



BUILDING DIVISION

WATER BUDGET CALCULATIONS

ACTIVITY NO. BS _____

THIS FORM IS A REQUIRED ELEMENT OF THE PERMIT APPLICATION PACKAGE FOR AFFECTED PROJECTS. WORK IS NOT AUTHORIZED UNTIL THE APPLICATION HAS BEEN APPROVED AND ALL FEES HAVE BEEN PAID.

PROJECT ADDRESS: _____

1. THE MAXIMUM APPLIED WATER ALLOWANCE (MAWA) IS CALCULATED USING THIS EQUATION:

$$MAWA = 22.44 \times LA$$

WHERE: MAWA = Maximum Applied Water Allowance in gallons per year
 22.44 = Equation constant
 LA = Landscaped Area

SHOW CALCULATIONS:

MAWA = _____ GALLONS PER YEAR

2. THE ESTIMATED TOTAL WATER USE (ETWU) IS CALCULATED USING THIS FORMULA:

$$ETWU = (32.05) \left(\frac{PF \times HA}{0.71} \right)$$

WHERE: ETWU = Estimated total water use per year
 32.05 = Equation constant
 PF = Look up Plant Factor for Region 4 from the WUCOLS III Table (www.owue.water.ca.gov/docs/wucols00.pdf).
 For VL (very low) use 0.05, for L (low) use 0.2, for M (moderate) use 0.5, for H (high) use 0.8
 HA = Hydrozone Area (high, medium, and low water use areas) in square feet
 0.71 = Default Minimum Irrigation Efficiency value, (the amount of water beneficially used divided by the amount applied)

HYDROZONE TABLE FOR CALCULATING ETWU (USE ADDITIONAL SHEETS AS NECESSARY)

PLANT NAME	PLANT WATER USE TYPE (LOW, MODERATE, HIGH)	PF = PLANT FACTOR (FROM WUCOLS TABLE)	HA = AREA (SQUARE FEET)	PF X AREA (SQUARE FEET)
			SUM (use in equation)	

SHOW CALCULATIONS:

ETWU: _____ GALLONS PER YEAR

3. THE ETWU MUST BE LESS THAN THE MAWA.

CERTIFICATION

I AGREE TO COMPLY WITH THE WATER BUDGET REQUIREMENTS AND TO APPLY THEM FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION OF THE PROPERTY.

DATE: _____ SIGNATURE OF APPLICANT: _____