

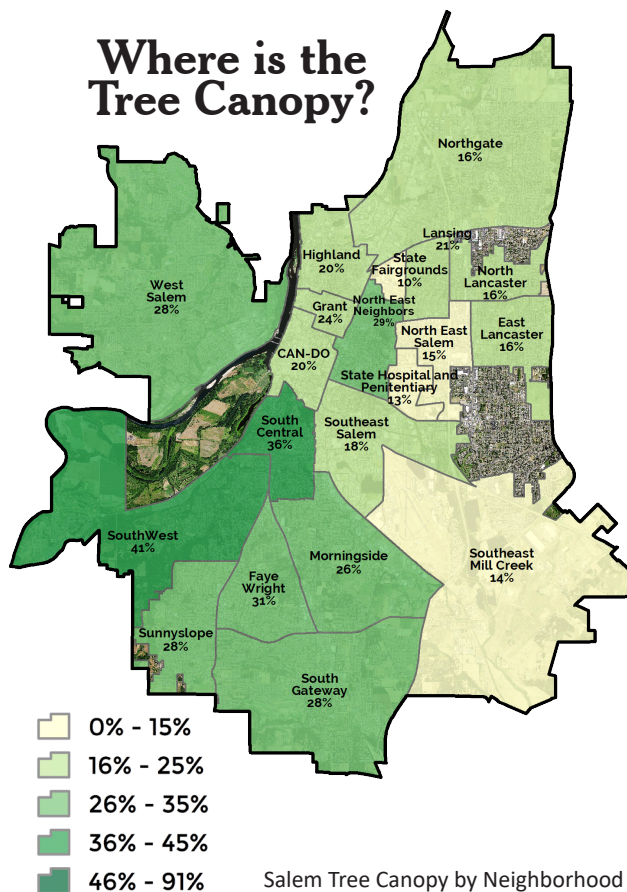
# About Salem's Tree Canopy

The Salem City Council adopted a Community Forestry Strategic Plan in August 2013 to help the City reap the environmental, economic, and social benefits that an urban forest provides.

**The Plan's overarching goals are to preserve and increase the tree canopy within Salem and to educate the public, decision-makers, and City staff about the benefits of trees.**

In addition, City Council set an urban canopy goal of 23 percent to be reached by 2020. Salem succeeded in reaching that goal, and set a new goal of 28 percent to be attained by 2030.

## Where is the Tree Canopy?



# Help Us Grow Salem's Urban Forest

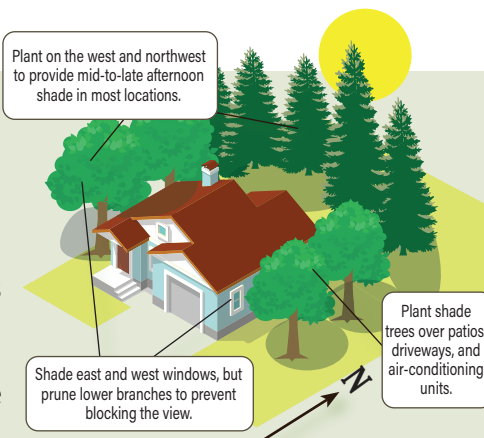
Reports show that 34% of Salem can support tree canopy where currently there is none. **The City is working to plant public spaces, but we need your help to grow the canopy.**

Plant trees in your yard and around your home. Consider strategic planting of trees for energy conservation.

Plant trees in the community! Volunteer at one of our tree-planting events by volunteering with Friends of Trees or becoming a crew leader. Events run November through April.

## Right Plant, Right Place

Choosing the right plant for the right place is important for a plant to thrive. Knowing the site characteristics, such as soil, moisture, and shade, will help you decide what plant will be best suited for the location. The height and width of your location also helps you ensure that the plant will not outgrow its space. To learn more about right plant, right place, go to [www.arboday.org/trees/righttreeandplace](http://www.arboday.org/trees/righttreeandplace).



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# Salem's Community Forest

## Why Trees are Good for Us



# How Trees Benefit our Community



## AIR FILTERS

Salem's trees remove 548,000 pounds of pollutants, a service valued at \$4.2 million annually.



## CARBON CAPTURE & STORAGE

Salem's trees store approximately 423 thousand tons of carbon, valued at \$72.2 million. Salem's tree canopy absorbs and stores approximately 3,000 tons of carbon dioxide, valued at \$1.5 million annually.



## TEMPERATURE CONTROL

Trees shade streams, keeping the water cool for aquatic animals. Trees help cool cities and combat the heat island effect. Shaded surfaces may be 20–45°F (11–25°C) cooler than the peak temperatures of unshaded materials.<sup>(1)</sup>



## STORMWATER QUANTITY /FLOOD CONTROL

On average, an acre of tree canopy absorbs 40 thousand gallons of water and helps to reduce runoff, which is valued at roughly \$350 per acre/per year. Extrapolated citywide, Salem's tree canopy provides \$3.2 million annually in benefits.



## WATER FILTERS

Stormwater runoff is filtered by plant leaves, roots and the soil, reducing the impact of water pollution. Roots also stabilize soil, and reduce the amount of pollutant load and sediment into streams.



## HEALERS/WELLNESS<sup>(2)</sup>

Studies have shown that patients with views of trees out their windows heal faster and with less complications.

Children with ADHD show fewer symptoms when they have access to nature. Exposure to trees and nature aids concentration by reducing mental fatigue.



## WILDLIFE HABITAT

Both alive and dead, trees provide benefits. Wildlife use trees as habitat, for food, shelter, nesting, resting, and mating.



## INCREASED INCOME

Property values are 7 percent to 25 percent higher for houses surrounded by trees and consumers spend up to 13 percent more at shops near green landscapes.<sup>(2)</sup>



Salem's tree canopy provides \$80 million a year in environmental benefit by enhancing air quality, filtering stormwater, and capturing and storing carbon to help combat climate change.