



Advancing Tree Equity in Providence, Rhode Island Validation Report Year 4

Document Prepared by City Forest Credits

September 24, 2025

PROJECT OVERVIEW

<i>Project Name</i>	Advancing Tree Equity in Providence, Rhode Island
<i>Project Registry Number</i>	022
<i>Project Type</i>	Tree Planting
<i>City Forest Credits Protocol Version</i>	Version 9, February 7, 2021
<i>Project Start Date</i>	November 10, 2021
<i>Project Location</i>	Providence, Rhode Island
<i>Project Operator</i>	American Forests

SUMMARY

State what stage of crediting this Validation Report applies to (i.e. after planting, Year 4, 6, 14, or 26). Provide a few sentences about the overall project. Include the Planting Design and Quantification Method.

Between April 2020 and November 2021, the Providence Neighborhood Planting Program (PNPP) Planted 1,120 trees across the city of Providence, Rhode Island. Trees were planted using the single tree planting design and quantification method including: 1,039 trees planted along the city right-of-way (sidewalks, lawn strips, medians, etc.) and 81 trees planted on other city owned and managed properties (schools, fire stations, parks, etc.). This Validation Report is for the Year 4 crediting phase.

DATA COLLECTION AND CARBON QUANTIFICATION

Carbon Quantification (Section 10 and Appendix A)

Criteria

Project Operator must follow the data collection and quantification methods outlined in Appendix A of the Protocol.

Issue Validated

Project Operator used the single tree quantification method, per Protocol criteria in Appendix A. CFC used the sample calculator in the quantification workbook to determine that 89 trees needed to be sampled. CFC used a random number generator to select the 89 trees to be sampled from the tree planting data submitted with the initial crediting documents.

Project Operator and local implementing partner Providence Neighborhood Planting Program staff collected data on the 89 tree random sample spanning the “Advancing Tree Equity in Providence, Rhode Island” project area, as provided by City Forest Credits. The status of each tree was documented, along with a geotagged photo. After sampling was completed, the project has a current mortality status of 6 vacant/dead trees. There were no changes to the Project Area.

The Carbon Quantification Summary is as follows:

Total number of trees planted	1,120
Project area (acres), if applicable	N/A
Total number of trees per acre, if applicable	N/A
Credits attributed to the project (tCO ₂ e)	1,022
Credits after mortality deduction (20% or insert observed mortality, if greater)	818
Contribution to Registry Reversal Pool Account (5%) (tCO ₂ e)	41
Total credits to be issued to the Project Operator (tCO₂e)	777
Total credits requested to be issued in Year 4 (30% of above)	311

GHG Assertion: Project Operator asserts that the Project results in GHG emissions mitigation of 777 tons CO₂e over the 26-year Project Duration. Project Operator asserts that per Protocol guidelines, 40% of Project GHG emissions mitigation is issued at Year 4, or 311 tons CO₂e.

Co-Benefits Quantification (Section 12 and Appendix A)

Criteria

Project Operator must follow the co-benefit quantification methods for rainfall interception, air quality, and energy savings.

Issue Validated

Project Operator has followed the co-benefits quantification method using the templates provided by City Forest Credits. The following table documents the quantified ecosystem services in resource units and avoided costs per year when Project Trees reach 25 years old.

<i>Ecosystem Services</i>	<i>Resource Units</i>	<i>Value</i>
Rainfall Interception (m ³ /yr)	7,142.36	\$15,094.51
Air Quality (t/yr)	0.4764	\$5,715.86
Energy: Cooling – Electricity (kWh/yr)	93,201.26	\$13,057.50
Energy: Heating – Natural Gas (kBtu/yr)	3,467,234.39	\$48,493.53
Grand Total (\$/yr)		\$82,361.39

VERIFICATION REPORT

CFC reviewed the Verification Report on September 23, 2025 by Dan Hintz to ensure it accurately reflects the documentation contained in the Year 4 Project Design Document Amendment and supporting documents.

VALIDATION CONCLUSION

I attest that all the information provided in this validation report is free of material misstatement, to the best of my knowledge. The project complies with the validation criteria outlined in the City Forest Credits Standard and Tree Planting Protocol Version 9.

Approved by City Forest Credits on September 24, 2025.