

PROJECT NARRATIVE

Applicant: T-Mobile

Project Name: SE02629A Mercer Island Water Tank Anchor

Project Address: 4350 88th Ave SE Mercer Island, WA 98040

Parcel Number: 4457300325

Application Type: Wireless Communications Facility (Eligible Facilities under 6409) and Building Permit *via FTP site*

WCF Submittal Package:

- Development Application
- Wireless Communications Facility under 6409 – Submittal Requirements
- Project Narrative for Eligible Facilities
- Eligible Facilities Request Letter
- Plan Set (including elevation drawings)
- Stationary Storage Compliance Letter
- NIER
- T-Mobile Letter of Authorization
- Lease Agreement
- Request for concurrent review form
- Fees to be upon receipt of invoice

Items not required based on T-Mobile's scope of work:

- Title Report – N/A – See existing Lease Agreement
- Critical Areas Study – N/A – existing wireless facility not located in critical area
- Arborist Report – N/A – existing wireless facility. No landscaping or ground disturbance proposed under this scope of work
- SEPA Checklist – N/A – existing wireless facility. No ground disturbance proposed
- Coverage Maps – N/A – existing wireless facility

Building Permit Submittal Package:

- Permit Application
- Plan Set
- Structural Calculations
- Mount Analysis
- Fees to be paid upon receipt of invoice

Project Scope of Work:

T-Mobile is submitting an application to make modifications to upgrade technology at their existing minor telecommunication facility located at 4350 88th Ave SE. The scope of work includes the replacement of the existing mounts, the addition of (3) antennas, the relocation of (3) antennas, and relocation ancillary equipment on the existing tower. Additionally, T-Mobile will be replacing the existing equipment cabinets inside of their existing lease area. No additional cabinets are proposed.

Batteries: The final maximum quantity of batteries in the battery cabinet will total 36.48 kWh (see statement of battery compliance/stationary battery worksheet). As this is below the 70-kWh threshold listed in table 1207.1.1 of the 2021 IFC, this project is not required to be in compliance with chapter 1207.1 of the IFC. Additionally, each battery contains 2.34 gallons of electrolyte for a total electrolyte volume of 34.44 gallons. This is below the historic 50 gallon electrolyte threshold.

Existing Facility Description

T-Mobile's proposal is a minor modification to the existing minor communications facility located in zone R-9.6. The proposed changes fit within the eligible facilities modifications allowed per Section 6409. The existing T-Mobile facility is located on an existing tower located on property owned by the City of Mercer Island. The antennas are located at the $\pm 84'$ centerline of the tower. The existing equipment cabinets are located at the base of the tower.

Eligible Facilities Request Description

This project includes the replacement of existing transmission equipment. No increase in height or projection are proposed under this scope of work.

There will be no significant change in visual appearance of the facility as a result of this project.

This project does not require any excavation or ground disturbance.

The previous Land Use and Building Permits have been provided for reference.

As demonstrated above and in the submitted plan set, T-Mobile's proposed site modification meets the criteria to qualify as an eligible facilities request and does not involve a substantial change to the facility.