Office of Assured and Adequate Water Supply
Demand Calculator Instructions

Abbreviations and definitions

af/ac	Acre feet per acre
af/yr	Acre feet per year
AMA	Active Management Area
ext	Exterior
gals	Gallons
GPCD	Gallons per capita per day
Gross acres	The sum of residential, non-residential and right of way acres
HU	Housing units
Demand/HU/YR	Demand per housing unit per year
Net acres	The sum of residential and non-residential acres and does not include right of way acres
int	Interior
no.	Number
PPHU	Persons per housing unit
TMP	Third Management Plan
LWU	Low water use landscape
NWU	No water use (hardscape or unwatered native vegetation)

Conversion factors

1 acre-foot = 325,851 gallons
1 acre = 43,560 square feet

Instructions

Please fill out and print both worksheets and attach to your application.

Worksheet No. 1: PROJECT DEMAND CALCULATOR

Click on the tab below labeled "PROJECT DEMAND CALCULATOR". Please enter information into the blue boxes as applicable. You are not required to enter information if the box does not apply.

1. Enter the AMA in which the proposed project is located. Must be correct acronym as shown, but is not case sensitive.
2. Enter the county in which the proposed project is located. Must be correct spelling, but is not case sensitive.
3. If proposed project is OUTSIDE of an AMA, be sure to enter a county name.

Residential Usage

4. Enter the number of persons per housing unit (PPHU) for single family and multi-family units. The 2000 Census data will be accepted.
5. Enter the number of single family and multi-family housing units (HU or Lots).
6. Enter the average lot size in square feet in cell B29.
7. If the average lot size is greater than 10,000 square feet, enter the number of housing units (HU or lots) greater than 10,000 square feet in the blue box (cell E32) on the line labeled "1/2 low water use".Calculator automatically enters the same number of housing units or lots in Cell E33.

Non-Residential Usage

8. From your plat map or land use plan, break out all non-residential land uses and enter the area of each use in square feet or acres.
9. For elementary school and/or middle school/high school interior use, enter the number of students in the appropriate box. If there are no schools, enter zeros in cells B61 and B62.
10. For golf course demand, it is recommended that you contact the Office of Assured & Adequate Water Supply for assistance.

Distribution Losses and Construction Demand

11. Distribution losses are automatically calculated using a loss factor of 10 percent.
12. Construction demand is automatically calculated at 10,000 gallons per housing unit or per acre of commercial use and is prorated over 100 years to give an annual demand.

A total annual water demand estimate for residential and non-residential land uses will be automatically calculated. Enter this demand estimate on your application form.

13. Print out the completed PROJECT DEMAND CALCULATOR Worksheet and attach to your application.

Worksheet No. 2: PROJECT SITE INFORMATION

Click on the tab below labeled "PROJECT SITE INFORMATION". Enter the requested information in the blue boxes on the PROJECT SITE INFORMATION Worksheet No.2

PLEASE FILL OUT AND PRINT BOTH WORKSHEETS AND ATTACH TO YOUR APPLICATION