



Water Budget Chart

A Water Budget chart is the target amount of water that should be applied during a typical watering season for each water tap. The Water Budget chart shall show the total annual water use, which shall not exceed the average of 15 gallons per square foot for the landscape.

1. Organize the chart by irrigated zones for each tap. If more than one tap is proposed, provide separate chart for each tap and combined total information.
2. Divide the plan into hydrozones, grouping plants with similar water needs together. Check the *City of Greeley Plant List* to determine the appropriate hydrozones for plants in your design. Please note, areas identified as very low hydrozone may only contain plants listed on *Greeley Water Conservation Very Low Hydrozone Plant List*. Additional very low plants may be approved by the discretion of the Water and Sewer Director or designee thereof.
3. Calculate the overall water budget. This can be done using the online excel spreadsheet or paper chart below. To fill out the water budget chart, use the following steps:
 - a. Calculate the area (in square feet) for each hydrozone per location identification per tap.
 - b. Fill the water need column per the following chart:

Hydrozone	Water Need
High	18 gallons/S.F./season
Moderate	14 gallons/S.F./season
Low	9 gallons/S.F./season
Very Low	0.9 gallons/S.F./season

- c. Calculate the annual water use for each type of zone by multiplying the zone's area by the water need.
 - d. Add all the irrigated areas together to determine a total irrigated area for the site.
 - e. Add the annual water use for all the zones together to determine a total annual water use for the site.
 - f. Divide the total annual water use by the total square footage to determine if the overall site will use no more than 15 gallons per square foot per watering season.
 - g. Sum the areas of high hydrozones and divide by designed irrigated areas to determine that the percentage of the landscape in high hydrozone is no greater than 25%.
4. If either of the conditions in items 1. f. and 1.g. are not met, the landscape plan must be redesigned, and water budget must be recalculated.

Water Budget Chart Example

Location ID per Tap	Irrigated Area Calculated (square foot)	Designed Irrigated Area Calculated (percent)	Hydrozone	Water Need Dependent on hydrozone (gallons/square foot)	Annual Water Use (gallons)
A1	3,400	13%	High	18	61,200
A2	3,000	11%	High	18	54,000
A3	15,100	57%	Moderate	14	211,400
A4	1,310	5%	Low	9	11,790
A5	1,200	5%	Very Low	0.9	1,080
A6	2,300	9%	Moderate	14	32,200
Irrigated Area Total	26,310	100%			371,670
Total High Hydrozone	6,400	24%			
Overall Site Use (gal./sq. ft.)	14.1				

