

Street Tree Inventory Dashboard Guide — Getting Started

Indicator Cards:

These display key tree metrics. Indicator cards only update in response to filters and cannot be directly interacted with.

Bar Graph Charts:

These allow for the comparison of top tree counts across various categories, helping to identify trends and patterns. Hover over any single bar chart to view the exact tree count. Use the buttons located beneath the chart to navigate through five different bar chart views.

If needed, click the expand icon in the top-right corner of a chart to view it in full-screen mode.

Start: The dashboard initially displays citywide street tree statistics. Before learning how to apply filters, explore the citywide figures and familiarize yourself with the dashboard's three primary card types: **indicator cards**, **bar charts**, and **pie charts**. **For later:** keep in mind that these same cards will also all automatically update in response to any applied filters.



Pie Charts: These illustrate the proportional breakdown of tree counts across different categories. Hover over a pie slice to see the exact tree count. Use the card buttons beneath some pie charts to explore additional data groupings. *If needed, click the expand icon in the top-right corner of a the pie chart to view it in full-screen mode.*

Street Tree Inventory Dashboard Guide — Filtering using the Top Bar

There are two primary methods for applying filters to the dashboard: using the top menu bar and by interacting with pie chart slices. This page focuses on the **top menu bar** filters. Once you are familiar with both methods, you may combine them to refine your analysis further!

Select a Category to Filter Data:

Use these two drop-down menus to filter the data by Tree Genus or Neighborhood. You may select one or multiple values from each list, or use the search bar within the menu to quickly locate a specific option.

Buttons to switch between tree inventories

Filtering Site Size (ROW / Median)

Site Size	Percentage
Small	22.1%
Medium	44.4%
Large	33.6%

Site Improvement

Site Improvement	Percentage
Improved	85.4%
Underimproved	14.6%

Tree Mature Size

Tree Mature Size	Percentage
Small	25%
Medium	62%
Large	12.9%

Tree Condition

Tree Condition	Percentage
Good	60%
Fair	30.9%
Poor	8.1%
Excellent	1%

Top 10 Tree Types

Tree Type	Count
Norway maple	15,000
red-silver maple hybrid	10,000
Japanese maple	5,000
red maple	5,000
paperbark maple	4,000
bigleaf maple	3,000
sycamore maple	2,000
hedge maple	1,000
Rocky Mountain Glow maple	1,000
maple	1,000

Genera Total: 1

Families Total: 1

Tree Mature Size

Tree Functional Type

Tree Condition

By Species | By Genus | By Family | By Size Class | By Neighborhood

Tree Mature Size | Tree Functional Type

Green reset button in the bottom right corner.

Reminder: Whenever a filter is applied, all indicator cards and graphs on the dashboard will automatically update. To reset the entire dashboard to its initial state (unfiltered citywide statistics), click the green reset button located in the bottom-right corner of the dashboard.

Street Tree Inventory Dashboard Guide — Filtering using Pie Charts

There are two primary methods for applying filters to the dashboard: using the top menu bar and by interacting with pie chart slices. This page focuses on the **pie chart** filters. Once you are familiar with both methods, you may combine them to refine your analysis further!

The dashboard displays various metrics and charts. Annotations explain how to interact with pie charts:

- Clearing filters:** Click anywhere outside the pie chart to clear the filter and reset the pie chart.
- Applying filters:** Click on a pie slice to apply a filter. An active pie chart filter will visually display like this: (indicated by an 'X' over the slice).
- Simultaneous filtering:** You may apply filters from multiple pie charts simultaneously.
- Multiple slices:** Multiple slices within the same pie can be selected to apply more than one filter at a time.
- Optional feature:** Clicking items in a pie chart's legend-list shows or hides them from the pie. However, this action does **not** activate or apply a filter to the rest of the dashboard. This feature can be useful for exploring custom percentage breakdowns. Feel free to experiment with this feature to better understand its effect.

At the bottom right, a green circular reset button is shown.

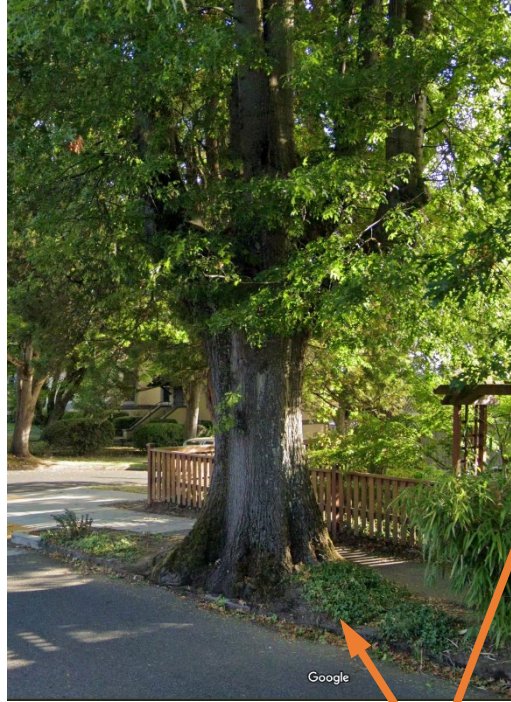
Reminder: Whenever a filter is applied, all indicator cards and graphs on the dashboard will automatically update. To reset the entire dashboard to its initial state (unfiltered citywide statistics), click the green reset button located in the bottom-right corner of the dashboard.

Street Tree Inventory Dashboard Guide — Applying Filters to find Answers

Right Tree in the Right Place: Oak trees (*genus: Quercus*) are typically large and need plenty of space to grow. Let's use the dashboard to see how many are planted in small sites citywide—and discover what other **results** we can learn along the way!

1) To find oaks, we will apply a Quercus genus filter

Results: Across the city, 599 oak trees are planted in small sites.



2) To find which oaks are in small planting sites, we will activate the 'planting site size' pie filter by clicking on the 'small' pie slice

Results: Where are these trees planted? Most are in strips, meaning these oaks are often in narrow and tight planting strips.

Results: The largest oak in a small site has a trunk diameter of 47 inches! Let's try looking up its address on street level imagery to see how it fits into its planting space.

Wow, this oak is indeed huge for such a small planting space!

Results: Here are the most common oak species found in small sites. Do any surprise you?

Results: This pie chart does confirm that most oaks grow into large-form trees when mature.

Results: 37 of these trees are in poor condition. Could their small planting space be a factor?