

# Impact Summary

Bald Eagle Recreation Center Tree Planting  
Ward 8, Washington DC  
Casey Trees, Ward 8 Woods, American Forests



## Project Goals

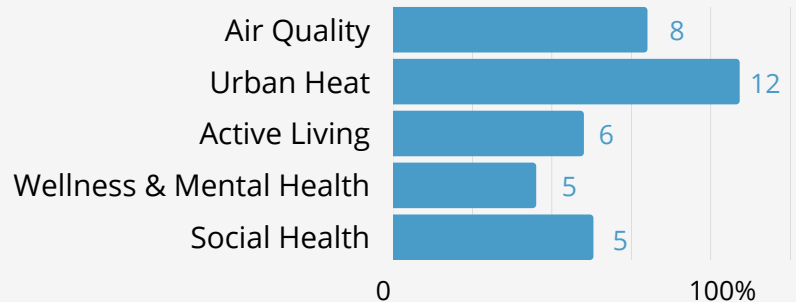
To promote youth recreation, green workforce training, and community connections, Ward 8 Woods, Casey Trees, and American Forests partnered to plant 16 trees in October 2022 at Bald Eagle Recreation Center in Ward 8, Washington DC. The new trees will mitigate urban heat, promote active recreation and play, improve stormwater runoff, create green career training opportunities, and establish habitat corridors between surrounding greenspace.



### Human Health



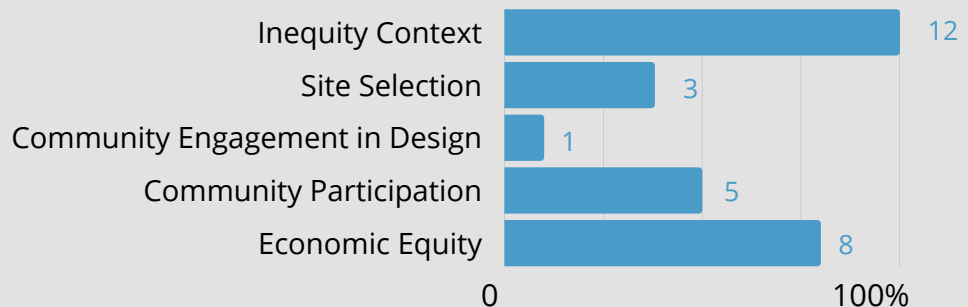
**36/50**  
Excellent



### Social Equity



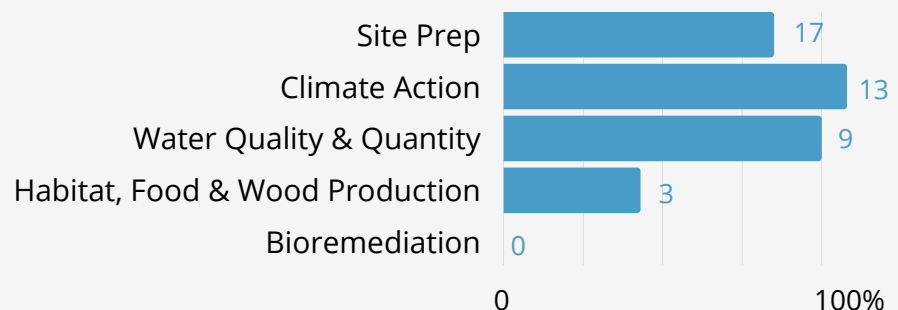
**29/50**  
Great



### Environment



**42/50**  
Exceptional



# Impact Summary

## Bald Eagle Recreation Center Tree Planting



Credit: American Forests

### Promote recreation, reduce urban heat, and support green jobs

The project planted large shade trees at the Bald Eagle Recreation Center, which provides afterschool and youth sports programs. Trees planted on and around the play areas will provide shade and encourage outdoor recreation for youth visiting the Center. Families and community members will be able to enjoy spectating at events under the shade of the planted trees. The trees will also provide thermal refuge during District heat emergencies, as the Recreation Center also serves as a local cooling center. Long-term tree maintenance will be provided by Ward 8 Woods' Park Stewards Program, a community-led greening initiative that provides employment and green career training for Ward 8 residents who face barriers to employment.

### UN Sustainable Development Goals



Promote recreation for improved health



Increase water capture and infiltration



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



Create habitat corridors



Community-based partnerships

### Quantified Benefits

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

#### Carbon Sequestration

40.6 metric tons of CO<sub>2</sub>  
\$1,014 (at \$25/ton)

#### Rain Interception

227 m<sup>3</sup>/year  
\$593 per year

#### Air Quality

O<sub>3</sub>: 0.0012 t/yr  
NO<sub>x</sub>: 0.0005 t/yr  
PM<sub>10</sub>: 0.0013 t/yr  
\$33 per year

#### Energy Savings

Electricity - 1,656 kWh/yr  
Natural Gas - 6,257 kBtu/yr  
\$191 per year