

Discussion Issues

Issue	Discussion Notes	Date																				
Permit Review Timelines (Shot Clocks)																						
1) What are the timeframes for permit review? (Myers)	<p><u>City Council Discussion</u></p> <p>Councilmember Myers requested additional information describing the timeframes through which the City will process applications for small wireless facilities, and when such facilities might be deployed.</p> <p><u>Staff Response/Recommendation</u></p> <p>Based on discussion with service providers, staff anticipates receiving applications for small wireless facilities soon after the Council’s action on the proposed amendments.</p> <p>Timeframes established by the 2018 wireless code amendment are based on the type of facility and its location within the City’s zoning designation. An application will be reviewed as either a Type I or Type II land use permit (described below), Right-of-way use permit, or with a building permit (RZC 21.56.020) in compliance with the following FCC shot clocks:</p> <table><tr><th colspan="2">FCC Review Shot Clock Types and Times</th></tr><tr><th>Type of Review</th><th>Shot Clock</th></tr><tr><td>Franchise</td><td>120 days</td></tr><tr><td>ROW Permit</td><td>30 days</td></tr><tr><td>Collocation of small wireless facilities*</td><td>60 days</td></tr><tr><td>Collocations of facilities other than small wireless**</td><td>90 days</td></tr><tr><td>Construction of new small wireless facilities*</td><td>90 days</td></tr><tr><td>Construction of new facilities other than small wireless**</td><td>150 days</td></tr><tr><td>Eligible Facilities Requests (6409(a))</td><td>60 days</td></tr><tr><td>Eligible Facilities Requests Application Review</td><td>60 days (deemed granted if not acted upon)</td></tr></table> <p>*Green-shaded shot clocks are new **Previously existed but were not codified. FCC codifies them in the Declaratory Ruling.</p> <ul style="list-style-type: none">• RZC 21.76.050.F Type I Review is an administrative review involving decision by the department director or their designee.• RZC 21.76.050.G Type II Review is an administrative review involving a notice of application and comment period and decision by the Technical Committee.	FCC Review Shot Clock Types and Times		Type of Review	Shot Clock	Franchise	120 days	ROW Permit	30 days	Collocation of small wireless facilities*	60 days	Collocations of facilities other than small wireless**	90 days	Construction of new small wireless facilities*	90 days	Construction of new facilities other than small wireless**	150 days	Eligible Facilities Requests (6409(a))	60 days	Eligible Facilities Requests Application Review	60 days (deemed granted if not acted upon)	Open 4/3
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Amendment to Redmond Zoning Code (RZC) Regarding Wireless Communication Facilities (LAND-2019-00094, SEPA-2019-00100)

City Council Issues Matrix


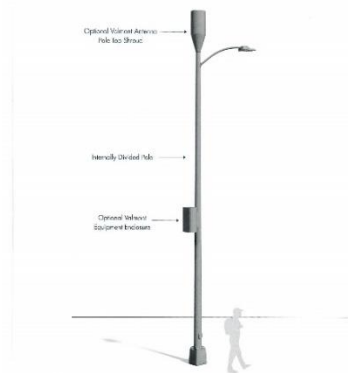
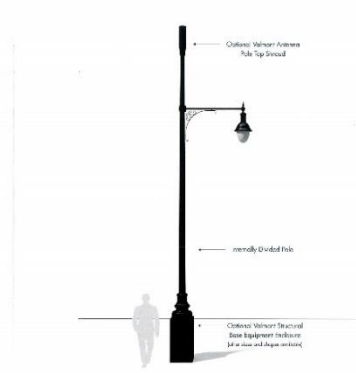
Issue	Discussion Notes	Date
Cost		
2) What are the fees that will be charged to small cell wireless service providers? What is the cost to the providers for replacing poles? (Myers)	<p><u>City Council Discussion</u> Councilmember Myers requested additional information regarding fees and costs to service providers for the provision of small wireless service and any necessary replacement of poles.</p> <p><u>Staff Response/Recommendation</u> A fee resolution will accompany subsequent amendments to the City's Master License Agreement and Redmond Municipal Code (RMC) for the City's Council's review and action. Additional information will be provided regarding agreements and fees associated with collocation City-owned poles.</p>	Open 4/3
Aesthetics, Dimensions, and Weight		
3) What is the actual size and weight of small cell facilities as anticipated for installation in Redmond? How will small cell facilities impact the City's infrastructure and continue to adhere to the City's aesthetics? (Myers)	<p><u>City Council Discussion</u> Councilmember Myers requested additional information describing the anticipated aesthetics, dimensions, and weight of small cell facilities for deployment in the City. Has staff considered unintended barriers to small cell implementation?</p> <p><u>Staff Response/Recommendation</u> Though information specific to facilities in Redmond has not been submitted by the providers, staff has considered the deployment process and is continuing to work with service providers and pole manufactures regarding design, details, structural specifications, and implementation. Additional information may be provided during the Council's subsequent review of amendments to the RMC.</p> <p>In 2018, the City Council approved amendments to RZC 21.56 Wireless Communication Facilities, including 21.56.050 Design Standards for Wireless Communication Facilities. The Council's action simplified the permitting process and established the definition of <u>Special Design Areas</u> — public rights-of-way within the Downtown and Overlake neighborhoods (<i>Planning Commission Report, Exhibit A, Recommended Amendments to the Redmond Zoning Code, pg. D-36</i>). Recommended amendments to these sections for compliance with the FCC's rule are minor, including:</p> <ul style="list-style-type: none"> For small cell facilities located within the rights of way, applicants shall use utility or light poles that have a similar or compatible design to existing neighboring utility or light poles in the rights of way. (Exhibit A, pg. D-16) 	Open 4/3

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	<ul style="list-style-type: none">• Attachment of additional small cell facilities to a utility pole which has an existing small cell facility shall be permitted if located in a manner that minimizes clutter and visual impact on the utility pole. (Exhibit A, D-19)• Attachment of additional wireless facilities to a utility pole where an existing wireless facility is attached, shall be permitted if located in a manner that minimized clutter and visual impact. Canister antennas attached to the top of the pole shall be stacked if technically feasible. (Exhibit A, D-22) <p>As an example, the following is a small cell facility that has been located at a new mixed-use development within the City:</p>  <p>The following images are design examples provided by Verizon, a service provider, and by Valmont, a pole manufacturer. These are for example purposes only, the images are not specific to Redmond, and would need to be reviewed in the context of the City's regulations and applicable Special Design Areas:</p>	

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	<div data-bbox="747 225 1587 711"> <div> <div>Antenna Options</div> <div>Verizon Standard Configurations</div> </div> <div> <div> <div>Tri-Sector Antenna</div> <div>Adjustable Azimuth Antenna*</div> </div> <div>  </div> <div> <div> <div>Smart Lighting Hub</div> <div>4G/5G Radio Combinations, 4K Video</div> <div>FlexMount System™ and FlexTrack System™</div> <div>Custom Aesthetic & Architectural Details</div> <div>Universal Mount Bay</div> </div> <div> <div>Size Configurations</div> <table> <tr> <td>4G Only</td><td>High Band (S&B) + COTS with LAA User Power (20%)</td></tr> <tr> <td>Small 4G/5G</td><td>5G + High Band (S&B) + COTS with LAA User Power (50%)</td></tr> <tr> <td>4G Low Band with 5G</td><td>3 Sector 5G + Low Band (S&B) + COTS with LAA User Power (20%)</td></tr> <tr> <td>4G Low and High Band with 5G</td><td>3 Sector 5G + Low Band (S&B) + COTS with LAA User Power (20%) + 3 Sector 5G + Low Band (S&B) + COTS with LAA User Power (20%)</td></tr> <tr> <td>5G Only</td><td>3 Sector 5G + COTS with LAA User Power (20%)</td></tr> <tr> <td>Multi-Operator 4G/5G</td><td>Up to 100% 5G + 3G/4G (LAA) + COTS with LAA User Power (20%)</td></tr> </table> </div> </div> </div> <p><i>*Designs are for illustration only and are not specific to Redmond</i></p> <div> <div>DUAL USE POLE SOLUTIONS</div> <div>  </div> <div> <div>7</div> <div>Additional Information Available at redmondpole.com 800.827.5618</div> </div> </div> <div> <div>DUAL USE POLE SOLUTIONS</div> <div>  </div> <div> <div>8</div> <div>Additional Information Available at redmondpole.com 800.827.5618</div> </div> </div> </div>	4G Only	High Band (S&B) + COTS with LAA User Power (20%)	Small 4G/5G	5G + High Band (S&B) + COTS with LAA User Power (50%)	4G Low Band with 5G	3 Sector 5G + Low Band (S&B) + COTS with LAA User Power (20%)	4G Low and High Band with 5G	3 Sector 5G + Low Band (S&B) + COTS with LAA User Power (20%) + 3 Sector 5G + Low Band (S&B) + COTS with LAA User Power (20%)	5G Only	3 Sector 5G + COTS with LAA User Power (20%)	Multi-Operator 4G/5G	Up to 100% 5G + 3G/4G (LAA) + COTS with LAA User Power (20%)	
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Authority and Safety		
4) What authority is available, specific to the City regarding safety and high frequency waves regarding the deployment of 5G? (Fields)	<p><u>City Council Discussion</u></p> <p>Councilmember Fields asked what assurance the City has regarding 5G deployment specific to safety and high frequency waves. He asked staff to confirm whether the City has a choice, the authority, or opportunity to do anything more in restricting 5G's deployment.</p> <p><u>Staff Response/Recommendation</u></p> <p>The regulations set in place by the FCC restrict the City's ability to expand on or limit deployment based on radio frequency emissions. The maximum frequency level cannot be regulated below that which is mandated by the FCC ruling, provided below.</p> <p>At the Council's April 2, 2019 meeting, staff described that when small cell facilities are proposed in locations that may be of concern, such as near childcare centers or close to residential buildings, the City may require submittal of a NIER (Nonionizing Electromagnetic Radiation) Report. The report would provide confirmation that ensures the placement of a facility meets FCC limitations.</p> <p>47 USC 332(c)(7)(B)(iv) regulates the City's authority, preempting it from going beyond the FCC limitations:</p> <ul style="list-style-type: none">• (iv) No State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions.	Open 4/3