

Instructions for Estimating Residential Gallons Per Capita Day (R-GPCD) in Completing Monthly Urban Water Supplier Report

Beginning October 15, 2014, urban water suppliers must estimate and report the number of gallons of water per person per day used by the residential customers it serves (Residential Gallons per Capita Day or R-GPCD) using the [online reporting tool](#) for submitting monthly water production data.

The following equation is suggested for estimating monthly R-GPCD (urban water suppliers may use another method for calculating monthly R-GPCD, in which case an explanation of the method should be provided in report field entitled "Qualification"):

$$\text{R-GPCD} = [(\text{TMP} * \text{PRU} * \text{C}) / \text{TPS}] / \text{number of days in the month}$$

Where: TMP=Total Monthly Potable Water Production

PRU=Percent Residential Use

C=Unit Conversion Factor

TPS=Total Population Served

Unit Conversion Factors	
If your Total Monthly Potable Water Production (TMP) is in	Use this Unit Conversion Factor (C)
Gallons (G)	1
Million Gallons (MG)	1,000,000
Hundred Cubic Feet (CCF)	748
Acre Feet (AF)	325,851

Urban water suppliers are already required to report monthly all of the variables used in the suggested R-GPCD calculation method. The online reporting tool has been preloaded with Total Population Served (TPS) as provided in your 2010 Urban Water Management Plan or from your most recent Annual Report submitted through the Electronic Annual Reporting (EAR) System. If your Total Population Served (TPS) data is out of date, it should be updated using the Department of Water Resource's [simplified method for estimating service area population](#).

When estimating Percent Residential Use (PRU), we recommend using billing data for the volume of water provided to residential customers from the previous year (for the same reporting month) as a percentage of Total Monthly Potable Water Production (TMP). In cases where billing periods are not based on calendar month, the urban water supplier should use discretion in selecting the most comparable and appropriate billing period. Residential use should also include water provided to multi-family units as well as any water used for residential landscaping.