

Impact Summary

Newport Tons of Trees Initiative
Newport, RI
Newport Tree Conservancy



Project Goals

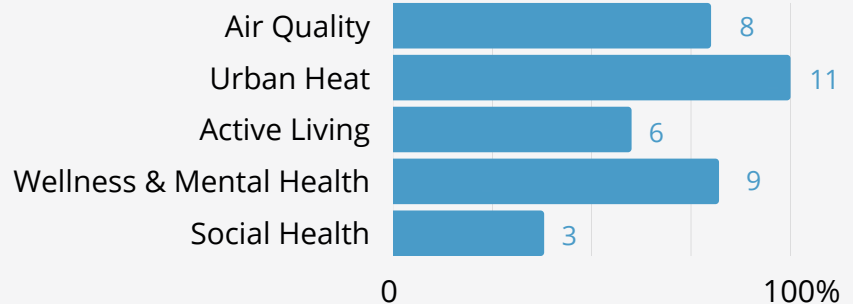
Newport Tree Conservancy (NTC), in partnership with American Forests and the State of Rhode Island, planted 304 trees throughout the North End of Newport, RI, between Fall 2021 to 2022. Trees were planted around residential areas, low-income housing, and at key community gathering places to reduce urban heat and improve community wellbeing. The North End is an economically disadvantaged community with poor health outcomes and low access to parks, open space, and tree canopy. This project represents a step forward towards improved health and greater tree equity for the community.



Human Health



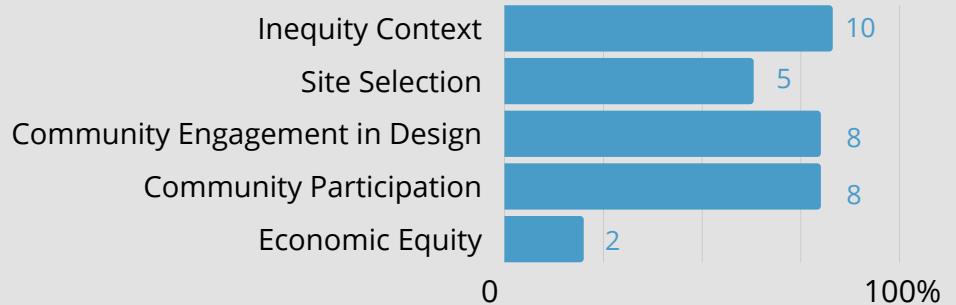
37/50
Excellent



Social Equity



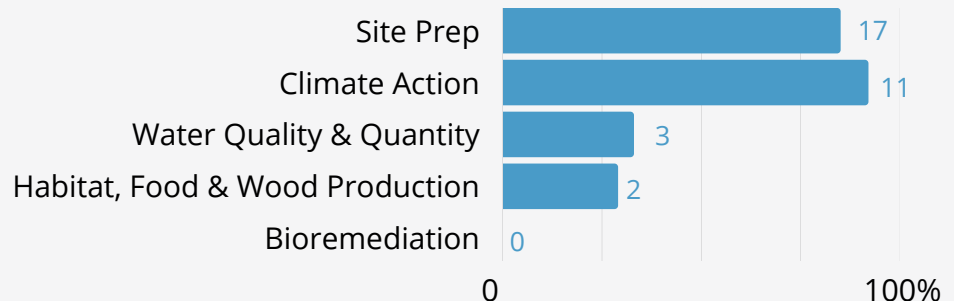
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Environment



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Excellent



Impact Summary

Newport Tons of Trees Initiative



Credit: Newport Tree Conservancy

Reduce urban heat, promote active living, increase tree equity

Trees planted on homes throughout the North End will provide shade to residents, create green streetscapes that encourage recreation, and screen pollutants from traffic on nearby streets. Trees planted at community spaces like Miantonomi Park, Coddington field, Pell Elementary, and Florence Gray Community Center will provide thermal refuge and promote mental health for families and community members as they gather together for learning, play, and relaxation. Long-term, community members will be engaged in NTC's 3-year tree care plan to ensure the community reaps the promised benefits of these trees to provide shade and promote health and recreation.

UN Sustainable Development Goals



Remove air pollution, promote recreation



Increase water capture and infiltration



Local sourcing of materials



Inclusive outreach, increase tree equity



Inclusive access to greenspace and tree benefits



Reduce urban heat and energy needs



Deliver local climate action, quantify benefits



Enhance local habitat



Public and community partnerships

Quantified Benefits

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

Carbon Sequestration

137 metric tons of CO₂
\$3,425 (at \$25/ton)

Rain Interception

343 m³/year
\$725 per year

Air Quality

O₃: 0.012 t/yr
NO_x: 0.005 t/yr
PM₁₀: 0.006 t/yr
\$275 per year

Energy Savings

Electricity - 4,591 kWh/yr
Natural Gas - 171,868 kBtu/yr
\$3,047 per year