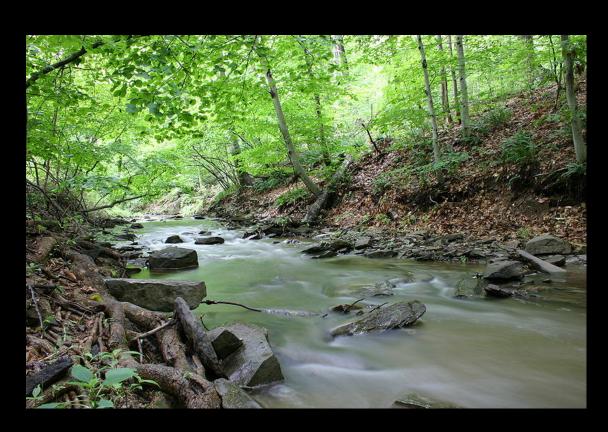
Trees provide many benefits to communities:

- energy savings
- air quality improvements
- storm water management
- property values
- quality of life



Specific examples:



Chicago's 3.6 million trees reduce air pollution by almost 900 tons each year



Sacramento homeowners save \$25 on electricity bills each summer by planting trees on the west and south sides of their homes



Street trees add \$9,000 to home values in Portland, Oregon

Trees add significant beauty and other benefits to Signal Mountain



Our tree canopy analysis:

- by TN Division of Forestry
- 1997 and 2010 aerial photos taken
- 5,500-acre area included

canopy evaluated in 245 locations

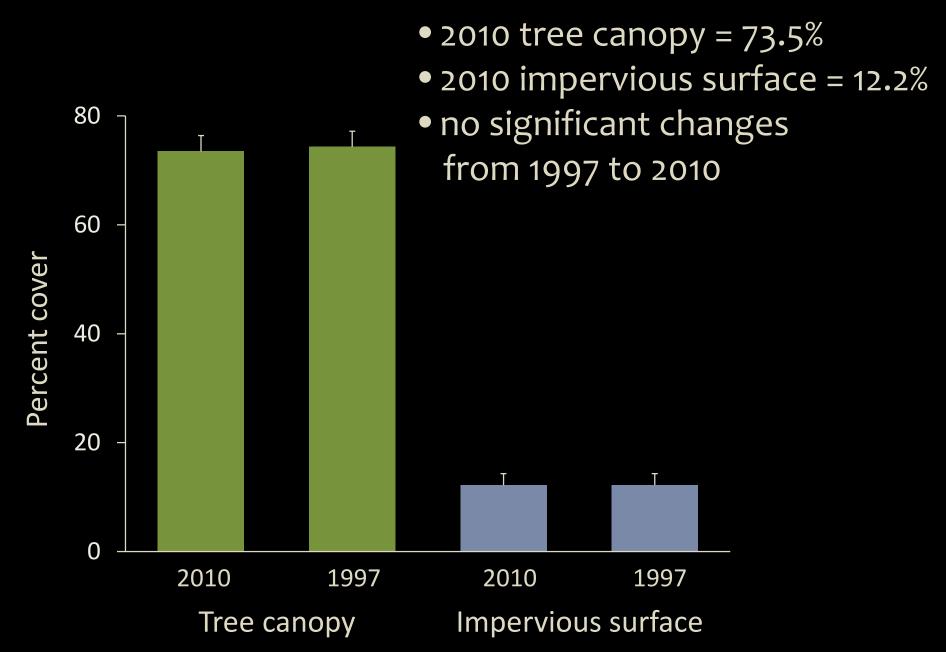
(denoted by dots)

• GIS software used



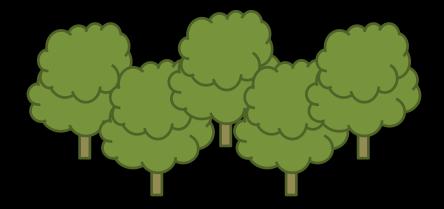


Results:



What is our tree canopy worth?

- 1% of Signal Mountain = 55 acres
- 1 full-canopy acre = 50 trees



1% of Town = 55 acres × 50 trees/acre = 2,750 trees
2,750 trees × \$70/tree = \$192,500

73.5% of Town × \$192,500/1% = \$14,148,750

Recommendations:

- maintain our current 'excellent' canopy
- manage development to preserve trees
- identify plantable spaces to remediate losses

