

Impact Summary



Kemeny Park 2022 Planting Project The Greening of Detroit

Detroit, MI

Project Goals

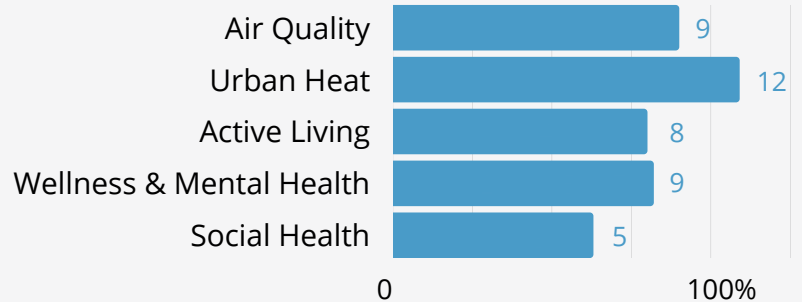
The Greening of Detroit, in partnership with American Forests and with support from Salesforce, Zyrtec, Eddie Bauer, and Bank of America, planted 240 trees throughout Kemeny Park and the surrounding neighborhood in Detroit's zip code 48217. Wedged between the I-75 freeway and Fort St highway and surrounded by heavy industry, 48217 has been dubbed one of the most polluted zip codes in Michigan. Planting trees within and around Kemeny Park will improve air quality, enhance community spaces, and bring nature-based health benefits to this community.



Human Health



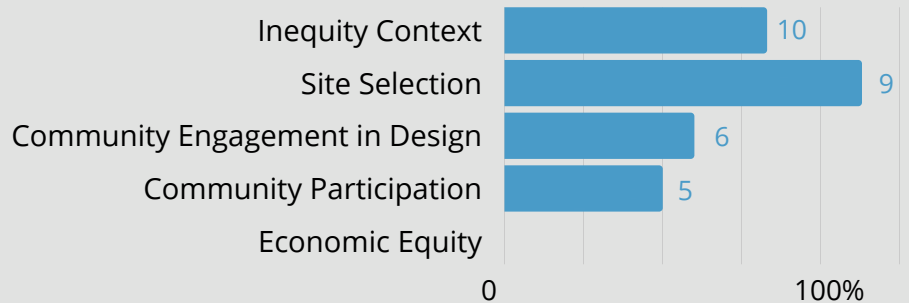
43/50
Exceptional



Social Equity



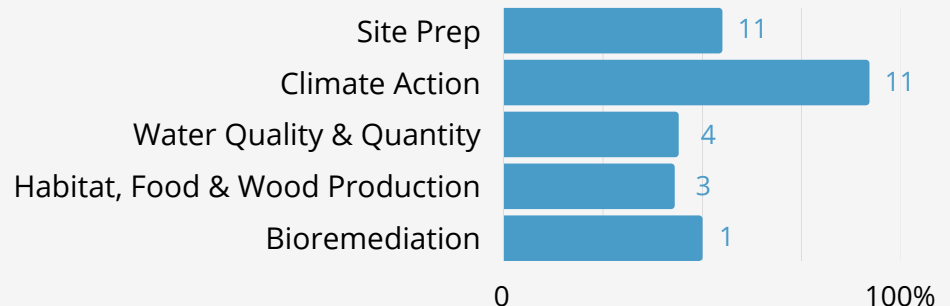
30/50
Excellent



Environment



30/50
Excellent



Impact Summary

Kemeny Park 2022 Planting Project



Improve air quality, support active living, promote community resilience

The primary goal of this project was to reduce health disparities related to air pollution. The trees planted for this project will absorb air pollutants and buffer residents from traffic-related and industrial sources of pollution. The project also aimed to promote access and engagement in recreational and community spaces. Trees planted at Kemeny Park and Recreation Center, Mark Twain School for Scholars, and Southwestern Church of God community gardens will improve air quality, shade, beautify, and enhance vital neighborhood resources that support ongoing nature-based activities, while trees planted along residential streets will create green pedestrian corridors linking residents to these spaces. With three years of maintenance funding and by engaging community stewardship, the project will ensure that the trees survive to provide the promised community benefits of cleaner air and expanded greenspace.

UN Sustainable Development Goals



Improve air quality, reduce pollutants



Improve stormwater management



Increase tree equity



Inclusive access to greenspaces



Reduce urban heat



Deliver local climate action, quantify benefits



Expand riparian habitat



Multi-sector partnerships

Quantified Benefits

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

Carbon Sequestration

183 metric tons of CO₂
\$4,577 (at \$25/ton)

Rain Interception

1,700 m³/year
\$3,594 per year

Air Quality

O₃: 0.06 t/yr
NO_x: 0.02 t/yr
PM₁₀: 0.03 t/yr
\$1,337 per year

Energy Savings

Electricity - 22,118 kWh/yr
Natural Gas - 808,648 kBtu/yr
\$14,409 per year