaloalto.org/planningprojects or www.paloalto.buildingeye.com/planning

Note: Project plans will be posted within seven days on

Sign posting required by the Planning and Community Environment Department, 650-329-2441

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

-----Original Message-----
From: Hanh Nguyen [mailto:nguyenhonghanh@gmail.com]
Sent: Wednesday, February 08, 2017 3:17 PM
To: Atkinson, Rebecca
Subject: Re the cellphone pole at 2902 middlefield road

Hi Rebecca,
I was fwd your contact from my neighbor Ms. Natalie Fisher regarding the cellphone pole at the above address.
We are home owners of 706 Ellsworth Pl, the first house on Ellsworth Pl and the closest household on Ellworth to that pole.
I am very concerned about the distance from the pole to my residence, we have kids in the house and also I have frequent headache, I think the pole will pose a risk to our health. I would oppose to have a pole built that close to my house.
Thanks and please keep us updated,
Hanh

Sent from my iPhone

Atkinson, Rebecca

From: RK Parthasarathy <rkpartha@gmail.com>
Sent: Thursday, February 09, 2017 7:20 PM
To: Atkinson, Rebecca
Subject: Re: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment

Rebecca, thank you so much for the prompt recover and the follow up with information about the project. We'll be in touch with any questions.

Best
RK

On Feb 9, 2017 7:13 PM, "Atkinson, Rebecca" <Rebecca.Atkinson@cityofpaloalto.org> wrote:

Hello RK,

Thank you for your call, much appreciated.

The project plans, maps, and a detailed/expanded project description are uploaded to https://aca.accela.com/paloalto/ - search with the file number 17PLN-00033.

Let me know if you have any questions on these materials.

This is an informal, non-binding Preliminary Architectural Review application and the purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board before the applicant submits formal Major Architectural Review and Conditional Use Permit applications.

As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in the near term in order to start my staff analysis and to help in preparation of a forthcoming Architectural Review Board staff report.

Notice of the Architectural Review Board meeting date will be posted in the newspaper and mailed out to neighbors ahead of the hearing following standard City practices. The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.

You and neighbors are welcome to comment on the Preliminary Architectural Review application at the meeting or beforehand.

Thank you again.

Regards,

Rebecca

Date Submitted: February 2, 2017 File Number: 17PLN-00033

Project Type: **Preliminary Architectural Review**

Address: 250 HAMILTON AV – Project proposes multiple sites. See project description.

Project Description: Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca.accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52893). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposes to temporarily install a to-scale, non-live, mock-up of the equipment configuration(s).

Applicant / Phone: Mary Diesch / 925-482-8505/ small@vinculums.com

City Contact: Rebecca Atkinson / 650-329-2596/ rebecca.atkinson@cityofpaloalto.org

www.cityofpaloalto.org/planningprojects or www.paloalto.buidingeye.com/planning.

Note: Project plans will be posted within seven days on:

Sign posting required by the Planning and Community Environment Department, 650-329-2441

CITY OF PALO ALTO

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

Atkinson, Rebecca

From: Atkinson, Rebecca
Sent: Thursday, February 09, 2017 7:41 PM
To: 'chen wang'; janetlipingding1120@gmail.com
Subject: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - Verizon tower

Hello Chen and Janet,
Thank you for your email, much appreciated.
It looks like you might have already found the project plans, maps, and a detailed/expanded project description that are uploaded to https://aca.accela.com/paloalto/.
Please let me know if you have any further questions on these materials.
This is an informal, non-binding Preliminary Architectural Review application and the purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board before the applicant submits formal Major Architectural Review and Conditional Use Permit applications.
As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in the near term in order to start my staff analysis and to help in preparation of a forthcoming Architectural Review Board staff report.
I won't learn some information, such as in regard to radiation emission at each specific location, until the formal applications are filed. In the meantime, I did request that the applicant provide me more information about the antenna power, frequency bands, and anything else that would be helpful, such as a weblink to an emission report from elsewhere for the same technology.
I will try to answer your questions in my staff report or beforehand.
Notice of the Architectural Review Board meeting date will be posted in the newspaper and mailed out to neighbors ahead of the meeting following standard City practices. The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.
You and neighbors are welcome to comment on the Preliminary Architectural Review application at the meeting or beforehand.
Thank you again.
Regards,
Rebecca

Date Submitted: February 2, 2017 File Number: 17PLN-00033

Project Type: **Preliminary Architectural Review**

Address: 250 HAMILTON AV – Project proposes multiple sites. See project description.

Project Description: Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca.accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52893). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposes to temporarily install a to-scale, non-live, mock-up of the equipment configuration(s).

Applicant / Phone: Mary Diesch / 925-482-8505/ small@vinculums.com

City Contact: Rebecca Atkinson / 650-329-2596/ rebecca.atkinson@cityofpaloalto.org

www.cityofpaloalto.org/planningprojects or www.paloalto.buidingeye.com/planning

Note: Project plans will be posted within seven days on:

Sign posting required by the Planning and Community Environment Department, 650-329-2441

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

From: chen wang [mailto:wangchenhzh@hotmail.com]
Sent: Wednesday, February 08, 2017 12:51 PM
To: janetlipingding1120@gmail.com; Atkinson, Rebecca
Subject: Fw: Verizon tower

Rebecca,

For the attached proposed project, can we get some data on how much power the small cell tower will transmit, and in which frequency bands?

Thanks,
Chen

Atkinson, Rebecca

From: Eric K <chiro.kang@gmail.com>
Sent: Friday, February 10, 2017 1:42 PM
To: Atkinson, Rebecca
Subject: Re: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment

Hi Rebecca,

It was nice meeting you yesterday. I look forward to talking more with you at the meeting. Thank you.

Eric Kang

On Thu, Feb 9, 2017 at 7:18 PM, Atkinson, Rebecca <Rebecca.Atkinson@cityofpaloalto.org> wrote:

Hello Eric,

Thank you for your call and for coming by City Hall today, much appreciated.

The project plans, maps, and a detailed/expanded project description are uploaded to https://aca.accela.com/paloalto/ - search with the file number 17PLN-00033.

Let me know if you have any further questions on these materials.

I've attached the project description to this email per your request.

This is an informal, non-binding Preliminary Architectural Review application and the purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board before the applicant submits formal Major Architectural Review and Conditional Use Permit applications.

As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in the near term in order to start my staff analysis and to help in preparation of a forthcoming Architectural Review Board staff report.

Notice of the Architectural Review Board meeting date will be posted in the newspaper and mailed out to neighbors ahead of the hearing following standard City practices. The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.

You and neighbors are welcome to comment on the Preliminary Architectural Review application at the meeting or beforehand.

Thank you again.

Regards,

Rebecca

Date Submitted: February 2, 2017 File Number: 17PLN-00033

Project Type: **Preliminary Architectural Review**

Address: 250 HAMILTON AV – Project proposes multiple sites. See project description.

Project Description: Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca.accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52893). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposes to temporarily install a to-scale, non-live, mock-up of the equipment configuration(s).

Applicant / Phone: Mary Diesch / 925-482-8505/ small@vinculums.com

City Contact: Rebecca Atkinson / 650-329-2596/ rebecca.atkinson@cityofpaloalto.org

www.cityofpaloalto.org/planningprojects or www.paloalto.buidingeye.com/planning.

Note: Project plans will be posted within seven days on:

Sign posting required by the Planning and Community Environment Department, 650-329-2441

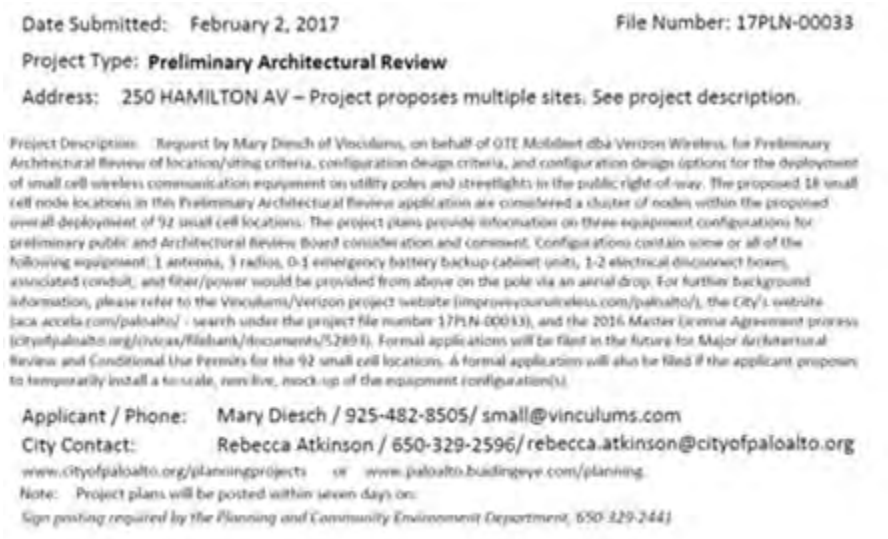
CITY OF PALO ALTO

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Atkinson, Rebecca

From: Atkinson, Rebecca
Sent: Monday, February 27, 2017 2:45 PM
To: 'choonmarykim@me.com'
Subject: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - Verizon cell top

Hello Choon Kim,
Thank you for your email - much appreciated.
From your email below, it sounds like you already saw the project plans, maps, and detailed/expanded project description which are uploaded on our Accela permit tracking system https://aca.accela.com/paloalto/ (search with the file number 17PLN-00033).
17PLN-00033 is an informal, non-binding Preliminary Architectural Review application.
The purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board before the applicant submits formal Major Architectural Review and Conditional Use Permit applications and asks for approval.
The applicant undertook their own separate analysis to determine which poles they wanted to propose.
It would be possible for you to contact the applicant to learn more about their analysis, preliminary siting criteria, nearby alternatives that they considered.
You could also make your request directly to them.
Notice of the forthcoming Architectural Review Board meeting date for 17PLN-00033 will be posted in the newspaper and mailed out to neighbors ahead of the hearing following standard City practices.
The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.
You and neighbors are welcome to comment on the Preliminary Architectural Review application at the meeting or beforehand.
As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in the near term in order to start my staff analysis and to help in preparation of a forthcoming Architectural Review Board staff report.
Please let me know if you have any further questions.
Thank you again.
Regards,
Rebecca



Date Submitted: February 2, 2017 File Number: 17PLN-00033

Project Type: **Preliminary Architectural Review**

Address: 250 HAMILTON AV – Project proposes multiple sites. See project description.

Project Description: Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca-accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52893). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposes to temporarily install a to-scale, non-live, mock-up of the equipment configuration(s).

Applicant / Phone: Mary Diesch / 925-482-8505/ small@vinculums.com

City Contact: Rebecca Atkinson / 650-329-2596/ rebecca.atkinson@cityofpaloalto.org

www.cityofpaloalto.org/planningprojects or www.paloalto.buildingeye.com/planning

Note: Project plans will be posted within seven days on:

Sign posting required by the Planning and Community Environment Department, 650-329-2441

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department

250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

-----Original Message-----
From: Choon Kim [mailto:choonmarykim@me.com]
Sent: Friday, February 24, 2017 10:30 AM
To: Atkinson, Rebecca
Subject: Verizon cell top

Hi
This is Choon kim. 925 Loma Verde Ave. Palo Alto. I don't want to support this so please find another place.
Thank you.
Choon

Sent from my iPad

Atkinson, Rebecca

From: Atkinson, Rebecca
Sent: Monday, February 27, 2017 2:26 PM
To: 'ajna@maui.net'
Subject: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - project number: 17PLN-00033,

Hello Steve Lewis,
Thank you for your email - much appreciated.
From your email below, it sounds like you would like to know how to find the project plans, maps, and detailed/expanded project description.
You can find them uploaded on our Accela permit tracking system https://aca.accela.com/paloalto/ (search with the file number 17PLN-00033).
I didn't see that any of the poles were proposed for backyard locations, but I will include this inquiry in my analysis of the project plans.
To clarify some background - 17PLN-00033 is an informal, non-binding Preliminary Architectural Review application and the purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board before the applicant submits formal Major Architectural Review and Conditional Use Permit applications.
17PLN-00033 is in regard to 18 small cell nodes within the overall 92 small cell nodes proposed by Vinculums/Verizon. The remaining nodes will come in under other application numbers.
I won't learn some information, such as in regard to radiation emission at each specific location, until the formal applications are filed.
In the meantime, I did request that the applicant provide me more information about the antenna power, frequency bands, and anything else that would be helpful, such as a weblink to an emission report from elsewhere for the same technology.
Notice of the forthcoming Architectural Review Board meeting date will be posted in the newspaper and mailed out to neighbors ahead of the hearing following standard City practices.
The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.
You and neighbors are welcome to comment on the Preliminary Architectural Review application at the meeting or beforehand.
As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in the near term in order to start my staff analysis and to help in preparation of a forthcoming Architectural Review Board staff report.
Please let me know if you have any further questions.
Thank you again.
Regards,
Rebecca

Date Submitted: February 2, 2017 File Number: 17PLN-00033

Project Type: **Preliminary Architectural Review**

Address: 250 HAMILTON AV – Project proposes multiple sites. See project description.

Project Description: Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca-accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52891). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposes to temporarily install a to-scale, non-live, mock-up of the equipment configuration(s).

Applicant / Phone: Mary Diesch / 925-482-8505/ small@vinculums.com

City Contact: Rebecca Atkinson / 650-329-2596/ rebecca.atkinson@cityofpaloalto.org

www.cityofpaloalto.org/planningprojects or www.paloalto.buildingeye.com/planning

Note: Project plans will be posted within seven days on:

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Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

From: ajna@maui.net [mailto:ajna@maui.net]
Sent: Sunday, February 19, 2017 5:47 PM
To: Atkinson, Rebecca
Subject: project number: 17PLN-00033,

HI Rebecca

I just found out about
Verizons preliminary project proposal to the City planning commission to install 92 small cells on utility poles around Palo Alto

I am very concerned about it. We have a pole 18 feet from our bedroom window in our back yard

I haven't found any plans or proposals as to where and what poles will be in used.

Please, **WE DO NOT** want the pole in our back yard used for this adding additional radiation and energy from the cell.

Please, if possible, put me on the update list, meetings etc.

Thank you

Steve Lewis
3470 Kenneth Dr.
Palo Alto, CA. 94303
650-494-6818

Project Manager: REBECCA ATKINSON - rebecca.atkinson@cityofpaloalto.org

Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca.accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52893). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposed to temporarily install a to-scale, non-live, mock-up of the equipment configuration(s).

Atkinson, Rebecca

From: Atkinson, Rebecca
Sent: Monday, February 27, 2017 1:00 PM
To: 'rwen1234@gmail.com'
Cc: Qizhang Chao
Subject: RE: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - About installing small cell wireless facility

Hello Rushan Wen & Qizhang Chao,
Good afternoon.

- I've added your questions to my list of items to research and look at during my site visits – I'll take a look at pole 2455.
- Vinculums/Verizon does plan on being the only carrier on each of the proposed poles in application 17PLN-00033, whereas other poles elsewhere in the City (example: Downtown installed by Crown Castle) requested to have up to two wireless carriers.
- Yes, some facility design/build companies have filed some applications for wireless communication facility sites on private property (example: Crown Castle, 1651 Page Mill Road) and some facility design/build companies and/or wireless carriers are also pursuing Master License Agreements with City Council for installation on wood poles and street lights in the public right-of-way. The City would be the landlord in the latter cases. AT&T, Crown Castle, and GTE Mobilnet dba Verizon already have MLAs.

Please let me know if you have any further questions.
Regards,
Rebecca

From: rwen1234@gmail.com [mailto:rwen1234@gmail.com]
Sent: Wednesday, February 15, 2017 9:42 AM
To: Atkinson, Rebecca
Cc: Qizhang Chao; rwen1234@gmail.com
Subject: RE: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - About installing small cell wireless facility

Hello Rebecca Atkinson,

Thank you for your response. The information is very helpful for us to understand the project. We are waiting for more information coming.

We found a cell wireless facility has been installed at the top of the pole 2455, near 2704 Louis Rd. The existed facility is not listed in the planning project of installing 18 cell wireless facilities. Is it from another project or wireless provider? The proposed project plan includes a facility on pole 2461, near 2802 Louis Road. The pole 2455 and pole 2461 are very close (about 400-500 feet). Why are two facilities required to install in one neighborhood block?

The project is operated by Verizon. Will these new facilities be used by Verizon only? Are there other projects to install similar facilities in Palo Alto from other wireless providers?

Thank you for your attention.

Regards,

Rushan & Qizhang

Sent from Mail for Windows 10

From: Atkinson, Rebecca
Sent: Thursday, February 9, 2017 7:32 PM
To: rwen1234@gmail.com
Cc: Qizhang Chao
Subject: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - About installing small cell wireless facility

Hello Rushan Wen & Qizhang Chao,
Thank you for your email, much appreciated.
The project plans, maps, and a detailed/expanded project description are uploaded to https://aca.accela.com/paloalto/ - search with the file number 17PLN-00033.
Let me know if you have any questions on these materials.
This is an informal, non-binding Preliminary Architectural Review application and the purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board before the applicant submits formal Major Architectural Review and Conditional Use Permit applications.
As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in the near term in order to start my staff analysis and to help in preparation of a forthcoming Architectural Review Board staff report.
I won't learn some information, such as in regard to radiation emission at each specific location, until the formal applications are filed. In the meantime, I did request that the applicant provide me more information about the antenna power and anything else that would be helpful, such as a weblink to an emission report from elsewhere for the same technology.
I will try to answer your questions in my staff report or beforehand.
Notice of the Architectural Review Board meeting date will be posted in the newspaper and mailed out to neighbors ahead of the hearing following standard City practices. The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.
You and neighbors are welcome to comment on the Preliminary Architectural Review application at the meeting or beforehand.
Thank you again.
Regards,
Rebecca

Date Submitted: February 2, 2017 File Number: 17PLN-00033

Project Type: **Preliminary Architectural Review**

Address: 250 HAMILTON AV – Project proposes multiple sites. See project description.

Project Description: Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca.accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52891). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposes to temporarily install a to-scale, non-live, mock-up of the equipment configuration(s).

Applicant / Phone: Mary Diesch / 925-482-8505/ small@vinculums.com
City Contact: Rebecca Atkinson / 650-329-2596/ rebecca.atkinson@cityofpaloalto.org

www.cityofpaloalto.org/planningprojects or www.paloalto.buildingeye.com/planning

Note: Project plans will be posted within seven days on:

Sign posting required by the Planning and Community Environment Department, 650-329-2441

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

From: rwen1234@gmail.com [mailto:rwen1234@gmail.com]
Sent: Thursday, February 09, 2017 10:44 AM
To: Atkinson, Rebecca
Cc: Qizhang Chao; rwen1234@gmail.com
Subject: About installing small cell wireless facility

Dear Rebecca Atkinson,

We received a letter from Verizon. It says Verizon is planning to install a small cell wireless facility on the top of an exiting telephone pole near our house on 2796 Louis Rd. We are seriously concerned the impact to human health by the radiation emission from the facility. We are seniors and stay in the house everyday, almost entire day. Cross the street is an elementary school. We are especially concerned the harmfulness of the radiation emission to the young children attending that elementary school.

Please provide following information to help us understanding the project and its impact to our environment.

1. What is the exactly location of the exiting telephone pole near 2796 Louis Rd which the small cell wireless facility will be installed?
2. What are the Federal, state and city requirements and restrictions for installing the small cell wireless facility in residential area?
3. What is the status of the project going on in Planning division of Palo Alto city?
4. Why does the Palo Alto city allowed to install the cell wireless facility in residential area ?
5. Does Palo Alto plan to hold public hearing about the project? When it will be? We would like to attend.

Thank you for your attention,

Sincerely

Rushan Wen & Qizhang Chao

Atkinson, Rebecca

From: Max Ibel <maxi@google.com>
Sent: Tuesday, February 28, 2017 11:19 AM
To: Atkinson, Rebecca
Subject: Re: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - Verizon small cell details

Dear Ms. Atkinson

thank you so much for your reply. There is no rush, I'm happy to wait until more data is available - I would appreciate a heads up if it is.

For what it's worth, I'm not against those radio installations, since I assume that the installation meets FCC guidelines, and those guidelines are already plenty strict wrt EM radiation exposure on humans. Having more data will make it easier to argue with concerned neighbors etc.

Best regards and have a great week

Max

On Monday, 27 February 2017, Atkinson, Rebecca <Rebecca.Atkinson@cityofpaloalto.org> wrote:

Hello Max Ibel,

Thank you for your email, much appreciated.

From your email below, it sounds like you have already found the project plans, maps, and a detailed/expanded project description that are uploaded on our Accela permit tracking system https://aca.accela.com/paloalto/ (search with the file number 17PLN-00033).

To clarify some background - This is an informal, non-binding Preliminary Architectural Review application and the purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board before the applicant submits formal Major Architectural Review and Conditional Use Permit applications.

I won't learn some information, such as in regard to radiation emission at each specific location, until the formal applications are filed.

In the meantime, I did request that the applicant provide me more information about the antenna power, frequency bands, and anything else that would be helpful, such as a weblink to an emission report from elsewhere for the same technology.

I will try to answer your questions in my staff report or beforehand.

Notice of the forthcoming Architectural Review Board meeting date will be posted in the newspaper and mailed out to neighbors ahead of the hearing following standard City practices.

The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.

You and neighbors are welcome to comment on the Preliminary Architectural Review application at the meeting or beforehand.

As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in the near term in order to start my staff analysis and to help in preparation of a forthcoming Architectural Review Board staff report.

Please let me know if you have any further questions.

Thank you again.

Regards,

Rebecca

Date Submitted: February 2, 2017 File Number: 17PLN-00033

Project Type: **Preliminary Architectural Review**

Address: 250 HAMILTON AV – Project proposes multiple sites. See project description.

Project Description: Request by Mary Diesch of Vinculums, on behalf of GTE Mobilnet dba Verizon Wireless, for Preliminary Architectural Review of location/siting criteria, configuration design criteria, and configuration design options for the deployment of small cell wireless communication equipment on utility poles and streetlights in the public right-of-way. The proposed 18 small cell node locations in this Preliminary Architectural Review application are considered a cluster of nodes within the proposed overall deployment of 92 small cell locations. The project plans provide information on three equipment configurations for preliminary public and Architectural Review Board consideration and comment. Configurations contain some or all of the following equipment: 1 antenna, 3 radios, 0-1 emergency battery backup cabinet units, 1-2 electrical disconnect boxes, associated conduit, and fiber/power would be provided from above on the pole via an aerial drop. For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca-accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52891). Formal applications will be filed in the future for Major Architectural Review and Conditional Use Permits for the 92 small cell locations. A formal application will also be filed if the applicant proposes to temporarily install a to-scale, on-site, mock-up of the equipment configuration(s).

Applicant / Phone: Mary Diesch / 925-482-8505/ small@vinculums.com

City Contact: Rebecca Atkinson / 650-329-2596/ rebecca.atkinson@cityofpaloalto.org

www.cityofpaloalto.org/planningprojects or www.paloalto.buildingeye.com/planning

Note: Project plans will be posted within seven days on:

Sign posting required by the Planning and Community Environment Department, 650-329-2441

CITY OF PALO ALTO

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

From: Maximilian Ibel [mailto:maxi@google.com]
Sent: Thursday, February 16, 2017 9:21 AM
To: Atkinson, Rebecca
Subject: Verizon small cell details

Dear Ms. Atkinson,

I'd like to know a bit more about the proposed small cells that are erected in Palo Alto, e.g. the one to be installed in front of my neighbor's house. The documentation online is actually quite uninformative.

I would like to know basic specs that allow the community to understand the potential impact on residents. In particular:

1) The radio frequency power and frequency band (e.g. 1900MHz band at 8W power)

2) The antenna characteristics (usually shown in Smith charts)

The current material out there is just stating the safety without any data behind it. Bolstering the claims with data would strengthen the case for Verizon (and help the community accept) the installations. Verizon will have this data as it is required to get FCC certification for the transceiver and antenna installations.

Best regards

Max Ibel, AG6QD

Atkinson, Rebecca

From: John Carey <pacificjack@earthlink.net>
Sent: Friday, March 31, 2017 2:40 PM
To: Atkinson, Rebecca
Subject: Re: No cell phone service in my house

Thank You very much Rebecca Atkinson
John Carey

On Mar 31, 2017, at 1:59 PM, Atkinson, Rebecca <Rebecca.Atkinson@CityofPaloAlto.org> wrote:

Hello John Carey,
Good afternoon.
Thank you for your email.
I anticipate that Vinculums/Verizon would submit a Major Architectural Review/Conditional Use Permit application for small cell deployment in the Professorville area, as they mention in their current 17PLN-00033 Preliminary Architectural Review application for the Mid-Town area that they will be proposing at or approximately 92 new nodes in various neighborhoods in the City.
The best contact for which to ask your question is Mary Diesch at Vinculums (Mary Diesch | Vinculums Services | Site Acquisition Manager, Small Cells; small@vinculums.com; 925-482-8505).
For further background information, please refer to the Vinculums/Verizon project website (improveyourwireless.com/paloalto/), the City's website (aca.accela.com/paloalto/ - search under the project file number 17PLN-00033), and the 2016 Master License Agreement process (cityofpaloalto.org/civicax/filebank/documents/52893).
Regards,
Rebecca

<image001.jpg>

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

-----Original Message-----
From: John Carey [mailto:pacificjack@earthlink.net]
Sent: Friday, March 31, 2017 11:02 AM
To: Atkinson, Rebecca
Subject: No cell phone service in my house

I have very bad to non-existence verizon cell phone coverage in my house at 325 Kingsley Ave, or outside, in Palo Alto Professorville neighborhood.

None of the Small Cell Locations in Proposed Cluster 1 look like they will help my situation since they are very far away.

Are there Small Cell Locations being consider for my neighborhood? If not what can I do to support obtaining cell coverage in my neighborhood

Thank You
John Carey

Atkinson, Rebecca

From: Atkinson, Rebecca
Sent: Monday, May 08, 2017 6:09 PM
To: 'Greg Kovacs'
Cc: Mary Diesch; Lisa Ma Wu; Eric Wu; Alison Cole; Gerhardt, Jodie
Subject: Opposition to Small Cell Installation at 4174 King Arthur Court

Dear Greg Kovacs and Mary Diesch,
I wanted to confirm to you both that I have contacted our Utilities-Electrical Department for the latest pertaining to undergrounding across the City – I'm awaiting word back, including confirmation of the best contact people to answer questions on that topic. I will get back to you.
You can feel free to submit comments on applications via email to me and I'll include them in the record. You can also contact the Architectural Review Board members (arb@cityofpaloalto.org), our Director of Planning and Community Environment Hillary Gitelman (Hillary.Gitelman@CityofPaloAlto.org), or Current Planning Manager Jodie Gerhardt (Jodie.Gerhardt@CityofPaloAlto.org). As a courtesy, as you have already been doing, please cc me so that it will be easier to maintain the record.
You'll be able to find the Architectural Review Board agendas and staff reports for wireless projects on the City's ARB website (http://www.cityofpaloalto.org/gov/boards/architectural.asp). Ms. Diesch's application 17PLN-00033 (as described below) is currently scheduled for discussion on 5/18. The associated staff report will be uploaded/released a week before the meeting.
We will upload any forthcoming (informal Preliminary Architectural Review and formal Major Architectural Review/Conditional Use Permit) wireless applications to Accela and the City's website – hopefully that will make it easier for members of the public to review the materials.
Regards,
Rebecca

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

From: Greg Kovacs [mailto:greg.kovacs@physiowave.com]
Sent: Monday, May 08, 2017 4:02 PM
To: Atkinson, Rebecca
Cc: Mary Diesch; Lisa Ma Wu; Eric Wu; Alison Cole
Subject: Re: Opposition to Small Cell Installation at 4174 King Arthur Court

Dear Rebecca,
Thank you for your note. Sorry for the delay - was on travel.

We are very much wanting underground utilities and it is clear that adding costly infrastructure to the "developing nations look" wire mess above our homes will not help, but rather hinder that. We will most strongly oppose any such actions.

Can you please connect us with the person responsible for Palo Alto's "undergrounding" plan?

Meanwhile, rather than attend community meetings (most of us are rather busy) please advise on how to submit our inputs. Should we send letters and/or petitions to you?

Thanks,
Greg

From: Atkinson, Rebecca
Sent: Friday, April 28, 2017 11:56 AM
To: 'Greg Kovacs'; Mary Diesch
Cc: Lisa Ma Wu; Eric Wu; Alison Cole
Subject: RE: Opposition to Small Cell Installation at 4174 King Arthur Court

Dear Greg Kovacs,

Thank you for your email below and for cc'ing me.

FYI - The application 17PLN-00033 that we currently have on file is for Preliminary Architectural Review of the proposed 18 small cell nodes in the Mid-Town Neighborhood. I've attached the project description for easy reference. It includes a description of the proposed designs, etc. You can look up the project plans for the application online using a search "Citizen Portal Palo Alto" – it should bring you to our permit tracking system called Accela. Enter application "17PLN-00033" under the Planning tab, and then go to the Record Info drop down menu.

I don't yet have a Preliminary Architectural Review or a Formal Major Architectural Review/Conditional Use Permit application for the areas around Barron Park and Green Acres, so I don't yet know proposed locations and so forth.

It is my understanding that Vinculums/Verizon is in the process of sending out letters and hosting community meetings about their proposed small cell nodes in your area and across neighborhoods for their overall 92 proposed new nodes to comply with Palo Alto Municipal Code Section **18.42.110 Wireless Communication Facilities (d) WCF Application Requirements (7)**, which states:

"(7) For Tier 2 and 3 WCF Permits, the applicant must host a community meeting at a time and location designed to maximize attendance by persons receiving notice under this subparagraph to provide outreach to the neighborhood around the project site. The applicant shall give notice of the community meeting to all residents and property owners within 600 feet of the project site at least 14 days in advance of the community meeting. The applicant shall provide a proof of notice affidavit to the city that contains:

(i) Proof that the applicant noticed and hosted the community meeting before filing the application;

(ii) A summary of comments received at the community meeting and what, if any, changes were made to the application as a result of the meeting…"

I welcome and look forward to receiving public comments on applications.

Dear Mary Diesch,

I don't yet have, but would be very interested in learning the pole numbers/closest addresses for all 92 proposed new nodes when you have them. Dr. Kovacs helpfully included the address in the subject line, so I'll be able to look into his questions/comments. If you provide this information to me directly - I'll be better able to field public comments and work with staff from other Departments.

Thank you both for keeping me in the loop. Feel free to contact me with any questions.

Regards,

Rebecca

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

From: Greg Kovacs [mailto:greg.kovacs@physiowave.com]
Sent: Wednesday, April 26, 2017 10:16 PM
To: Mary Diesch
Cc: Atkinson, Rebecca; Lisa Ma Wu; Eric Wu; Alison Cole
Subject: Re: Opposition to Small Cell Installation at 4174 King Arthur Court

Dear Ms. Diesch,
I'm totally easy about it, but even if you call me stupidhead, I have two doctorates, so it is Dr. Stupidhead until we get to know each other. Dr. Wu (copied), even though we are friends, I call Dr. Wu in formal correspondence like this.

I'm afraid we will have to correspond in writing, so please fire away with any questions. I will copy the Wu's and soon our other neighbors on the cul de sac, as I'm sure they will be keenly interested. We have several other folks who are highly technically skilled and educated (as you should expect in Palo Alto).

Please do not get hung up on my household's needs. I believe the consensus here is that we want underground utilities - very much. The City has been dragging it out despite multiple requests. Adding ANY infrastructure to the poles can only provide excuses for dragging it out further. In a word: no.

Please answer **one** simple question. There is public land across the street: Terman Middle School. Why on Earth don't you put the installation there? There is no - and I mean NO - logical reason that the RF field pattern (meaning those color-shaded coverage maps cellular companies like) would be any different if you put it there versus in our cul de sac. I suspect I know the answer, but I truly want to hear yours.

Anyway, in writing is the way we have to do this. However, you will not meet the slightest resistance to discussion via this channel. I strongly advise using it.

Thanks,
Greg

> On Apr 26, 2017, at 1:03 PM, Mary Diesch <mdiesch@vinculums.com> wrote:
>
> Mr. Kovacs,
>
> Thank you for reaching out with your concerns. I have shared your letter with the engineering team at Verizon Wireless.
>
> Would it be possible to call you with a couple of questions? We would like to understand what kind of distance is being sought. Please also feel free to call me at the number below.
>
> Again, thank you for taking the time.

Warmest Regards,
Mary

Mary Diesch | Vinculums Services | Site Acquisition Manager, Small Cells |
office +1-415-730-3700 | mdiesch@vinculums.com

-----Original Message-----
From: Greg Kovacs [mailto:greg.kovacs@physiowave.com]
Sent: Sunday, April 23, 2017 12:59 PM
To: mdiesch@vinculums.com
Cc: Lisa Ma Wu <lisama@gmail.com>; Rebecca.Atkinson@CityofPaloAlto.org
Subject: Opposition to Small Cell Installation at 4174 King Arthur Court

Dear Ms. Diesch,
I am in receipt of your letter postmarked 4/20/17 informing us of your proposal to site a Verizon small cell wireless facility on the telephone pole adjacent to our home at 4147 King Arthur Court.

Attached, please find my response, with cc to our immediate neighbors and Ms. Atkinson at City Hall, whose name appears as the contact on the City's website.

Please acknowledge receipt.

Sincerely,
Greg Kovacs

<Project Description 3 30 2017 Preliminary Architectural Review.pdf>

Atkinson, Rebecca

Subject: Verizon cell project
Attachments: Project Description 5 05 2017 Preliminary Architectural Review.pdf

From: Atkinson, Rebecca
Sent: Tuesday, May 09, 2017 1:10 PM
To: 'Jeanne Fleming'
Subject: RE: Verizon cell project

Dear Jeanne Fleming,
Good afternoon.
Partly to respond to your request for more information on the project, the applicant for 17PLN-00033 updated the project description on May 5, 2017 to include more visual simulations, including close-ups of the proposed equipment on the poles. Please see the visual simulations in the attached PDF. This Preliminary Architectural Review application is currently scheduled for Architectural Review Board discussion on 5/18. The associated staff report will be uploaded/released a week before the meeting on the City's Architectural Review Board website (http://www.cityofpaloalto.org/gov/boards/architectural.asp).
Regards,
Rebecca

From: Jeanne Fleming [mailto:JFleming@Metricus.net]
Sent: Tuesday, May 02, 2017 9:14 PM
To: Atkinson, Rebecca
Subject: RE: Verizon cell project

Thank you for your prompt reply, Rebecca Atkinson. I'm most appreciative.

With regards,

Jeanne

Jeanne Fleming, Ph.D.
JFleming@Metricus.net
650-325-5151

From: Atkinson, Rebecca [mailto:Rebecca.Atkinson@CityofPaloAlto.org]
Sent: Monday, May 01, 2017 5:57 PM
To: JFleming@Metricus.net
Subject: RE: Verizon cell project

Dear Jeanne Fleming, Ph.D.,
I am resending you the email below without attachments in case there is a file size limit on your email system.
Regards,
Rebecca

From: Atkinson, Rebecca
Sent: Monday, May 01, 2017 5:54 PM
To: 'JFleming@Metricus.net'
Subject: Verizon cell project

Dear Jeanne Fleming, Ph.D.,

Thank you for your email, much appreciated.

I think that I'll have to send you a few different email responses.

To start though, please see my blue highlighted text in-line with your questions.

Regards,

Rebecca

1. As I understand it, 92 small cell locations are planned, of which 18 have actually been preliminarily sited. All of those 18 seem to be in Old Palo Alto. Of the remaining 74, how many will be sited in Old Palo Alto?

The application 17PLN-00033 that we currently have on file is for Preliminary Architectural Review of the proposed 18 small cell nodes. I've attached the latest March 30 project description for your easy reference. It includes a description of the proposed designs, etc.

It sounds like you have already done so, but you can look up the latest March 30 project plans for the application online using a search "Citizen Portal Palo Alto" – it should bring you to our permit tracking system called Accela. Enter application "17PLN-00033" under the Planning tab, and then go to the Record Info/Attachments drop down menu.

I have requested that the applicant (Vinculums/Verizon) provide the Planning Department with all of the latest proposed pole locations, but they are not required to do so for the poles until they submit either an informal/non-binding Preliminary Architectural Review application or their formal Major Architectural Review/Conditional Use Permit applications.

It is my understanding, however, that the applicant is in the process of sending out letters and hosting a series of community meetings about their proposed small cell nodes across neighborhoods for the overall 92 proposed new nodes to comply with Palo Alto Municipal Code Section **18.42.110 Wireless Communication Facilities (d) WCF Application Requirements (7)**, which states:

"(7) For Tier 2 and 3 WCF Permits, the applicant must host a community meeting at a time and location designed to maximize attendance by persons receiving notice under this subparagraph to provide outreach to the neighborhood around the project site. The applicant shall give notice of the community meeting to all residents and property owners within 600 feet of the project site at least 14 days in advance of the community meeting. The applicant shall provide a proof of notice affidavit to the city that contains:

(i) Proof that the applicant noticed and hosted the community meeting before filing the application;

(ii) A summary of comments received at the community meeting and what, if any, changes were made to the application as a result of the meeting…"

2. Would you please send me *photographs* of what these installations look like? (I've seen drawings, but it is difficult to understand exactly how "aesthetically discrete" (as Verizon would have it) this technology is without actually seeing it.) And would you please direct me to existing small cell locations in Palo Alto or nearby communties?

While I don't have photographs of example installations at this time, Attachment E – Photo Simulations of Configurations in the attached project description contains three example photo simulations of the proposed installations.

It is my understanding that the applicant will be installing a non-live mock-up of Configuration 1 near the Palo Alto Art Center within the next two weeks or so. The pole is adjacent to 1350 Newell. We granted this for the purposes of supporting a more realistic opportunity for members of the public to understand what is proposed by seeing the equipment first hand. We received a performance bond in guarantee that the mock site would be up for 1 year or less. Please see the attached approval letter for the non-live mock-up.

I'll ask the applicant for addresses in adjacent communities that utilize the same configurations that they are proposing for Palo Alto. It is highly likely that there are not exact duplicates, as the applicant is continually adjusting designs and other Cities often don't require as much as what Palo Alto does in our Municipal Code.

3. Would you please send me non-industry research findings related to the health and safety of the proposed small cell installationmos?

The Planning Department will be pulling in an independent peer reviewer to review the formal Major Architectural Review/Conditional Use Permit applications to address emissions/health and safety questions. However, we don't have that person under contract yet because we don't yet have the aforementioned formal applications on file. The applicant is only required to produce an RF report for the formal applications. I would like this independent peer reviewer to be able to provide the types of information that addresses your question.

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

From: Jeanne Fleming [mailto:JFleming@Metricus.net]
Sent: Monday, May 01, 2017 2:41 PM
To: Atkinson, Rebecca
Subject: Verizon cell project

Hello Rebecca Atkinson,

I would appreciate it if you would answer a couple of questions for me:

1. As I understand it, 92 small cell locations are planned, of which 18 have actually been preliminarily sited. All of those 18 seem to be in Old Palo Alto. Of the remaining 74, how many will be sited in Old Palo Alto?

2. Would you please send me *photographs* of what these installations look like? (I've seen drawings, but it is difficult to understand exactly how "aesthetically discrete" (as Verizon would have it) this technology is without actually seeing it.) And would you please direct me to existing small cell locations in Palo Alto or nearby communties?

3. Would you please send me non-industry research findings related to the health and safety of the proposed small cell installations?

Thank you for your help.

Cheers,

Jeanne Fleming, Ph.D.
JFleming@Metricus.net
650-325-5151

Atkinson, Rebecca

Subject: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - Verizon cell tower proposal
Attachments: Project Description 5 05 2017 Preliminary Architectural Review.pdf

From: Atkinson, Rebecca
Sent: Tuesday, May 09, 2017 1:16 PM
To: 'Larry Yang'
Subject: RE: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - Verizon cell tower proposal

Dear Larry Yang.
Good afternoon.
Partly to respond to your request for more information on the project, the applicant for 17PLN-00033 updated the project description on May 5, 2017 to include more visual simulations, including close-ups of the proposed equipment to show more of the side view. Please see the visual simulations in the attached PDF. This Preliminary Architectural Review application is currently scheduled for Architectural Review Board discussion on 5/18. The associated staff report will be uploaded/released a week before the meeting on the City's Architectural Review Board website (http://www.cityofpaloalto.org/gov/boards/architectural.asp).
Regards,
Rebecca

From: Atkinson, Rebecca
Sent: Monday, May 01, 2017 2:48 PM
To: 'Larry Yang'
Subject: RE: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - Verizon cell tower proposal

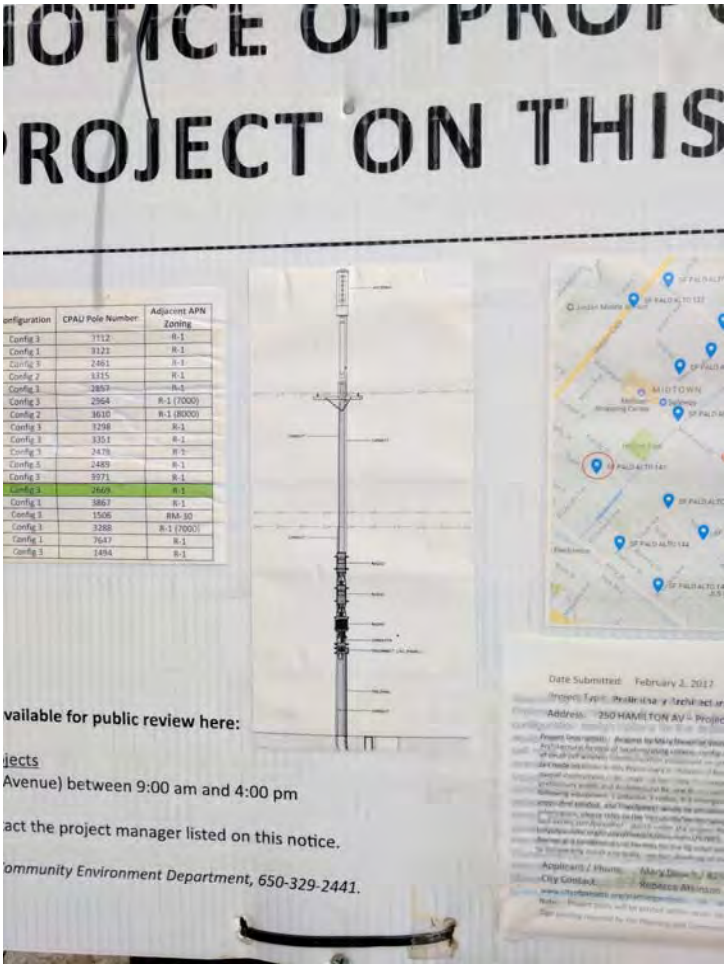
Hello Larry,
Thank you for your email.
Yes, you are correct – the sign only shows one side. The purpose is to give viewers a sense of what is being proposed. The project plans and project description have much more information, including side views and details on mounting, etc. The updated version of the project plans and project description are accessible online using the weblinks on the notice board. For your ease, I'm including the weblink/directions:

- https://aca.accela.com/paloalto/
- Go to the Planning Tab
- Insert the application number 17PLN-00033
- Look under the Record Info drop down menu for Attachments
- Within the many attachments listed, you should be able to find the March 30 project plans and March 30 project description

I just did this now and I had to click through some older attachments to get to the latest.
Please let me know if you have any difficulty seeing the side views.
Regards,
Rebecca
From: Larry Yang [mailto:lyang8888@gmail.com]
Sent: Sunday, April 30, 2017 10:44 PM
To: Atkinson, Rebecca
Subject: Re: 17PLN-00033 - Preliminary Architectural Review Application – Vinculums/Verizon Proposed Cluster 1 Small Cell Deployment - Verizon cell tower proposal

Thank you very much for your reply, taking my comments into consideration, and taking the time to notice the cooling fan noise! Responsive city staff is what makes Palo Alto such a great city to live in!

One additional item I noticed today: the drawing on the sign doesn't seem to be a complete representation of what will go up, if the AT&T tower next to it is an indication. The problem is that it's a front view; when seen from the side (which is how pedestrians will see it), the bulk of the electronics becomes readily apparent. The notice should include the side view. Thanks!



Thanks!

== Larry Yang
2888 Ramona Street

On Wed, Apr 19, 2017 at 6:06 PM Atkinson, Rebecca <Rebecca.Atkinson@cityofpaloalto.org> wrote:

> Dear Larry Yang,
>
> Good evening.
>
> Thank you for your email below. I heard noise from an AT&T site when I walked by it and have mentioned it to my contact there.
>
> Meanwhile, I mentioned noise considerations to the Vinculums/Verizon team and they indicated that the cooling fans used in older designs aren't proposed for these nodes.
>
> Just some basic info – The notice board is for an informal, non-binding Preliminary Architectural Review application. The purpose for this application is to disseminate information and receive feedback from the public and the Architectural Review Board on the location/siting criteria, design options, and design criteria before the applicant submits formal Major Architectural Review and Conditional Use Permit applications.
>
> As the Project Planner for this application, I'll be going out to all of the proposed deployment locations in order to complete my staff analysis and to help finish preparation of a forthcoming Architectural Review Board staff report.

Notice of the Architectural Review Board meeting date will be posted in the newspaper and mailed out to neighbors ahead of the hearing following standard City practices. The Architectural Review Board agenda and staff report will be posted on the City's website a week before the meeting.

You and neighbors are welcome to comment further on the Preliminary Architectural Review application at the meeting or beforehand.

Thank you again.

Regards,

Rebecca

Rebecca Atkinson, PMP, AICP, LEED Green Associate | Planner | P&CE Department
250 Hamilton Avenue | Palo Alto, CA 94301
T: 650.329.2596 | F: 650.329.2154 |E: rebecca.atkinson@cityofpaloalto.org

Please think of the environment before printing this email – Thank you!

From: Larry Yang [mailto:lyang8888@gmail.com]
Sent: Friday, March 17, 2017 12:20 PM
To: Atkinson, Rebecca
Subject: Verizon cell tower proposal

I don't think the tower at El Dorado and South Court is necessary, and I don't want the added noise.

I am a Verizon customer and my cell coverage at home is fine. I use my home WiFi for internet.

I was surprised the ATT cell tower went up on the pole next to this proposed one. Whenever I walk by I can definitely hear the noise from it, which is how I noticed it.

It's a little sneaky that this notice is up in front of a house under construction. Makes you think it's related to the existing construction, so it's easy to ignore. Maybe it's just a coincidence.

Thanks.

Larry Yang

2888 Ramona At

Thanks.

Attachment E

Project Plans

Hardcopies of project plans are provided to ARB Members. These plans are available to the public by visiting the Planning and Community Environmental Department on the 5th floor of City Hall at 250 Hamilton Avenue.

Project Webpage:

http://www.cityofpaloalto.org/news/displaynews.asp?NewsID=3883

Additional Access Directions for Reviewing Project Plans online:

1. Go to: https://paloalto.buildingeye.com/planning
2. Search for "250 Hamilton Avenue" and open the record for 17PLN-00033 by clicking on the green dot
3. Review the record details and open the "more details" option
4. Use the "Records Info" drop down menu and select "Attachments"
5. Open the attachment named "**Project Plans 3 30 2017 Preliminary Architectural Review**"

Note:

The address for this application 17PLN-00033 is listed in the City's permit tracking system under 250 Hamilton Avenue because the utility poles that are proposed to host the small cell deployment nodes are identified by unique pole numbers and do not have specific property addresses.