

Impact Summary



Branching Out
Texas Trees Foundation

Dallas, TX

Project Goals

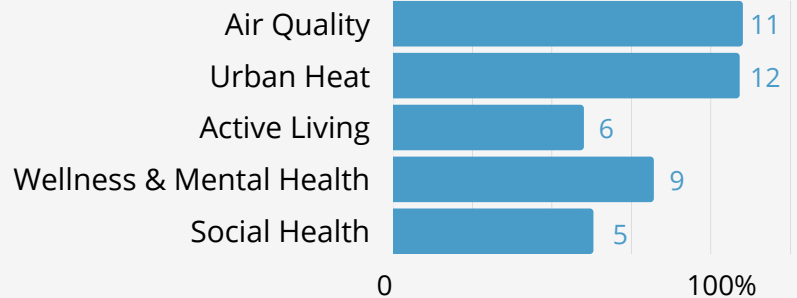
In 2022, Texas Trees Foundation (TTF), in partnership with American Forests and with the support of Salesforce, planted 300 trees at six parks in Dallas, TX. Trees were planted strategically around high-use areas of the parks, including walking paths, playgrounds, picnic areas, and sport fields, to promote community health and wellbeing. Over 200 volunteers from community groups and companies around the city participated in the 5 planting events. The project is part of the broader Branching Out program, a partnership between TTF and the City of Dallas that began in 2018 with the goal of renewing Dallas' aging urban canopy and promoting equitable greenspace for all.



Human Health



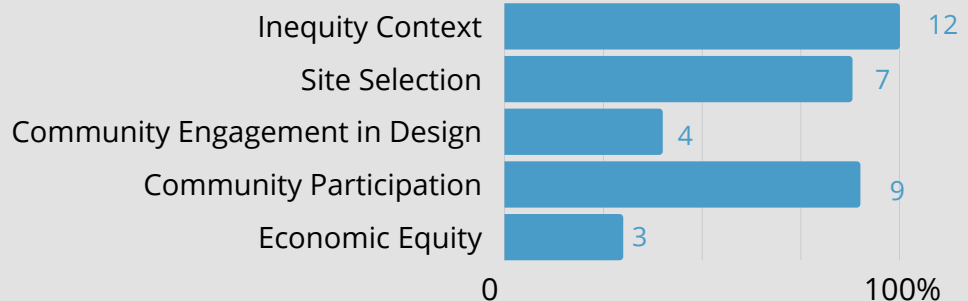
43/50
Exceptional



Social Equity



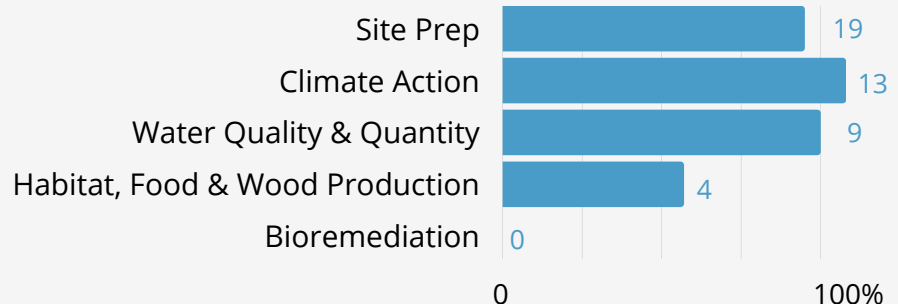
35/50
Excellent



Environment



45/50
Exceptional



Impact Summary

Branching Out



Credit: Texas Trees Foundation

Improve air quality, reduce urban heat, and promote outdoor recreation

Predominantly neighborhoods of color, the communities where the six parks are located have high rates of poverty and a significant disease burden. These residents are particularly vulnerable to heat-related illness, and because many rent their homes, they are more dependent on public parks for nature-based exposure and benefits. Five of the six parks are also adjacent to highways and large intersections, a major source of air pollution. Indeed, Dallas student asthma rates are over 14% greater than the national average. The trees planted for this project will screen residents from highway traffic pollution, provide much-needed thermal refuge to encourage outdoor recreation and exercise, and enhance public gathering places to increase social resilience.

UN Sustainable Development Goals



Improve air quality, promote recreation



Improve stormwater management



Local sourcing of materials



Increase tree equity



Inclusive access to greenspaces



Reduce urban heat and energy needs



Deliver local climate action, quantify benefits



Increase urban forest diversity & resilience



Community-based partnerships

Quantified Benefits

Projected values (avoided costs) for ecosystem benefits per year in 25 years

Carbon Sequestration

741 metric tons of CO₂
\$18,533 (at \$25/ton)

Rain Interception

4,268 m³/year
\$11,163 per year

Air Quality

O₃: 0.02 t/yr
NO_x: 0.01 t/yr
PM₁₀: 0.03 t/yr
\$633 per year

Energy Savings

Electricity - 30,542 kWh/yr
Natural Gas - 114,978 kBtu/yr
\$3,513 per year