

Tree Canopy Analysis Worksheet

Step 1

Determine whether your project is subject to tree canopy requirements.

	Yes	No
1. This project is located within an Urban Growth Area (UGA).		
<i>If you answered yes above, do one or both of the following statements apply?</i>		
2. This project is a subdivision or development creating four or more units or lots.		
3. This project is located on a property 0.5 acre or larger.		

If answer to question 2 or 3 is *yes*, tree canopy requirements apply.

See [KCC 17.495](#), Tree Canopy, for complete requirements.

Step 2

Identify your zoning and calculate the required tree unit credits.

Land Use Designation	Zones	Tree Units per Acre	Gross Lot Area (acres) x Units/Acre = Required Tree Units
Urban Low Residential	Urban Restricted, Urban Low Residential, Urban Cluster Residential, Greenbelt	20	
Urban Medium Residential	Urban Medium Residential	10	
Urban High Residential	Urban High Residential	10	
Urban Low Intensity Commercial	Urban Village Center, Neighborhood Commercial	15	
Urban High Intensity Commercial	Commercial, Regional Center, Low Intensity Commercial	10	

Step 3

Inventory existing and replacement trees to determine how many tree unit credits they will provide.

Requirements for retained and proposed replacement trees are in [KCC 17.495.040](#) and [KCC 17.495.050](#).

Tree Type	Diameter at Breast Height (DBH)/Size	Tree Unit Credit	Quantity × Credit = Total Units
Existing Tree	1" to <8" DBH	1	
Existing Tree	>8" to 12" DBH	1.5	
Existing Tree	>12" to 18" DBH	2	
Existing Tree	>18" to 24" DBH	3	
Existing Tree	>24" to 36" DBH	4.5	
Existing Tree	>36" DBH	5.5	
Existing Grove (3+ trees >8" DBH)	Grouped	6.5	
Replacement Deciduous Tree	2-inch caliper	1	
Replacement Evergreen Tree	6 feet tall	1	

Step 4

Total tree units required (from [Step 2](#)): _____

Step 5

Total tree units provided (from [Step 3](#)): _____

Step 6

Compare required vs proposed tree units. Describe how you will meet the required tree units (retention, planting, or both).

Step 7

Prepare your tree canopy/landscape plan, according to the requirements in [KCC 17.495.060](#). Include the following:

- Required and provided tree unit calculations (Steps 4 and 5).
- Location and Diameter at Breast Height (must be at least 1") of all retained trees that will be used for credit.
- Location and species of all replacement trees.
- Protective measures during construction for retained trees (e.g., fencing).
- Legal protections after construction for retained and planted trees (e.g., covenant or tract).
- Plan must match site plan scale and clearly label all trees used for credit.