

The Benefits of Trees in Whitchurch-Stouffville



Trees are vital natural assets that provide numerous benefits to Whitchurch-Stouffville's community. They are the green lungs of the Town, enhancing our health and wellbeing, saving us money, and providing food and sanctuary for wildlife. Whitchurch-Stouffville has approximately **6.10 million trees** that cover 38.9% of the municipality.



The Town's trees provide shade and shelter, reducing annual energy demands for owners and tenants, providing a savings of over **\$1.6 million annually**.



Trees absorb and filter rainwater, which helps improve water quality and reduces flooding. The town's urban forest **keeps 100,087 m3 of stormwater out** of storm sewers annually. This is equivalent to 27 Olympic-sized pools.

Whitchurch-Stouffville's urban forest improves the air we breathe by **removing 447 tonnes** of air pollutants annually and **produces 28,162 tonnes** of oxygen.

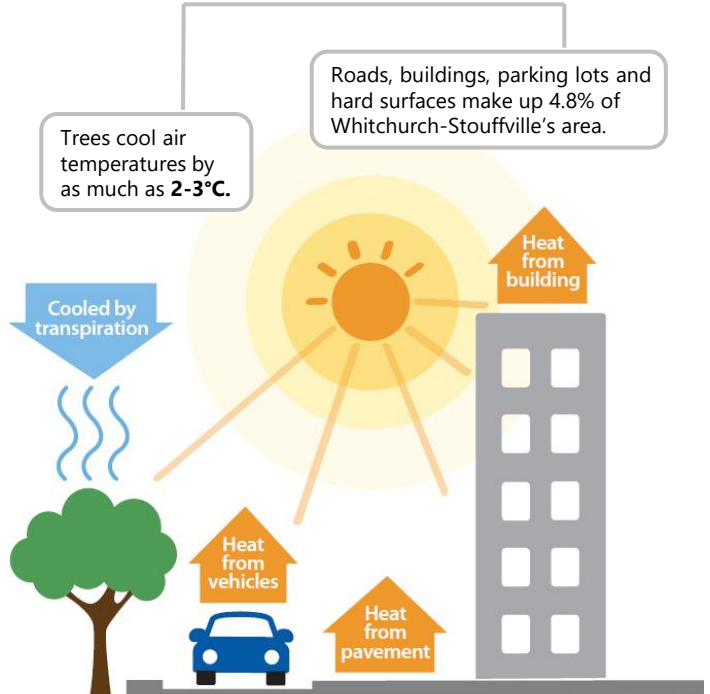


Trees cool air temperatures by as much as **2-3°C**.

Roads, buildings, parking lots and hard surfaces make up 4.8% of Whitchurch-Stouffville's area.

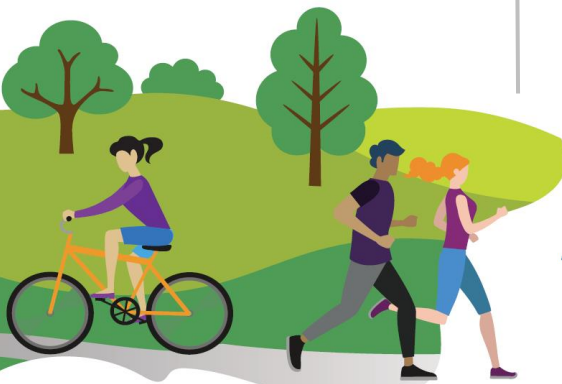


Urban forests help Whitchurch-Stouffville mitigate climate change, **removing 64,927 tonnes** of carbon dioxide per year from the atmosphere. This is equivalent to taking **15,453 vehicles off the road**.



Green spaces and woodlands provide opportunities to **enjoy the outdoors**. Spending time outside has been linked to **improved physical, mental, and emotional well-being**.

The urban forest provides shade and cooling, **reducing** the average **ultraviolet index by 58%** in residential areas in Whitchurch-Stouffville. Paved and hard surfaces trap heat, making them warmer than surrounding natural areas. This is called the urban heat island effect. Having trees reduces the urban heat island effect.



Stouffville



Lake Simcoe Region
conservation authority



For more information visit TownofWS.ca