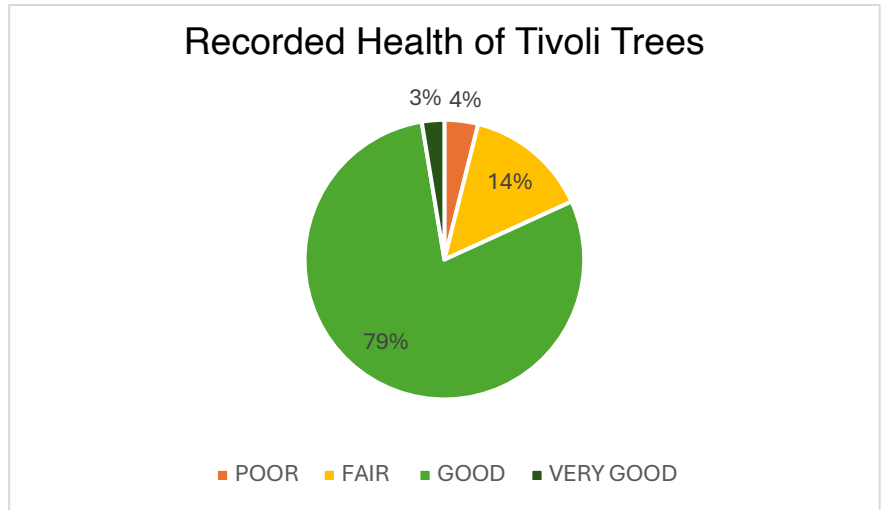


The recent tree inventory recorded tree health noting conditions such as dead and dying limbs, rot, and insect damage.

In general, Tivoli’s public trees are thriving with 82% recorded in either good or very good health.



CLIMATE AND ECOSYSTEM BENEFITS OF TREES

Trees offer a number of critical ecosystem services which improve quality of life for Tivoli’s residents and are a key nature-based solution to climate change. Tivoli’s largest tree is a stately swamp white oak growing in Memorial Park with a trunk diameter of 47 inches. The services that this tree provides over a 20-year period are calculated below using the USDA Forest Service iTree tool.

MyTree Benefits

Over 20 years.

Swamp white oak, (*Quercus bicolor*)

Serving Size: 47.00 in. diameter

Condition: Good

Location: Tivoli, Ny, United States

Expected over 20 years: \$145.59

Discover benefits of all your [community trees!](#)

Carbon Dioxide Uptake	\$103.06
Carbon Sequestered ¹	1,208.56 lbs
CO ₂ Equivalent ²	4,431.37 lbs
Storm Water Mitigation	\$40.16
Runoff Avoided	4,493.9 gal
Rainfall Intercepted	167,604.51 gal
Air Pollution Removal	\$2.37
Carbon Monoxide	10.24 oz
Ozone	325.24 oz
Nitrogen Dioxide	7.53 oz
Sulfur Dioxide	8.72 oz
PM _{2.5}	7.98 oz

Benefit estimates are based on USDA Forest Service research and are meant for guidance only.


MyTree

Works hard for me!


Location: Tivoli, Ny, United States
Swamp white oak, (*Quercus bicolor*)

With care and maintenance, after 20 years this tree could potentially:


offset 4,891 miles worth of CO₂ emitted from the average gas-powered passenger vehicle,



absorb enough stormwater to fill 5,737 bathtubs,



and remove an amount of pollution from the air – in gaseous and particulate form – equivalent in weight to 66 smartphones!





This large swamp white oak pictured in Tivoli's Memorial Park provides critical climate and ecosystem benefits.