

Appendix F



Large Water Users Guide

I. Large Water Users Guide

- (A) The purpose of this Large Water Users Guide is to develop criteria for evaluating allowable commercial and industrial flow rates within the City of Aurora to ensure a sustainable water supply system for Aurora residents and businesses far into the future. Volumetric use and non-recoverable use are the basis for the evaluation criteria.

Higher than target water use places stressors on the utility infrastructure, such as water purification facilities and the transmission and distribution systems. Furthermore, non-recoverable use requires purchase of additional water rights to replenish loss.

A matrix has been developed combining the two criteria (Table 1). Volumetric use is referenced in units of average gallons per acre per day (avg gal/acre/day) and non-recoverable use is referenced as a percentage (%) of volumetric water use.

- **Uses in Green**
 - Low volumetric use and low non-recoverable.
 - These uses will be allowed.

- **Uses in Yellow**
 - Low volumetric use and moderate non-recoverable.
 - Average volumetric use and low non-recoverable.
 - These uses will be allowed, however are recognized as placing additional stress to the utility.

- **Uses in Orange**
 - Low volumetric use and high non-recoverable.
 - High volumetric use and low non-recoverable.
 - These uses will be allowed, however are recognized as placing even more stress to the utility than the Yellow uses.
 - Water efficiency methodologies highly encouraged.

- **Uses in Red**
 - These uses will be allowed pending further evaluation and by special exemption.
 - Criteria for evaluating exemptions will, at a minimum, consider the following characteristics:
 - Number of employees / high value jobs
 - Capital investment to the City
 - Diversity in employer base
 - A nationally recognized employer who “Puts Aurora on the map”
 - Support of an existing employment center

- **Uses in Dark Red**

- These uses will not be allowed in the City as they pose significant service challenges to the long-term sustainability of Aurora’s system.
- Aurora Water will be open to conversations with perspective developers where water sustainability measures may migrate the applicants into an allowable category.

Table 1. Water Volume and Non-Recoverable Use Matrix

		Non-Recoverable Use			
		≤25%	26% - 50%	51% - 75%	76% - 100%
Volumetric Use (Avg gal/acre/day)	≤600	Allowed - Low Volumetric Use Low Non-Recoverable	Allowed - Low Volumetric Use Low Non-Recoverable	Allowed - Low Volumetric Use/ Moderate Non-Recoverable	Allowed - Low Volumetric Use/ High Non-Recoverable
	601-1,000	Allowed - Low Volumetric Use Low Non-Recoverable	Allowed - Low Volumetric Use Low Non-Recoverable	Allowed - Low Volumetric Use/ Moderate Non-Recoverable	Allowed - Low Volumetric Use/ High Non-Recoverable
	1,001 - 2,000	Allowed - Avg Volumetric Use/ Low Non-Recoverable	Allowed - Avg Volumetric Use/ Low Non-Recoverable	Allowed - Avg Volumetric Use/ Moderate Non-Recoverable	Allowed - Avg Volumetric Use/ High Non-Recoverable
	2,001 - 2,500	Allowed - Avg Volumetric Use/ Low Non-Recoverable	Allowed - Avg Volumetric Use/ Low Non-Recoverable	Allowed - Avg Volumetric Use/ Moderate Non-Recoverable	Allowed Under Exemption Only
	2,501 - 3,000	Allowed - High Volumetric Use/ Low Non-Recoverable	Allowed - High Volumetric Use/ Low Non-Recoverable	Allowed Under Exemption Only	Not Allowed
	3,001 - 3,500	Allowed Under Exemption Only	Allowed Under Exemption Only	Not Allowed	Not Allowed
	3,501+	Allowed Under Exemption Only	Not Allowed	Not Allowed	Not Allowed

(B) An additional consideration for the evaluation of allowable water uses will be the water quality of the wastewater discharge (recoverable portion). High strength wastewater can impact treatment performance, increase operations and maintenance costs, and reduce the recoverability of the water.

Aurora Water may implement additional requirements or enact further limitations based on the anticipated wastewater quality and pollutant characteristics.