

BENEFITS OF TREES AND URBAN FORESTS

Information collected from Tree Canada



of full-sized trees to absorb the CO2 from one car, driven 20,000 kms/year.

ENVIROMENTAL BENEFITS

- Air is more breathable, reducing CO2.
- Capture carbon becoming carbon "sinks"
- Reduce Greenhouse Effect.
- Intercept rainfall and reduce run-off, like retention/detention basins.
- Root systems prevent soil erosion.
- Preventing soil erosion, prevents water pollution.

WILDLIFE BENEFITS

- Provide food for people and animals like fruit, berries, and nuts.
- Provide shelter and homes to many wildlife species.
- Provide shade that cools bodies of water, benefitting fish species.
- Root systems provide shelter for fish to hide from predators.



1 large tree can provide 1 day oxygen to 4 people.

HEALTH BENEFITS

- 1/4 pharmaceutical products are plant based (chemotherapy drugs, aspirin, creams, etc.).
- Reduce stress levels, and bring people closer to nature and culture.
- Studies show views of trees can increase the healing process and reduces complications.
- Psychological impacts, emotions and enjoyment of ones surroundings.

NEIGHBOURHOOD BENEFITS

- Properties with trees can be valued higher in real estate.
- Studies show people can receive over 100% return on investment in landscaping.
- Reduce air conditioning costs by shading homes.
- Reduce heating costs with conifers insulating homes.
- Beautifies the surrounding landscape.
- Blocks out unattractive views.
- Trees and shrubs can reduce noise pollution.
- Studies show streets lined with trees increase traffic safety by making them look narrower. Provides an "edge effect" or psychological cue to drive slower.



Mature trees can provide a 7-19% increase in home value.



1 tree can lift this much water from the ground, and discharge into the air in 1 day.

ECONOMIC AND INFRASTRUCTURE BENEFITS

- Provide recreation and attraction activities for tourists.
- Provide employment opportunities to those in the forestry field.
- Provide shade for roadways and parking lots, cooling them and extending the life of the asphalt.
- Reduces flooding during heavy rain. Helps prevent sewage back-ups due to heavy rain.

Visit treecanada.ca/resources for more information.