



NDSU

COMMUNITY FORESTRY IN NORTH DAKOTA



Healthy Community Trees Contribute to Healthy Communities

Community Forestry involves the selection, planting and long-term care of the trees in our cities and towns, where most North Dakotans live. The health of this urban forest contributes to the economic, social and environmental well-being of our communities.

What is Urban & Community Forestry?

Urban forestry is the care and management of single trees and tree populations in urban settings for the purpose of improving the urban environment. Urban forestry advocates the role of trees as a critical part of the urban infrastructure. While “gray” infrastructure deteriorates in value over time, “green” infrastructure grows in value over time.

Benefits of Urban Trees



Trees reduce stress, lessen the duration of hospital stays, and ease anxiety and depression



Students with a view of trees pay attention longer



Particulate levels on tree-lined streets are up to 60% lower than those without trees



Trees provide food, protection, and shelter for many birds and mammals



Trees can increase property prices anywhere from 5% to 18%



For every 5% of tree cover, storm water runoff is reduced by 2%

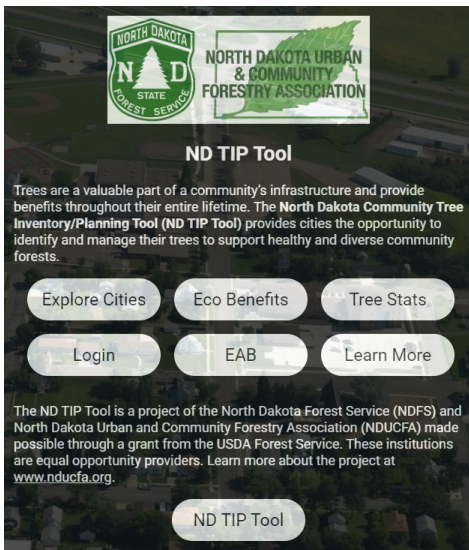


North Dakota Community Forestry in 2019

- **78%** of North Dakota's population lives in communities with active urban and community forestry initiatives
- **464,895** population living in communities provided urban forestry program assistance
- **\$241,711** awarded to communities for 38 tree planting and program development grants
- **99 communities** across the state have had a Community Threat Assessment Protocol (CTAP) street tree inventory completed (to view your community's trees, please visit: <https://ndcitytrees.org/NorthDakota/>)



North Dakota Community Forests at Risk



- **16 to 80 percent** of street trees in North Dakota CTAP communities are green ash
- **46 percent green ash** is the average street tree population in CTAP communities
- **Emerald ash borer (EAB)** has been found in 35 states, including Minnesota and South Dakota, as well as Winnipeg, Manitoba
- **Severe storms and extreme weather** are eroding community forest resources, not only in North Dakota but across the country

North Dakota Community Forest Ecosystem Benefits

***Total Tree Value & Savings: \$3,416,660**

59,992,500 gallons of Stormwater Runoff Prevention or 91 Olympic Size Swimming Pools

7,050,320 kWh of Energy Saved or 2,203 average homes using electricity and gas

119,354 lbs of Pollutants Removed or 5,967 thirty-two gallon trash cans

22,577,000 lbs of Carbon Stored or carbon emissions from 1,157,794 vehicles

**Numbers based on 99 CTAP communities*

