

Staff Report
Department of Planning

Fall 2022 Amendment
Carroll County Water and Sewer Master Plan

Re: Westminster Water Chapter and Water Service Areas

This request will amend the 2019 *Carroll County Water and Sewer Master Plan*. The request detailed below, pertain to changes to City of Westminster water chapter and the Projected Water Supply Demands and Projected Capacity table (15).

Request

1. Update the City of Westminster water chapter and Table 15 acknowledging the pilot study for a new water reuse facility, previously the Westminster Water Resource Facility (WWRF), in complete. The new water reuse facility project is continuing to move forward as the City awaits design and permit completion.

Background Information

The pilot study for a new water reuse facility, previously the Westminster Water Resource Recovery Facility (WWRF), is complete. The new water reuse facility project is continuing to move forward as the City awaits design and permit completion. The new water reuse facility project will add 1.0 MGD of capacity over the 10-year plan period (Phase I: 0.500 MGD of added capacity in the Priority Planning 5-year timeframe and Phase II: 0.500 MGD of added capacity in the Future Planning 10- year timeframe). The Westminster Water Service Area Priority Projects table is being amended to add reference to both Phase I and Phase II of this project.

The Projected Water Supply Demands and Projected Capacity Table 15 numbers remain the same, however Footnote No. 11 has been added to reference the new water reuse facility project outlined above. Please be advised, the 2019 Triennial Update listed two City projects in Table 15 that were anticipated to add a total of 1.0 MDG of capacity: 1) Little Pike Creek Intake Priority Planning project that added 0.500 MGD of additional capacity, and 2) Big Pipe Creek Intake/Well Future Planning project that added 0.500 MGD of additional capacity. Since the adoption of the Triennial Update and as reflected in the City's 2019 Fall Amendment to the Water and Sewer Master Plan Westminster, these two projects were removed from Table 15. However, the Table 15 was not revised as part of the City's 2019 Fall Amendment to the Water and Sewer Master Plan leaving the 1.0 MDG of additional capacity throughout the Priority and Future Planning categories.

Agency Comments

The Department of Planning has heard back from two different stakeholders and none of them have had any comment regarding this amendment.

Staff Analysis

This amendment aligns with the City's water reuse program and provides updated information on how the program provides additional capacity for the City.

Staff Recommendation

County staff recommends approval of this amendment. County staff is recommending that the Westminster Planning and Zoning Commission certify this request as consistent with the City of Westminster 2009 Comprehensive Plan.

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Projected Water Supply Demands and Projected Capacity

The following table summarizes projected water demand over the next ten years. It incorporates planned capacity improvements that respond to the demand projections.

Table 15²																		
Projected Water Supply Demands and Planned Capacity																		
Service Area	Present Year						Priority Planning (0-6 Year)						Future Planning (7-10 Year)					
	Res. Pop. Ser.	G P C D	Capacity Million Gal. Daily (MGD)				Res Pop. Ser.	G P C D	Capacity Million Gal. Daily (MGD)				Res. Pop. Ser.	G P C D	Capacity Million Gal. Daily (MGD)			
			Res. Dem.	Oth. Dem.	Tot. Dem	Ex. Cap.			Res. Dem.	Oth. Dem	Tot. Dem.	Pl. Cap.			Res. Dem.	Oth. Dem.	Tot. Dem.	Pl. Cap.
	Westminster ^{8 9 10 11}	29,308	91	2.66	0.396	3.056	4.231	30,392	91	2.761	0.479	3.247	4.731 ¹¹	30,392	91	2.761 ⁹	.554	3.322

⁸ Westminster’s Priority and Future calculations are based on 235 gal per unit for residential demand and 55 gallons/1,000 sf. other demand.

⁹ Westminster does not have any residential properties in the Future Planning Category.

¹⁰ LEF Stone Chapel LLC property has a total demand of 33,420 gpd. The water map for Westminster has the Industrial zoned portion in Existing/Final Planning. The demand is split 10,500 gpd in Existing, 13,752 gpd in Priority and 9,168 gpd in Future.

¹¹ Westminster Water Reuse Facility. Phase I (0-6 Yrs.): engineering & construction complete 0.500 MGD, Phase II (7-10 Yrs.) construction complete & reevaluate water allocation 0.500 MGD.

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