

PER CAPITA CONSUMPTIVE USE REPORT



Per Capita Consumptive Use

Washington County's 2022 per capita consumptive use was **153** gallons per day. This figure represents the **total water consumed** divided by the **total population** divided by **365 days**, as set forth in Utah State Statute.¹

$$\frac{\text{total water consumed}}{(\text{population} \times \text{days of year})}$$

Total Water Consumed

Total water consumed was **12,940,069,468** gallons in 2022. Total water consumed derives from **total water supplied** minus **return flows**.²

Total Water Supplied

The 2022 total water supplied was **17,982,473,868** gallons. Total water supplied includes all metered drinking water³ and metered secondary water delivered to commercial, industrial, institutional, and residential users within the district's service area.⁴ The figure includes data from the district's service area because there are no other community water systems within the county that serve a population of 3,300 or more and for which the district can obtain reliable data for both metered drinking water and metered secondary water.⁵ The district made reasonable efforts to ensure the water data relied on in this report is the same as the data reported by the community water systems to the Division of Water Rights.⁶

Return Flows

The 2022 returns flows were **5,042,404,400** gallons. The figure includes data obtained from the St. George Regional Water Reclamation Facility and the Ash Creek Special Service District regarding water returned to the natural environment from the treatment facilities.⁷



Total Population

The total population was **231,208** in 2022. This figure results from the January 2022 estimate of Washington County’s population by the Utah Population Committee from the Kem C. Gardner Policy Institute, subject to two adjustments. The first adjustment reduced the population by 8.3% to correspond to the district’s service area. The second adjustment multiplied the reduced population figure by 1.282 to reflect the number of secondary residences reported by the Washington County Assessor. The second adjustment was made in compliance with Utah Code, which requires an adjustment based on locally significant effects of a non-permanent population, including a transient but consistently recurring non-resident population associated with secondary residences or visitors.⁸

Historical Consumptive Use

	2018	2019	2020	2021	2022
Total Water Consumed (in gallons)	12,348,304,153	11,932,966,268	13,288,474,985	12,851,719,929	12,940,069,468
Total Population	191,089	207,106	215,027	223,972	231,208
Days	365	365	366	365	365
Gallons per Capita per Day (GPCD)	177	158	169	157	153

Footnotes:

¹ Utah Code § 73-5-8.5; ² Utah Code § 73-5-8.5(1)(j); ³ The district has interpreted drinking water to correspond to potable water for purposes of this analysis.
⁴ Utah Code § 73-5-8.5(7); ⁵ Utah Code § 73-5-8.5(7)(a); ⁶ Utah Code § 73-5-8.5(7)(c); ⁷ Utah Code § 73-5-8.5(6); ⁸ Utah Code § 73-5-8.5(5)