

# Benefits of the Urban Forest

## *Investing in Trees Means Investing in the Community*

Business owners know the importance of investing in the community. A healthy, thriving community can also mean a thriving business. Trees play an important role in creating a happy, healthy city for people to enjoy.

Trees have been proven to cool our cities, clean the air we breath, slow down traffic, and make our communities safer. They can also increase the value of our homes and businesses by creating the kind of neighborhood that people want to live and visit.



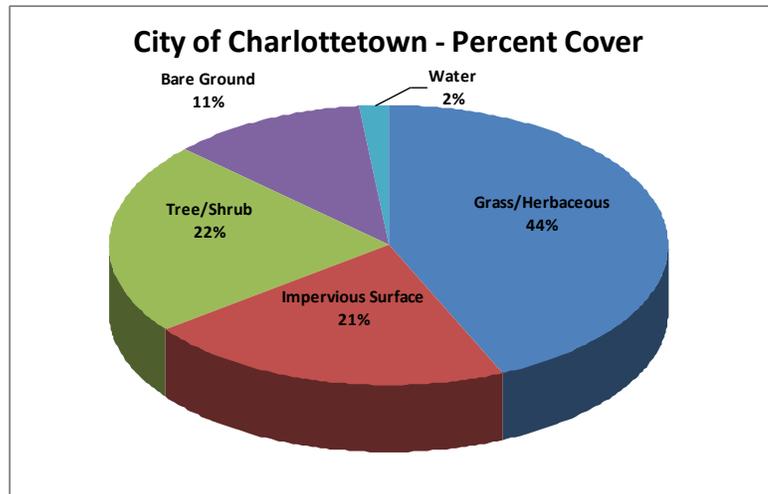
### Some of the Economic Benefits Provided by Trees

- **Reduce energy costs:** Shade can cool our buildings in the summer, reducing the load on air conditioners. Trees can also block wind and snow in the winter, decreasing heating costs.
- **Reduce maintenance costs:** Trees can shelter asphalt and buildings from the elements, reducing wear and erosion.
- **Improve aesthetics:** Trees can beautify a property and provide a welcoming, natural setting which will attract more people.

City of Charlottetown Contact  
902 566-5548

# Benefits of the Urban Forest

Analysis of 2012 imagery shows that the urban tree canopy currently accounts for about 22% of the total land cover in Charlottetown. Trees of various size and species occupy parks, yards, boulevards and storefronts. In order to maintain and improve on our canopy, we must be aware of the needs of our City's trees.



## Economic Value of Charlottetown's Tree Canopy (2012 Analysis)

	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

### Some Challenges Faced by Charlottetown Street Trees

- Vehicle damage to the trunk
- Ice and wind storm damage
- Insect pests and disease
- Lack of water (especially during drought)
- Lack of pruning
- Soil compaction and quality
- Salt damage