

Impact Summary

Delaware Center for Horticulture

Rose Hill & Holloway Terrace Parks Planting Project



New Castle County, DE

Project Goals

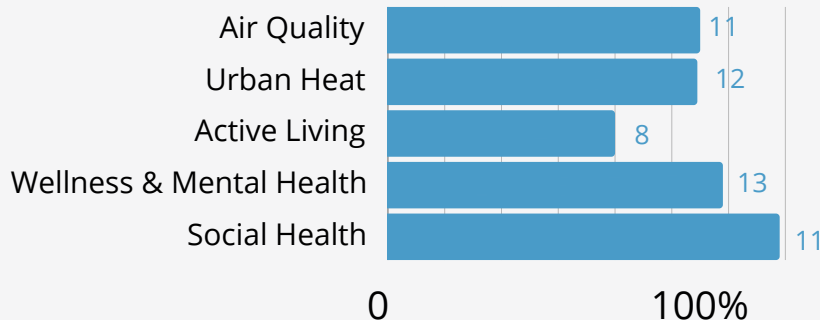
With the support of Incyte and in collaboration with New Castle County Parks, Route 9 Community Development Corporation, and Delaware River Climate Corps, the Delaware Center for Horticulture (DCH) planted 100 trees total in October 2024 at Rose Hill and Holloway Terrace Parks along the Route 9 Corridor between South Wilmington and Collins Park, DE. Per the CDC, the census tracts these parks are within near Route 9, are in the 98th percentile or above in the nation for environmental burden, exacerbated by a history of disinvestment and limited access to public services. The new trees will filter out traffic and industrial pollutants, provide cooling shade, and beautify community spaces. Around Holloway Terrace Park, located 150 feet from the Delaware Memorial Bridge, the new trees will create year-round buffer to reduce noise, air pollution, and runoff.



Human Health



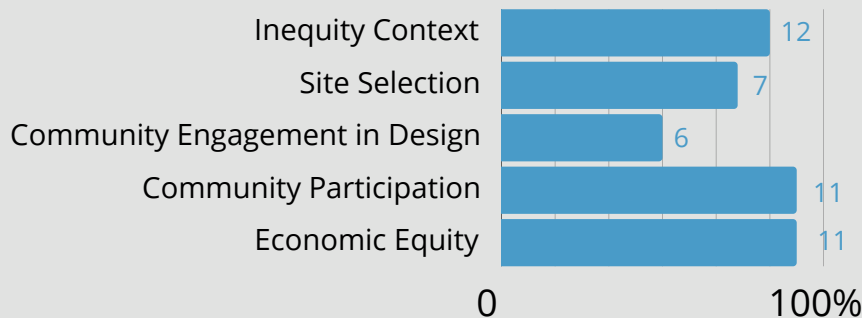
55/50
Exceptional



Social Equity



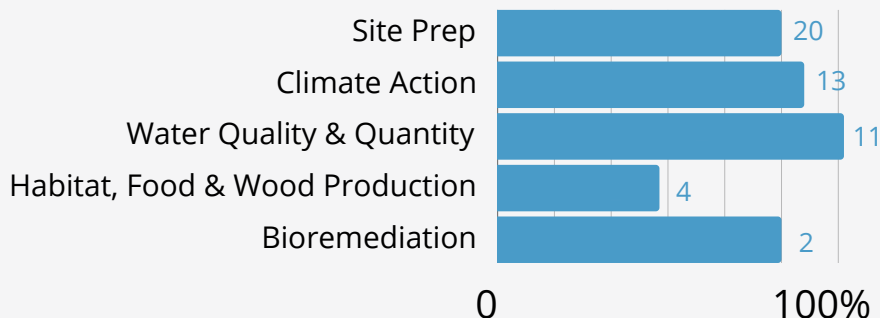
47/50
Exceptional



Environment



50/50
Exceptional



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Rose Hill & Holloway Terrace Parks Planting Project



Increase canopy diversity, improve air quality and buffer, promote recreation

Incyte employee volunteers and members of the public came together to plant trees at the two parks. The planting was led by DCH staff, as well as members of R9CDC, a crew of young community members trained and paid to work with the County Parks Department. By providing both training on urban tree care and hands-on experience, DCH empowered volunteers to become informed tree stewards and advocates in their own communities. During the critical two-year establishment phase, tree maintenance will be provided by the R9CDC landscaping crews, who will gain vital urban forestry and horticultural career skills while ensuring that trees survive to deliver the promised benefits to the community.

UN Sustainable Development Goals



Promote recreation for improved health



Reduce flooding



Green job training and employment



Increase tree canopy and benefits for all



Inclusive access to greenspaces



Reduce urban heat and energy needs



Deliver local climate action, quantify benefits



Restore stream water quality



Expand urban habitat



Community-led design and process



Public and Private partnerships

Quantified Benefits

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

Carbon Sequestration

185.41 metric tons of CO₂
\$4,635 (at \$25/ton)

Rain Interception

806 m³/year
\$2,108 per year

Air Quality

O₃: 0.01 t/yr
NO_x: 0.003 t/yr
PM₁₀: 0.01 t/yr
\$162 per year

Energy Savings

Electricity - 6,914 kWh/yr
Natural Gas - 25,621 kBtu/yr
\$791 per year