

Benefits of Charlottetown's Tree Canopy

Trees have a number of economic, social and environmental benefits to the City of Charlottetown. Here are some of those benefits:

- Trees provide beautiful and peaceful settings with opportunities to learn about nature;
- Trees clean pollutants from our air and water;
- Trees store carbon dioxide and release oxygen;
- Trees recycle nutrients and rainwater;
- Trees buffer winds and provide shade;
- And trees provide habitat and food for wildlife.

There's actually a formula for figuring out the estimated economic value of trees. The City of Charlottetown has 22 per cent tree canopy cover (as of January 2015). Here are the benefit values and figures for Charlottetown's tree canopy based on iTree's peer-reviewed formulas:

	Benefit Description	Value	Amount
CO	Carbon Monoxide removed annually	\$2,138.48	1.25t
NO2	Nitrogen Dioxide removed annually	\$3,870.93	6.92t
O3	Ozone removed annually	\$177,782.52	53.44t
PM	Particulate Matter removed annually	\$372,189.15	2.73t
SO2	Sulfur Dioxide removed annually	\$582.91	3.40t
CO2seq	Carbon Dioxide sequestered annually in trees	\$121,753.05	15.17t
CO2stor	Carbon Dioxide stored in trees (Note: not an annual rate)	\$275,024.18	11.05kt