Water supply modeling is necessary for larger projects to determine the impact of the project’s water demand on the water supply system. Water supply modeling will be performed by a consulting engineer based on the most recent version of the Tualatin Water System Master Plan.

Due to possible impacts to the water supply system, the following projects in Tualatin require hydraulic modeling based on the size and type of the project and projected water use for the finished project. The outcome of modeling could require offsite improvements to the water supply system in order to ensure that adequate water supply is available to serve the project and reduce impacts to the overall system.

**Hydraulic modeling of the water supply system is required for the following project type/sizes/demand:**

|  |  |  |
| --- | --- | --- |
| **Project Type** | **Criteria** | **Permit Fee** |
| **Commercial or Industrial Building** | Building floor area greater than 48,300 square feet  **or**  Anticipated daily water demand greater than 870 gallons per acre per day | $ 300  per building |
| **Residential development** | More than 49 dwelling units | $ 1,000 |
| **Multi-family development** | More than 49 dwelling units  **or**  a combined building floor area greater than 48,300 square feet | $ 300  per building |

**Please complete this form and submit the form and required fee (if applicable) with your land-use application (architectural review, subdivision, etc.).**

Commercial or Industrial Development

* Building floor area **+/-** **424,000** **square feet**
* Anticipated water demand (if known) **+/- 1,055,286** **gallons per day**
* Described planned building use **(1) office, (1) laboratory, (1) central utilities building.**

Residential Development

* Number of dwelling units or single family home lots \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multi-Family Residential Development

* Number of dwelling units\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Building floor area (sum of all building) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Number of multi-family buildings\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Permit fee required based on the information provided above: $900**

* If no fee is required, enter $0.

NOTE: Water Supply Modeling does not replace the requirement for fire hydrant flow testing. Flow testing of fire hydrants will still be required to verify adequate fire flow of finished system