**Wireless Communications Bylaw
Status Summary 10/24/22**

This draft includes two Use Tables for deliberation, Determination of Needs as distributed last week, incorporates all content (mostly in Application Criteria and Design Criteria) from Specifications and Design Manual as discussed/streamlined with DM, edits as discussed/streamlined with DM throughout, including see Decision section, and some suggested word changes from KMV. 10/20/22 changes not tracked. 10/21/22 changes tracked. Document is printed for packet with changes accepted for readability.

# **8.18 Wireless Communications Facilities**

## **8.18.1 Purpose**

The purpose of this bylaw is to establish general guidelines for the locating of wireless communications facilities, including without limitation~~,~~ wireless communication towers, antennas, ground equipment, and related accessory structures. The intent of this bylaw is to:

1. Accommodate the growing need and demand for wireless communications services.
2. Establish review procedures to ensure that applications for communications facilities are reviewed for compliance with federal, state, and local regulations and acted upon within a reasonable period of time as required by applicable state and federal regulations.
3. Minimize the impacts of wireless communications facilities on surrounding land uses by establishing standards for location, and compatibility.
4. Encourage the placement of wireless communications facilities on existing structures thereby minimizing new visual, aesthetic, and public safety impacts, or effects upon the natural environment and wildlife.
5. Respond to the policies embodied in the Telecommunications Act of 1996 and subsequent FCC regulation of wireless facility placement in such a manner as not to unreasonably discriminate between providers of functionally equivalent personal wireless services or to prohibit or have the effect of prohibiting personal wireless services.
6. Protect the character of the Town while meeting the needs of its citizens to enjoy the benefits of wireless communications services.

## **8.18.2 Application and Permits Required**

To install, modify or operate a wireless communications facility on property other than a public way shall require a Special Permit (BA) (ZBL 3.4) or Administrative Approval (AA). Completion of a Lenox Wireless Communications Facility Application form available from the Land Use department is required for each wireless communications facility being requested. Application processing fees for wireless communications facilities shall be paid at the time of application in accordance with the Town of Lenox Fee Schedule.

**Use Table**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Zoning  District*** | ***R-1A*** | ***R-3*** | ***R-15*** | ***R-30*** | ***C*** | ***C-1A*** | ***C-3A*** | ***I*** |
|  **Wireless Communication Facility** | BA  | BA  | BA  | BA  | BA  | BA  | BA  | BA  |
|  **Eligibility Facility Request per 47 USC §1455**   |  AA  |  AA  |  AA  |  AA  |  AA  |  AA  |  AA  |  AA  |

AA = Administrative Approval; BA = Special Permit; N = Not Permitted

***OR / FOR DISCUSSION 10/25:***

**Use Table**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Zoning**  **District**   |  R-1A  |  R-3  |  R-15  |  R-30  |  C  |  C-1A  |  C-3A  |  I  |
| **Collocation** **(parse by concealed/non-c?)**  |   |   |   |   |   |   |   |   |
|  **New Tower**  **(parse by concealed/non-c)**   |   |   |   |   |   |   |   |   |
|  **Small Wireless Facilities**  |   |   |   |   |   |   |   |   |
|  **Substantial Changes and** **tower replacement/ upgrades more than 10% taller than the original**   |   |   |   |   |   |   |   |   |
|  **Eligibility Facility Request per 47 USC §1455**   |  AA  |  AA  |  AA  |  AA  |  AA  |  AA  |  AA  |  AA  |

AA = Administrative Approval; BA = Special Permit; N = Not Permitted

## **8.18.3 Determination of Need**

1. Demonstration of Need: All applications for special permits for wireless communications facilities (except eligible facilities requests) shall be accompanied by a demonstration of the need for the proposed facility. Demonstrations of need shall include at a minimum an evaluation of existing coverage and the combined effect of existing and proposed coverage, including coverage maps and an accompanying narrative explaining the maps and the need. When the stated need for the proposed facility includes claims regarding network capacity, applicants shall include information (such as network statistics) demonstrating the capacity need quantitatively.
2. Determination of Alternatives: All applications for special permits for wireless communications facilities (except eligible facilities requests) shall be accompanied by a demonstration of a lack of less impactful solutions composed of one or more alternative facilities.
3. Findings: To approve such applications, among other findings, the Zoning Board shall find that there is a demonstrated need for the proposed facility that cannot be addressed with a solution composed of one or more alternative facilities that have a lesser impact on the community.
4. Applicant Assertion of Federal Rights: If the application involves a project that the applicant asserts federal rights over, the applicant shall provide a brief outline of the relevant law and the applicant’s standing, and include such substantial evidence as is necessary to demonstrate applicant’s claim. Examples of such rights are: claims of effective prohibition or discrimination if denied, or assertions that a design qualifies as a Small Wireless Facility or an Eligible Facilities Request.

## **8.18.4 Facility Impacts**

### **18.18.4(a) Qualitative Criteria**

The selection of location and design of WCFs shall conform to the following qualitative criteria:

Review criterion: The Zoning Board~~,~~ in its review~~,~~ shall engage*(discuss/negotiate/consider?)* with the applicant to assess the following preferred qualitative factors, each of which shall be given substantial consideration in deliberations to approve the proposal, or to examine alternative sites.

Application submission criterion~~:~~ The applicant shall provide substantial evidence why and how they meet or cannot meet each of these objectives and define (defend?) why and how their proposal is demonstrably better:

* New Personal Wireless Service Facilities shall not have an undue adverse impact on historic resources, scenic views, residential property values, natural or man-made resources.
* Ideally, a new wireless communications facility shall be located on an existing structure (including an existing tower) in a manner that does not materially increase its impact on the community.
* The preferred location~~s~~ for each new Tower is along commercial and industrial corridors or in suitable municipal locations or other quasi-public sites where ~~both~~ the settings, other structures and intensity of uses already in place are more compatible with the industrial nature of wireless facilities. Remote locations on largely undeveloped areas (*parcels*?) may be acceptable if the result is a new tower that is generally not visible to the public.
* While setback requirements are included in this bylaw, it is preferred that New Towers be located as far from residential lot lines as possible to avoid detrimental visual impacts and adversely affecting property values, and to preserve the privacy of adjoining properties.
* New Towers may be acceptable when they do not diminish the quality of experience of Lenox such as by piercing valuable scenic and historic skylines, or sullying *(unduly compromising/diminishing/interrupting)* the look of traditional land development and use.
* Personal wireless facilities shall be constructed and maintained in compliance with applicable safety and environmental codes and regulations, including without limitation radio frequency energy safety, hazardous materials, noise, building, electrical, and Americans with Disabilities Act.

### **18.18.4(b) Quantitative Criteria**

As a complement to the Qualitative factors and at the discretion of the Zoning Board, new wireless communications facility types shall be considered in accordance with the below preference below.

Where a lower ranked alternative is proposed, the applicant must provide in its application relevant information demonstrating:

1. that diligent efforts were made to adhere to the established hierarchy within the search area, and
* that higher ranked options are not technically feasible, practical, or justified given the location of the proposed wireless communications facility, and/or
1. that the impact of the proposed facility is demonstrably better than any available higher priority solutions.

Location preferences are as follows:

|  |  |
| --- | --- |
| First preference   | Concealed collocation, or Attachment to existing tower (not a substantial change), or   |
| Second preference  | Camouflaged collocation  |
| Third preference   | Collocation (not concealed or camouflaged) except substantial change1 to existing base station or tower   |
| Fourth preference  | Substantial change to existing base station or tower (i.e. not an Eligible Facilities Request)  New camouflaged or concealed tower   |
| Fifth preference  |  New tower   |

In addition to the foregoing, before any New Tower is approved, the applicant must demonstrate that it is not feasible to locate their facility on an existing tower or building. Before a new tower is proposed in a residential district, the applicant must also demonstrate that it is not feasible to locate the facility in other districts or on municipal facilities.

## **8.18.5 Collocations**

Wireless communications facilities may be mounted onto a building or support structure that is not primarily constructed for the purpose of holding wireless communications facilities or as an attachment to an existing tower, subject to the following standards:

1. Antenna Setbacks: An antenna array attached to any structure that is not a tower is exempt from the setback requirements for the zoning district in which the existing structure is located. An antenna array attached to the side of such a structure may extend up to five feet horizontally from the side of the structure, provided that the antenna array does not encroach upon an adjoining parcel.
2. Height extensions: The top of an attached antenna shall not extend more than fifteen (15) feet above the structure other than a tower to which it is attached. Notwithstanding this provision, the height of the antenna shall not extend more than eight (8) feet above the maximum allowed height for such a structure in the zone in which it is located. This requirement (*which – both or the second?)* may be waived to accommodate the height of an architecturally appropriate concealment structure.
3. Stanchion and pole extensions: Additional height may be allowed on power transmission stanchions and utility poles to accommodate the minimum safety separation necessary from electrical lines, as required by the National Electrical Safety Code and the utility provider. For the purposes of classifying an application for the replacement of an existing utility pole, a replacement pole with up to 5 feet greater height above ground (including attachments) is considered a replacement pole and is subject to collocation requirements of this Zoning Bylaw. Replacement utility poles that will be more than 5 feet above ground (including attachments) taller than the pole being replaced will be considered new poles.

## **8.18.6 New Towers**

Mailed Notice to Neighbors. All new towers shall require that mailed notice, meeting the standards of M.G.L. C. 40A, Section 11, be sent to all property owners within 600 feet.

### **8.18.6(a) Height Limitation**

1. New towers shall not exceed the minimum height necessary to provide adequate coverage for the personal wireless service facilities proposed for use on the tower.
2. In working with the applicant to determine approved height, the Zoning Board will consider the following as part of the Special Permit process:
* Balancing test:
* The Personal Wireless Service Facility shall be designed to accommodate multiple users to the maximum extent technologically practicable in order to reduce the number of Personal Wireless Service Facilities that will be required to be located in the Town.
* However, at its discretion, the Zoning Board may reduce the capacity for multiple facilities (typically by a decrease in height or width) if the Board finds that it is preferable to risk the need for a second tower rather than approve one taller facility.
1. The Zoning Board may allow height greater than necessary for the allowable height if such height does not materially increase the impacts of the proposed facility.

**8.18.6(b) Setbacks**

New freestanding towers shall be subject to the setbacks described below:

* 1. The minimum setback distance to the nearest residential property line shall be 250 feet.
* As part of the Special Permit process, the Zoning Board by supermajority vote may reduce this setback to no less than 1.5 times the tower height based on the following findings:
1. This does not materially increase the impact of the proposed tower on its surroundings in comparison to satisfying the full setback, or
2. There is no viable location on any parcel in the subject area from which to provide the necessary service that would comply with the full setback, or
3. This results in a design that is fully compatible with the purpose and intent of the Zoning Bylaws.

	1. Should we have a different waiver possibility for towers less than XX feet?
4. If so, findings to make determination. Start with looking at a/b/c above.
	1. In the C-1A, C-3A, and Industrial Zones *(KMV asks: What about C?),* the minimum setback from parcels in commercial and industrial zones shall equal the height of the new tower.  The Zoning Board may allow a shorter setback if the shorter setback provides adequate safety and aesthetics.

## **8.18.7 Design Criteria for All Wireless Communications Facilities**

1. A Wireless Communications Facility should not significantly impact viewsheds and views from nearby locations and should be architecturally compatible with respect to such views.
2. Monopole tower designs are preferred over lattice and guyed towers..
3. Concealment or camouflage shall be used when appropriate for mitigating visual impacts. For example (and not a recommendation) a faux carillon tower artfully placed on an institutional parcel or a unipole inconspicuously placed near the rear of a lot might provide satisfactory visual mitigation in some situations. Other options that may be proposed for concealment include mimicking a manmade or natural object that is consistent with the surrounding landscape; for example, field light stanchions for athletic and recreational facilities or developed park areas, clock tower for commercially developed areas, fire watch tower or “monopine” evergreen tree native to Berkshire County for rural or undeveloped areas. With respect to “monopine” designs, they are notorious for being poorly executed and being placed in awkward locations. Care should be taken to consider monopine designs only when they are compatible with the dominant points of view of the tower.
4. Landscaping and existing vegetation shall be employed to minimize visual impacts.
5. Antennas, cables, associated equipment and mounting apparatus should be enclosed, concealed, screened, or obscured so that they are not readily apparent to a casual off-site observer, except that a facility may be approved with exposed antennas and associated equipment if concealment or camouflage would not mitigate any visual impacts and no less visually impactful alternative locations or designs are available.
6. Signage: Commercial messages shall not be displayed on any WCF. Required noncommercial signage shall be restricted to FCC Antenna Structure Registration Number (when required), information about the facility owner/operator, and any additional security and/or safety signs as applicable.
7. Lighting: Lighting shall be prohibited on all WCFs unless required by the Federal Aviation Administration (FAA). Applicants shall demonstrate efforts to avoid FAA lighting requirements, such as reduced tower height or alternative locations. If lighting is required, night lighting shall be red and employ luminaires with the lowest practicable beamspread toward the earth.
8. Noise: Sound levels contributed by facility operations including generators shall not exceed 40 dBA at the property lines of the parcel containing the wireless communications facility and operations when no generator is running shall not exceed 30 dBA at said property lines. Emergency generators are permitted and are exempt from noise requirements during emergencies. Routine generator tests shall be conducted between 8 AM and 5 PM on business days except holidays.
9. Equipment Compound and Cabinets: When practicable, equipment cabinets should be installed inside existing structures. If installed outdoors, equipment should not be visible to the public and neighbors or be screened behind an architecturally appropriate enclosure., behind a screen on a rooftop, or on the ground with landscape screening as required below. Equipment compounds shall not be used for storage. Equipment compounds shall be subject to the setback requirements of their underlying zone.
10. Parking: WCFs shall include at least one parking space for personnel accessing the facilities in addition to any parking minimums for other uses on the parcel

##  **Eligible Facilities Request**

1. The Zoning Board of Appeals is the Administrative Approval Granting Authority and shall grant Administrative Approval of an Eligible Facilities Request. Applicants with Eligible Facilities Requests shall submit application materials and undergo a review process that shall be conducted in a manner consistent with federal limitations. The Zoning Board shall verify that the application for an Eligible Facilities Request is bonafide and may apply conditions that are not otherwise preempted by the FCC.
2. The design of an Eligible Facilities Request shall maintain the appearance intended by the original facility and shall comply with any conditions of prior approvals for wireless facilities on the site, including, but not limited to, color, screening, landscaping, camouflage, concealment techniques, mounting configuration, or architectural treatment.
3. *​Administrative Approval. Do we want to say anything more about how this is administered? Subject to abutter notification or not? Granted by majority vote? Board: Definition of what comprises and EFR in prior versions if you want to look at.*

## **Tower Replacement**

1. Existing towers may be replaced pursuant to this      Section X.X, provided that the replacement accomplishes a minimum of one of the following:
	1. Increases the number of wireless service providers the tower can support or otherwise materially improves the provision of wireless service in Lenox;
	2. Contributes to the reduction of the proliferation of new towers in Lenox;
	3. Replaces an existing tower with a tower with less impact on the town, such as reduced height or improved appearance (by camouflage or concealment).
2. Landscaping: At the time of replacement or upgrade, the tower equipment compound shall be brought into compliance with any applicable landscaping requirements as required by the Wireless Communications Facilities Specification and Design Manual.
3. Setbacks: A replacement of an existing tower shall not be required to meet new setback standards so long as the new tower and its equipment compound do not increase the existing nonconformity.

## **18.8.10 Application**

a. All Applications shall include:

1. Plans: One set of plans at 24” x 36” and 5 sets of plans at 11” x 17” and an electronic original (not scanned) of plans that constitute a customary package of “Zoning Drawings,” including, without limitation, locus information, area parcel plans showing abutting lots and a 300 and 600 foot radius, details including property line and other relevant setbacks, proposed easements, utilities, driveways, site improvements, etc; and detailed site plans as necessary to illustrate site development, wetland/river buffers, landscaping, tree cover, etc; elevation drawings and details about the ground equipment and the tower-mounted equipment; any other information the applicant or the Town determines is appropriate for showing the proposed development.

1. Photosimulations: Applicants shall provide photosimulations with their application to demonstrate visual impacts. Photos should have the field of view of a 50-55 mm focal length lens with respect to a standard full-frame 35 mm camera. Photosimulations should be provided showing (a) the impact on viewsheds and neighboring uses as described above and (b) how the design, including concealment, landscaping, topography, existing cover, etc. contribute to minimizing visual impacts. Photos shall be taken from representative locations where the tower is or is expected to be visible or partially visible in any season. Before the photos are taken, applicants shall consult with the Land Use Department to identify sensitive locations that should be added to the photographer’s list of locations to photograph. To produce photosimulations for new towers, applicants shall conduct such field testing (such as a balloon/crane test) at their convenience prior to filing the application and notify the Town of the scheduled date and time of such testing.
2. Design: Applicant’s zoning drawings shall include details of the concealment or camouflage design.
3. Radio Frequency Emissions Analysis: Applicant shall provide an analysis of radio frequency energy emissions for the proposed and potentially collocating WCFs based on the methods outlined in FCC Office of Engineering and Technology Bulletin 65, demonstrating compliance with applicable safety standards.
4. Noise Analysis: Applicant shall provide a noise analysis of the proposed facility prepared by a qualified professional, demonstrating compliance with the Commonwealth’s Department of Environmental Protection regulation of noise and with any noise restrictions of the Town of Lenox.
5. Applicant shall provide a narrative and additional exhibits as necessary to demonstrate fulfillment of and compliance with the criteria outlined in all sections of this bylaw 8.18 including, as per the type of application, Sections:

* 8.18.1 Purpose
* 8.18.2 Application and Permits Required
* 8.18.3 Determination of Need
* 8.18.4 Facility Impacts
* 8.18.5 Collocations
* 8.18.6 New Towers
* 8.18.7 Design Criteria
* 8.18.8 Eligible Facilities Request
* 8.18.9 Tower Replacement
1. A report and supporting technical data shall be submitted, demonstrating the following:

1. All potential antenna attachments, collocations, and alternative antenna configurations on existing elevated structures, including all usable utility distribution towers within the proposed service area have been examined, and found unacceptable.

1. A technical report by a qualified professional, which qualifications shall be included, regarding service gaps, service expansions, and/or system capacity or other evidence of need for the Wireless Communications Facility(Section 8.18.3 Determination of Need, and accompanying exhibits including coverage and other maps, graphics, charts and calculations to support the claims in the report.
2. The application shall include a written narrative and exhibits describing how the proposed facility’s coverage or capacity benefits cannot be substantially achieved by the use of one or more of any higher ranked alternatives (Section 8.18.3 Determination of Need) and alternatives ranking section (Section 8.18.4 Facility Impacts).
3. No existing towers or WCFs located within the geographic area meet the applicant’s engineering requirements without increasing the height of the existing tower or structure or otherwise creating a greater visual impact, and why.

1. Existing towers cannot physically accommodate the applicant’s proposed wireless communications facilities and related equipment, and the existing facility cannot be sufficiently improved.
2. Other limiting factors that render existing wireless communications facilities unsuitable.
3. Demonstration of satisfaction of FAA hazard to air navigation requirements, including as applicable, a professional technical evaluation indicating FAA requires no notification and no lighting will be required, or an FAA Determination of No Hazard.
4. Balloon test for new Towers.
5. During the hearing and to be considered part of the application, applications for new towers the Zoning Board shall require the applicant to conduct a publicly noticed balloon/crane test. If the proposed site is accessible by crane, a crane test is preferred. The applicant shall arrange to raise a red or orange colored balloon no less than three (3) feet in diameter at the maximum height of the proposed tower, and within twenty-five (25) horizontal feet of the center of the proposed tower. A second balloon 20 feet below the first (or at some other height requested by the town) shall also be raised.
6. Notice to abutting property owners shall be pursuant to subsection #### above Is this necessary? *They will have been notified of hearing, where this date will be determined as part of the application review process.*
7. A three-foot by five-foot (3’ by 5’) sign with lettering no less than three (3) inches high stating the date, time, and location, including alternative date, time and location, of the balloon test shall be advertised in a locally distributed paper by the applicant at least seven (7) but no more than fourteen (14) days in advance of the test date and applicant shall provide notice to neighbors of the balloon test date and alternate date.
8. The balloon shall be flown for at least four (4) consecutive hours during daylight hours on the date chosen. The applicant shall record the weather, including wind speed and direction during the balloon test. Photographs taken of the balloon test shall be timed to capture the balloon at its apex during wind-induced motion. The height of the balloon shall be measured, and tether length shall not be relied upon to determine height.
9. Re-advertisement will not be required if inclement weather occurs.

8.18.10(b) Eligible Facilities Requests

Eligible Facilities Requests shall be accompanied by evidence demonstrating eligibility under federal law, addressing all points in the federal definition including such information, exhibits and calculations necessary to support the claim and demonstrating compliance with applicable state and local safety codes. Applications for Eligible Facilities Requests are not required submit any other documentation, including but not limited to documentation intended to illustrate the need for such wireless facilities or to justify the business decision to modify such wireless facilities.

## **8.18.11 Employment of Outside Consultants**

Pursuant to MGL Ch 44 Sec 53g, the Zoning Board may engage outside consultants at the expense of the applicant to assist the Zoning Board’s review of an application under this Wireless Communications Facilities Bylaw.

## **8.18.12 Decision**

Special Permits: In addition to the findings required by the Bylaw in Section 3.4, the Board of Appeals shall, in consultation with the Independent Consultant(s), make all of the applicable findings before granting the Special Permit as follows:

###  **8.18.12(a) Special Permit Findings**

1. The Zoning Board of Appeals shall evaluate the application in light of Section 3.4 of the Zoning Bylaw and make findings and apply conditions as appropriate.
2. The Board also shall make findings that:

1. The application meets all the Application Criteria 8.18.10 or is granted waivers to specific application requirements.
2. The applicant has/has not met the burden of demonstrating the need for the proposed Wireless Communication Facility Section 8.18.3.
3. The application satisfies the Qualitative and Quantitative Criteria for Facility Impacts Section 8.18.4
4. The application meets the performance criteria for Collocation (8.18.5), New Tower (8.18.6), or Tower Replacement (8.18.9) as applicable.
5. The application is an acceptable Design and meets Design Criteria 8.18.7.
6. The application and any waivers granted are consistent with the Purpose 8.18.1 of this Bylaw.

 **8.18.12(b) Administrative Approval / Eligible Facilities Requests Finding.**

Eligible Facilities Requests 8.18.8 shall be granted Administrative Approval consistent with findings based on requirements and application in this bylaw 8.18.

## **8.18.13 Post Construction RFR Study**

Any time after the installation of an approved wireless communications facility, the Town may require operators of such facilities to demonstrate compliance with FCC regulations regarding the safety of all relevant radio frequency emissions from the site (47 CFR 1.1310). As appropriate to the situation, such demonstrations of compliance may require either the conduct of a a field survey of emissions and/or by production of calculations consistent with FCC OET Bulletin 65, as directed by the Town. The Town may require the operator(s) to reimburse the Town for such analysis independently commissioned by the Town. In the event the results demonstrate that the wireless communications facility is not in compliance with the applicable rules, the applicant shall immediately bring the facility into compliance, including by cessation of operations if necessary prior to implementing changes.

## **8.18.14 Abandonment (Discontinued Use)**

1. Towers, wireless communications facilities, antennas, and the equipment compound shall be removed at the owner’s expense within 180 days of cessation of use.
2. An owner wishing to extend the time for removal or reactivation shall submit an application stating the reason for such extension. The Town may extend the time for removal or reactivation up to 60 additional days upon a showing of good cause. If the tower or antenna is not removed within this time, the Town may give notice that it will contract for removal within 30 days following written notice to the owner. Thereafter, the Town may cause removal of the tower with costs being borne by the owner.
3. Upon removal of the tower, wireless communications facility, antenna, and equipment compound, the development area shall be returned to its natural state and topography and vegetation consistent with the natural surroundings or consistent with the current uses of the surrounding or adjacent land at the time of removal. At the Town’s discretion, the foundation may be abandoned in place if reduced to below finished grade.
4. All applicants shall, upon grant of Administrative Approval or a Special Permit, furnish a performance bond or irrevocable letter of credit naming Town of Lenox as beneficiary in the sum of $50,000.00 (“Performance Bond) which shall state, inter alia, that it is for the purpose of assuring the removal of the permitted wireless communications facility in the case of abandonment as contemplated herein.

## **8.18.15 Exempt Facilities**

The following are exempt from the standards for wireless communication facilities notwithstanding any other provisions:

1. Satellite earth stations used for the transmission or reception of wireless communications signals with satellites that are one (1) meter (39.37 inches) or less in diameter in all residential zones and two (2) meters or less in all other zones.
2. A temporary wireless communications facility, upon the declaration of a state of emergency by federal, state, or local government, and a written determination of public necessity by the Town designee; except that such facility must comply with all federal and state requirements. No communications facility shall be exempt from the provisions of this Section beyond the duration of the state of emergency.
3. A government-owned wireless communications facility erected for the purposes of providing communications for public health and safety.
4. A temporary wireless communications facility for the purposes of providing coverage of a special event, and subject to federal and state requirements. Said communications facility may be exempt from the provisions of this Section up to one week before and after the duration of the special event*. Q: Who would oversee such a request?*
5. Amateur radio towers solely used for licensed amateur services up to 70 feet in height, or at such additional height as approved by informal application to the Zoning Board of Appeals.

## **8.18.16 Definitions**

The following definitions are used exclusively in the Wireless Communications Bylaw~~:~~

***Antenna***– a device consisting of exposed elements or of an enclosure containing one or more elements that transmits and/or receives electromagnetic radio frequency signals.  Two or more antennas operated by one carrier/owner at one site constitute an antenna array. In context, a single enclosure that contains multiple antenna elements connected to multiple electrical ports that provide for any of the following is considered an antenna herein: multiple frequency bands, multiple input/multiple output arrays, transmit/receive isolation, polarization and space diversity.

***Camouflaged (facility/antennas)*** *–* the use of materials added to an installation, including when applicable added to existing architecture, to render a facility or antennas less noticeable.

***Collocation***- to install a Wireless Communications Facility on an existing structure, including but not limited to an existing tower, building, or other structure (such as water or fire tower, pole, etc.).

***Concealed (facility, antennas)*** - a wireless communications facility or portion thereof that is designed in a manner that it is not visible to the public, typically through the use of radio frequency transparent materials integrated with existing architecture; any Tower that is designed to conceal the antennas is considered a concealment.

***Eligible Facilities Request –*** an application for a type of modification to an existing approved Wireless Communications Facility as defined in 47 CFR 1.6100.

***FCC***- the Federal Communications Commission of the United States.

***Person***- an individual, corporation, limited liability company, partnership, association, trust, or other entity or organization.

***Substantial change*** ~~--~~– a type of modification to an existing approved Wireless Communications Facility as defined in 47 CFR 1.6100

***Tower***- A~~ny~~ structure constructed on the ground for the sole or primary purpose of supporting antennas and their associated equipment.

***Wireless Communications Facility (WCF)***– an installation of equipment and utilities for the provision of personal wireless services to link remote user equipment to a communications network,

***Personal wireless services***– personal wireless services as defined in the National Wireless Telecommunications Policy, 47 U.S.C. 332(c): “commercial mobile services, unlicensed wireless services, and common carrier wireless exchange access services.” Note: This covers telecommunications services offered to the public or a subset thereof using a network of base stations to link remote subscribers to the telecommunications network.