

# Impact Summary

Nyack Tree Planting Project  
Nyack, NY  
Nyack Tree Committee



## Project Goals

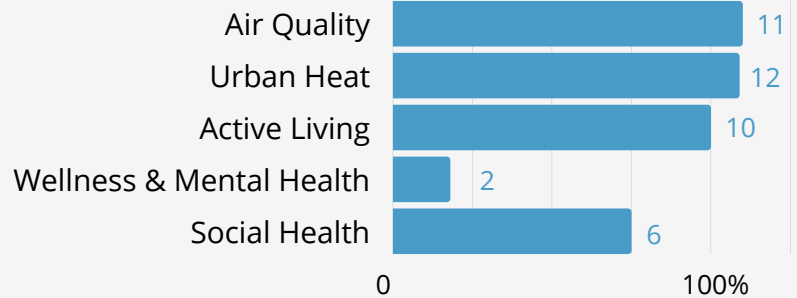
The Nyack Tree Committee and local employees of Nice-Pak Products and American Forests planted 34 trees and 117 shrubs in Nyack, New York in spring 2022. To maximize human impact and improve climate resilience, trees were planted in the downtown core – a high-density residential and commercial area with a low percentage of tree canopy and high proportion of impervious surface. The new trees will manage stormwater runoff, improve air quality, provide shade to mitigate urban heat, enhance the pedestrian experience, sequester carbon, and beautify the downtown area.



## Human Health



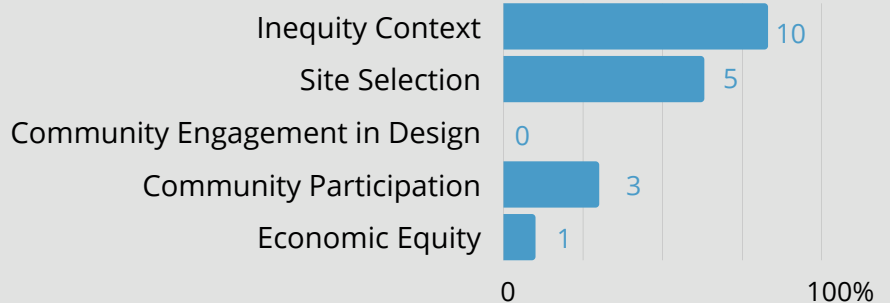
**41/50**  
Exceptional



## Social Equity



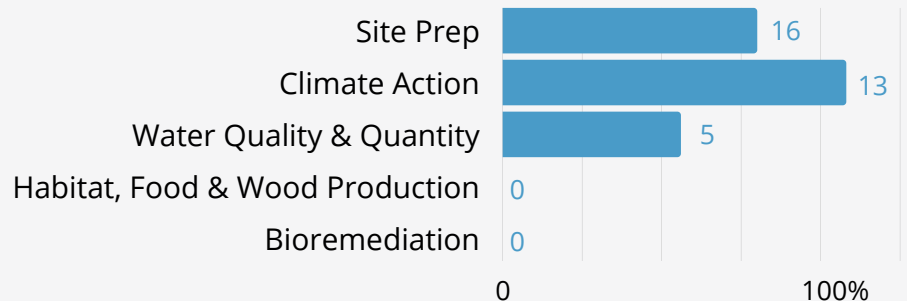
**19/50**  
Good



## Environment

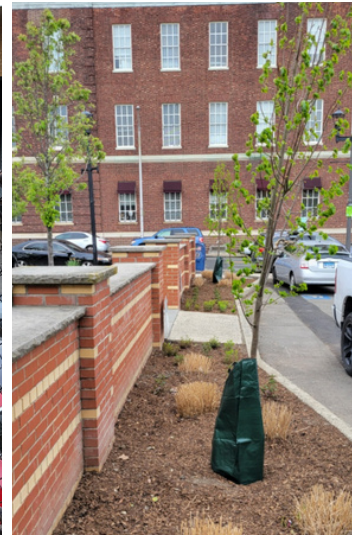


**34/50**  
Excellent



# Impact Summary

## Nyack Tree Planting Project



Credits: Nyack Tree Committee

### Improve human health, manage stormwater, and promote recreation

This project ties into a five-year effort to increase Nyack's urban tree canopy, emphasizing the conversion of impervious surfaces to trees. Trees were planted strategically along high-traffic streets, transit hubs and parking lots to encourage walking and exercise for residents, commuters, and shoppers. Located adjacent to Nyack Head Start Preschool, Nyack Senior Center, and public housing, the trees will also improve air quality and provide thermal refuge for vulnerable populations, while mitigating stormwater runoff in the downtown core.

### UN Sustainable Development Goals



Improve health and well-being for residents & pedestrians



Mitigate stormwater runoff



Support local businesses



Increase tree canopy and benefits for all



Promote wellness and livability



Reduce urban heat and energy needs



Deliver local climate action, quantify benefits



Support climate resilience



Community-based tree care

### Quantified Benefits

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

#### Carbon Sequestration

14.54 metric tons of CO<sub>2</sub>  
\$363.45 (at \$25/ton)

#### Rain Interception

104.63 m<sup>3</sup>/year  
\$221.13 per year

#### Air Quality

O<sub>3</sub> - 0.0037 t/yr  
NO<sub>x</sub> - 0.0016 t/yr  
PM<sub>10</sub> - 0.0018 t/yr  
\$88.18 per year

#### Energy Savings

Electricity - 1,652.73 kWh/yr  
Natural Gas - 65,069.17 kBtu/yr  
\$1,141.62 per year