

September 18, 2020

City of Olympia
Community Planning & Development
P.O. Box 1967
Olympia, WA 98507

RE: Thurston County 911 at Dispatch Main

This cover letter is provided regarding the Pre-Submission Conference for Wireless Communications Permit requested by Thurston County 911 (TCOMM911) at 2703 Pacific Ave. SE., Olympia, WA 98501, which is the TCOMM Dispatch Center.

TCOMM911 is a project that will upgrade the existing, aging Thurston County emergency system, regarding the 911 system to include enhanced communications and coordination with/between emergency first responders – including police, fire, and emergency medical personnel. TCOMM911 is building a modern system for the growing community of Thurston County, that will provide coverage and reliability. The goal is to make it easier for emergency first responders to do their essential work.

For your review, application packet materials include the following:

- Site Plans
- Vicinity Map
- Pre-Submission Conference Checklist
- Project Calculations

The attached plans reflect the proposed TCOMM911 – Emergency Wireless Telecom Facility co-located on an existing 180' self-support tower at parcel #09840020000 in the City of Olympia on Industrial zoned property. The proposed equipment includes the addition of (5) Microwave Antenna on an existing tower. Antennas shall range in height from 150', 145', 131', 130' & 126' RAD centers. Microwave antennas shall require cables to connect with ground equipment in shelter. Proposed coaxial cabling shall route from the existing shelter via pipe mounted ice bridge then sweep up NW leg of tower vertically to antennas.

In addition, TCOMM911 proposes a 50kW diesel fueled generator on a concrete pad within an existing secure fenced lease area. The 50kW generator with belly tank is needed for emergency back-up power in the event of an outage and shall be anchored to a concrete slab on grade. The proposed generator shall meet all noise, storage, and secondary containment requirements of the City of Olympia code.

In addition, TCOMM needs to upgrade the power service to the existing equipment shelter by either pulling more power from the Dispatch building or from a transformer on the property to meet the electrical service demand.

The existing TCOMM owned WCF on Thurston County owned land is in the same compound as the Thurston County Emergency Radio Network Office and measures 2.63 acres. The parcel is zoned High Density Corridor 4 (HD C-4). Site access is available by turning off Pacific Ave. SE., then through a secure fenced parking area then private driveway to compound. No additional parking or access driveways are proposed.

In summary, TCOMM911 believes the Wireless Emergency Communication Facility Co-location Justification findings include the following considerations:

1. The project is compatible with the use of the property and surrounding properties and is needed to advance the 911 and Emergency Communications service levels needed to meet demand for the TCOMM911 Network.
2. The proposed WCF modification will not increase the height of the tower or negatively impact the surrounding area visually and proposed equipment shall of non-reflective material like the existing equipment on the tower.
3. The proposal complies with all applicable Federal, State, and Local laws and ordinances including FAA and FCC.
4. The proposal does not include any use or activity incompatible use of an airport or airfield in the area.
5. The proposal meets the City of Olympia Development Standards and Codes; all applicable local, state, and federal laws and ordinances.

In closing, TCOMM911 needs the proposed facility at its Dispatch Center to provide adequate wireless emergency communication services the area of Olympia and to the entire network in Thurston County. Please feel free to call me at 253-218-9017 if you have any questions or need more information.

Sincerely,



Rick Cardoza

Senior Project Manager

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The Civil Engineering Group

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