

Benefits of Trees

How TREES Cool Our Cities!



TreePeople

In cities and developed areas, urban structures like buildings, roads, asphalt, and concrete absorb and radiate heat, resulting in urban temperatures that are 1–7°F degrees higher than in undeveloped areas.

This phenomenon is known as the

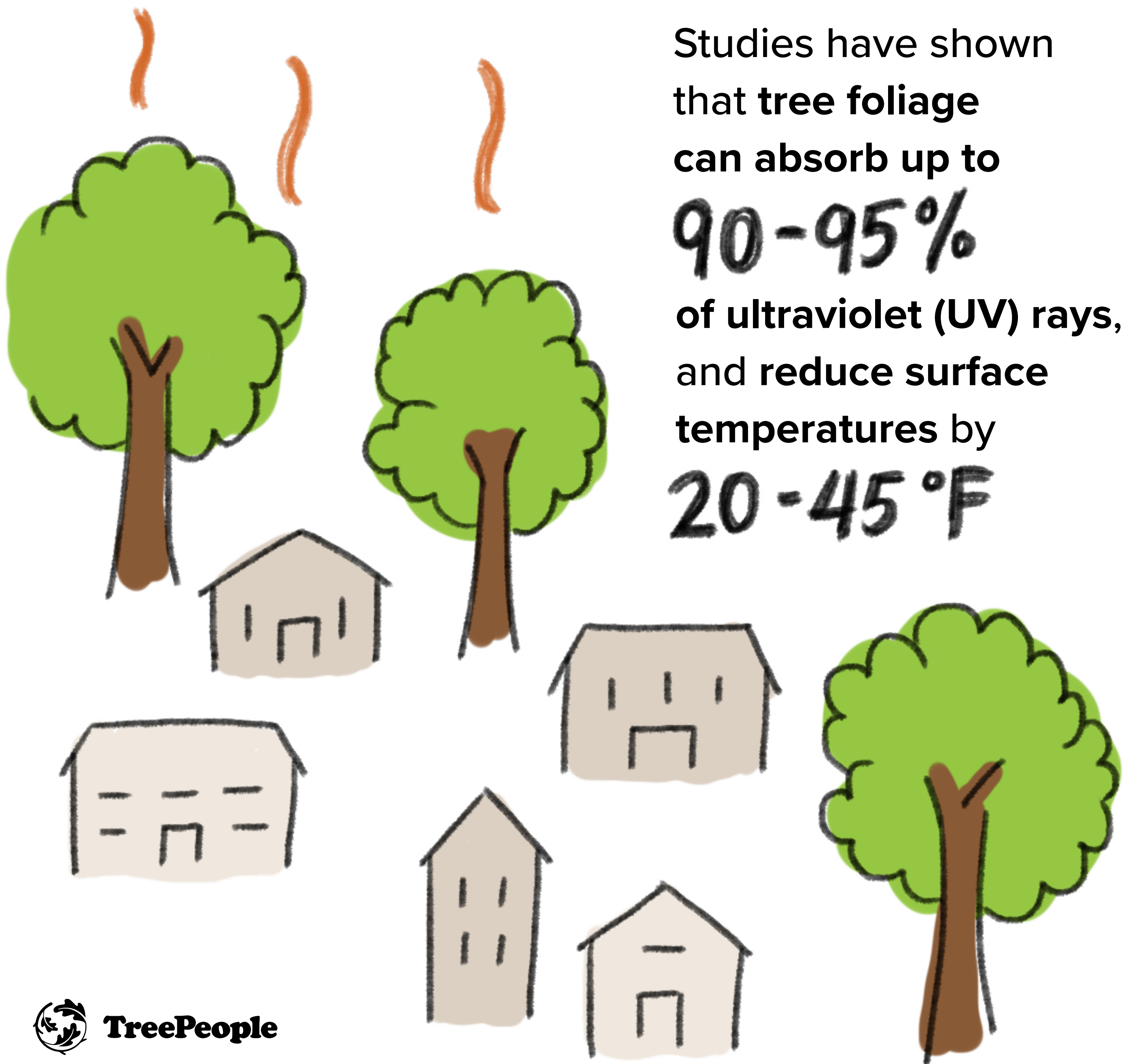
the urban heat island effect

—and trees can do a lot to help mitigate it!



One of the most obvious ways trees help cool our cities is by **shading streets, sidewalks, and buildings**, reducing the amount of heat these surfaces absorb and radiate back into our cities.

Studies have shown that **tree foliage** can absorb up to **90-95%** of ultraviolet (UV) rays, and reduce surface temperatures by **20-45°F**



Trees also cool air temperatures through a process called

evapotranspiration

This happens when the water stored in plants' leaves evaporates.



This water is then released into the air as vapor, cooling the surrounding air. A single mature tree—such as an oak—can transpire **up to 40,000 gallons of water per year!**



Studies show that on average, urban forests were

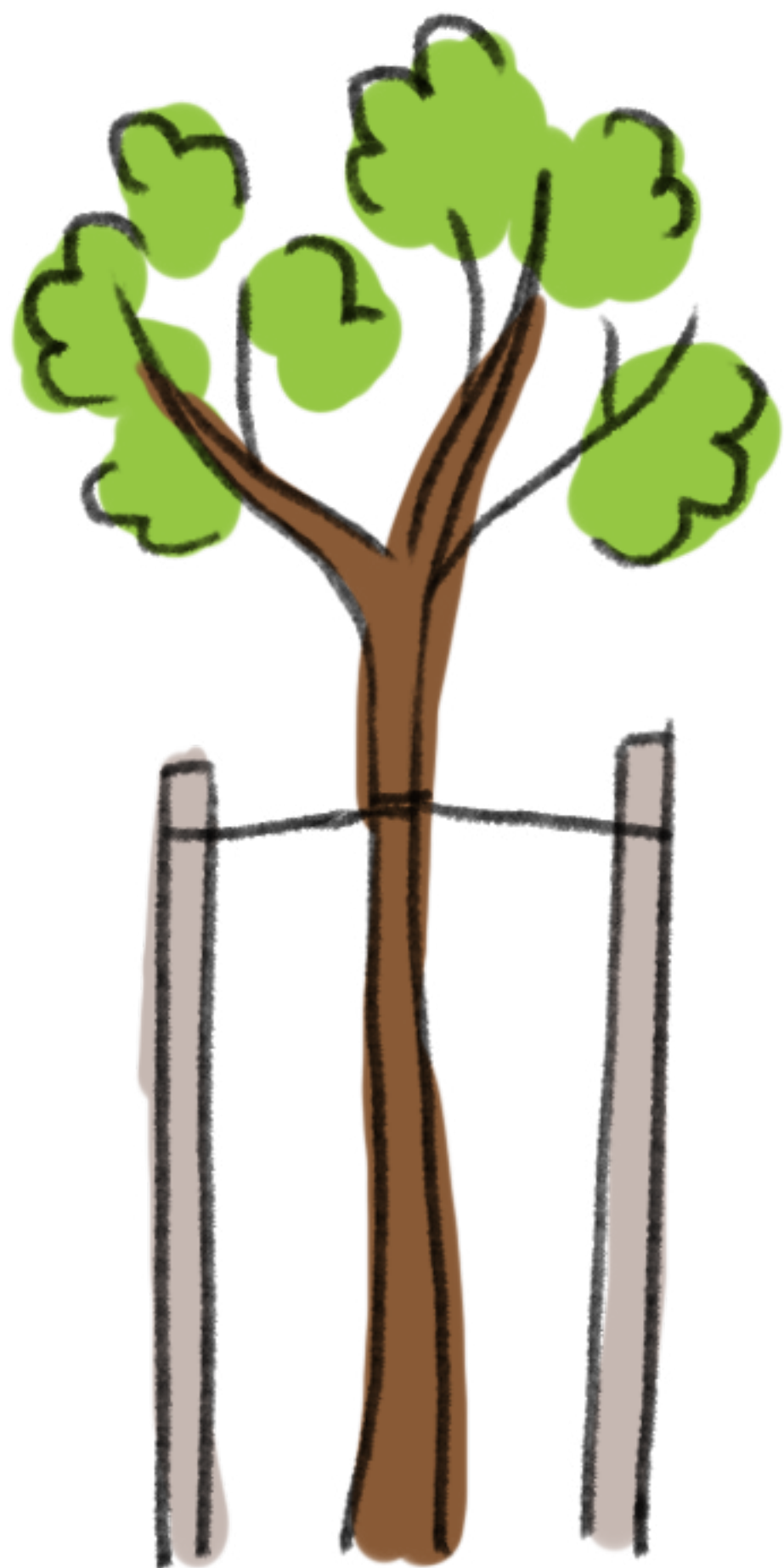
3°F cooler

than surrounding areas without vegetation.



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Trees aren't just pretty to look at—they are essential infrastructure that help keep our cities cool, combat climate change, and so much more.



That's why TreePeople
has committed to



—an effort to plant

28,000
new trees

**ahead of the 2028 Olympic
and Paralympic Games!**

Head to the link in bio to learn more about how
you can join us in expanding our urban canopy—
and Rooting for LA—today.