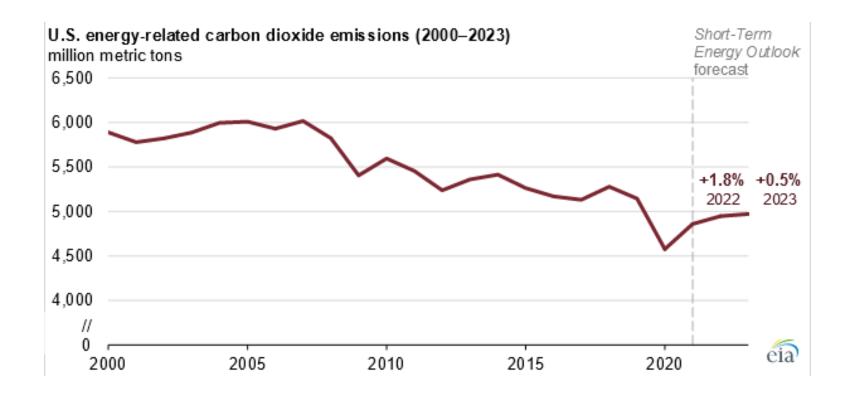


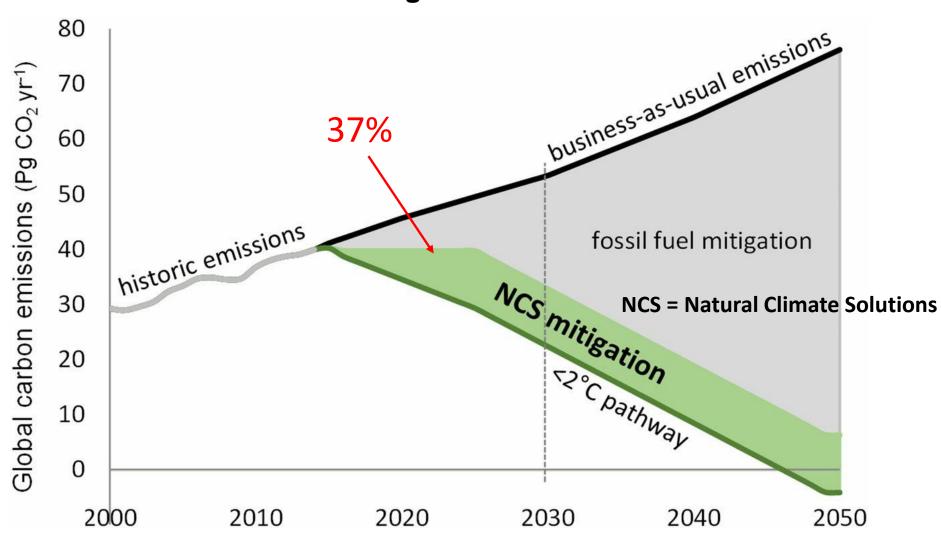


Some Good News Carbon Emissions Falling in the US

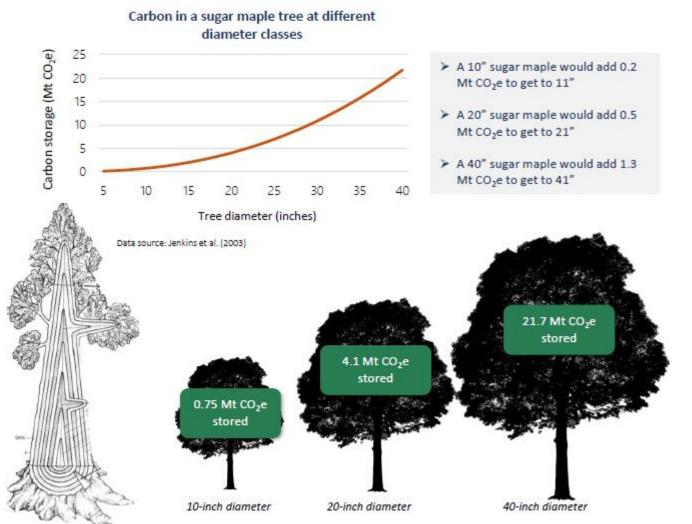


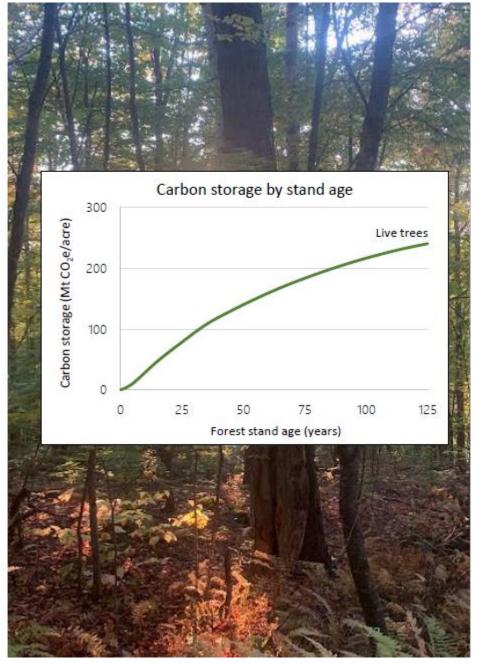


Contribution of Natural Climate Solutions to stabilizing warming to below 2°C



Carbon in a tree vs. forest





The Potential

Climate mitigation potential in 2025 (Tg CO₂e year⁻¹) Forests O 50 100 150 200 250 300 Reforestation Natural forest mgmt. Avoided forest conv. Urban reforestation Fire mgmt. Improved plantations

Climate mitigation potential and co-benefits of the different NCS pathways. Reproduced with permission from © PNAS





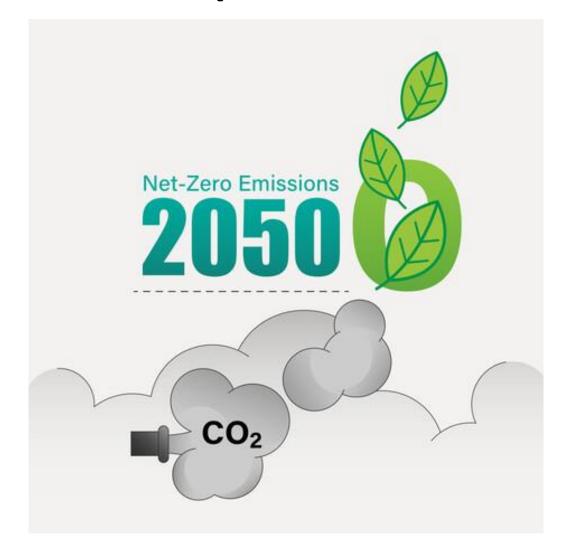
Selling Timber vs. Selling Carbon

Selling	Who Pays Landowner	For	That Go to
Timber	Logger	Trees harvested	A mill
Carbon	Project Developer (TNC/AFF, NCX, Core Carbon, Forest Carbon Works)	Adjusting and/or limiting timber harvesting – increased carbon storage	An end buyer



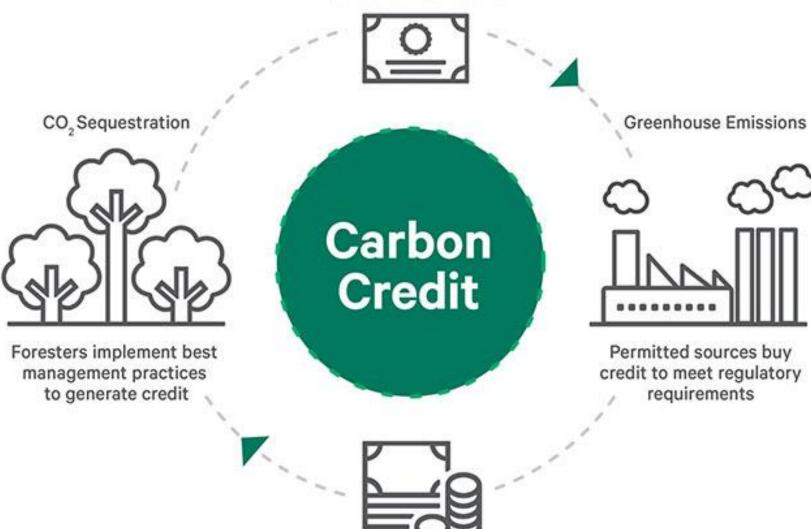


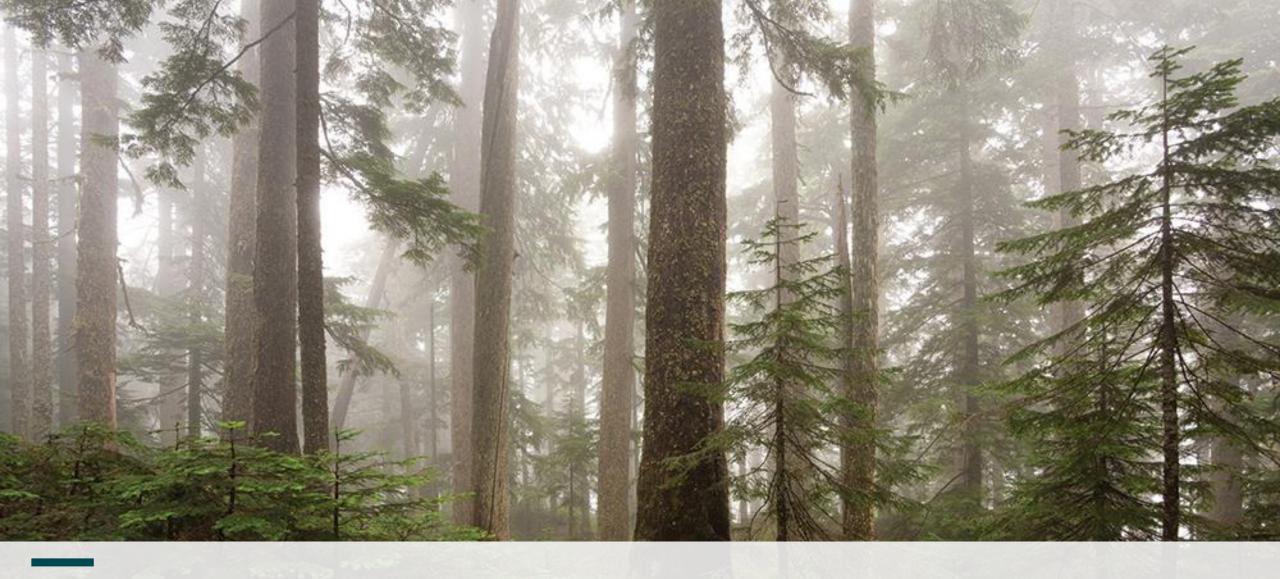
National and Corporate Commitments





Carbon Offset Credits





Family Forest Carbon Program



Family Forest Carbon Program - Goals

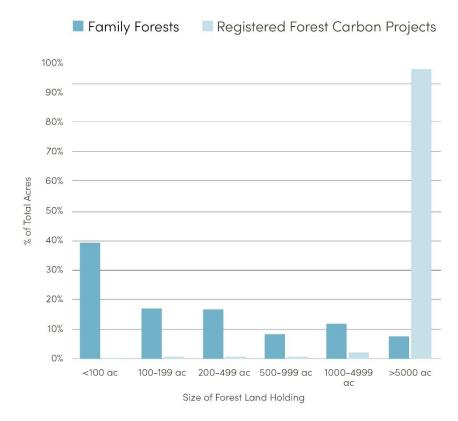
A new carbon program from the American Forest Foundation and The Nature Conservancy that supports family forest owners in improving forest health and addressing climate change, by helping owners of small forest parcels access carbon market opportunities.





Overcoming Barriers to Market Access

- Markets create value in keeping forests as forests and keeping them healthy
- Yet, forest ownerships of less than 1,000 acres account for 80% of the private acres but represent less than 1% of forest carbon projects
- Why? Due to complexity, high cost to participate, 100-year contracts







The Family Forest Carbon Program

The landowner signs a 20-year contract, and receives payment (~\$200/acre) in exchange for transferring carbon ownership to the project developer for 20 years.

Landowner receives payment even if carbon market prices decline.







Funding

Provides incentivizes to implement specific forest management practices that have been scientifically enhance carbon sequestration.

Support

Connects enrollees with natural resources professionals to provide technical assistance during site visits and through forest management plans.

Sustainability

Balances multiple benefits of forest management including timber production, enhancing wildlife habitat, and protecting water resources.

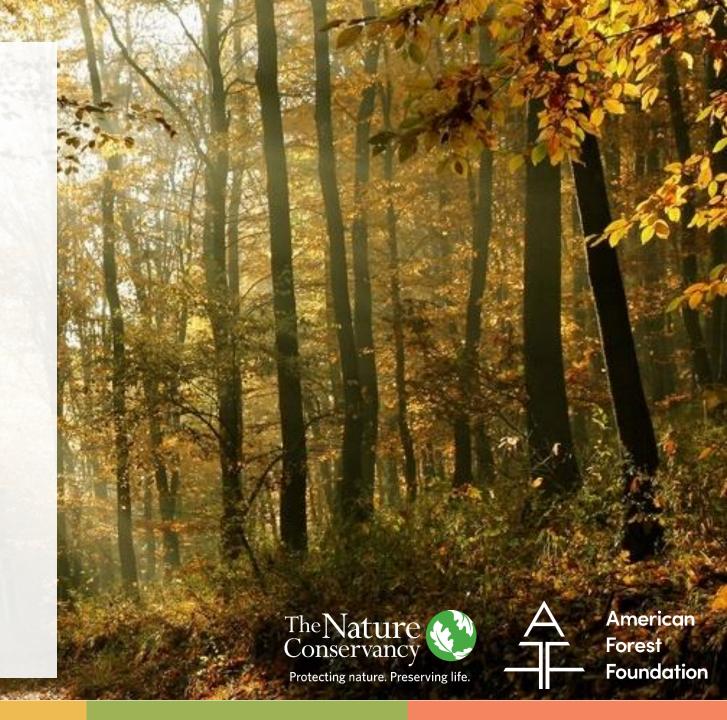




American Forest Foundation

Management Requirements

- Allow forest stand to mature by retaining highest quality trees
- Limited harvest or thinning allowed within sustainable guidelines
- Results in more valuable timber and improved habitat after 20 years



Requirements

- no more than 25% of the property area's basal area per acre being removed
- no more than a 10% reduction in the average stand diameter
- 50-ft buffer zones around water bodies



Technical Support from Forest Professionals

- Compatible with existing programs like EQIP, Ohio Tree Farm, but not right for every landowner
- Forest management plan (if needed) tailored to landowner's goals and program requirements
- Professional guidance for improving forest health







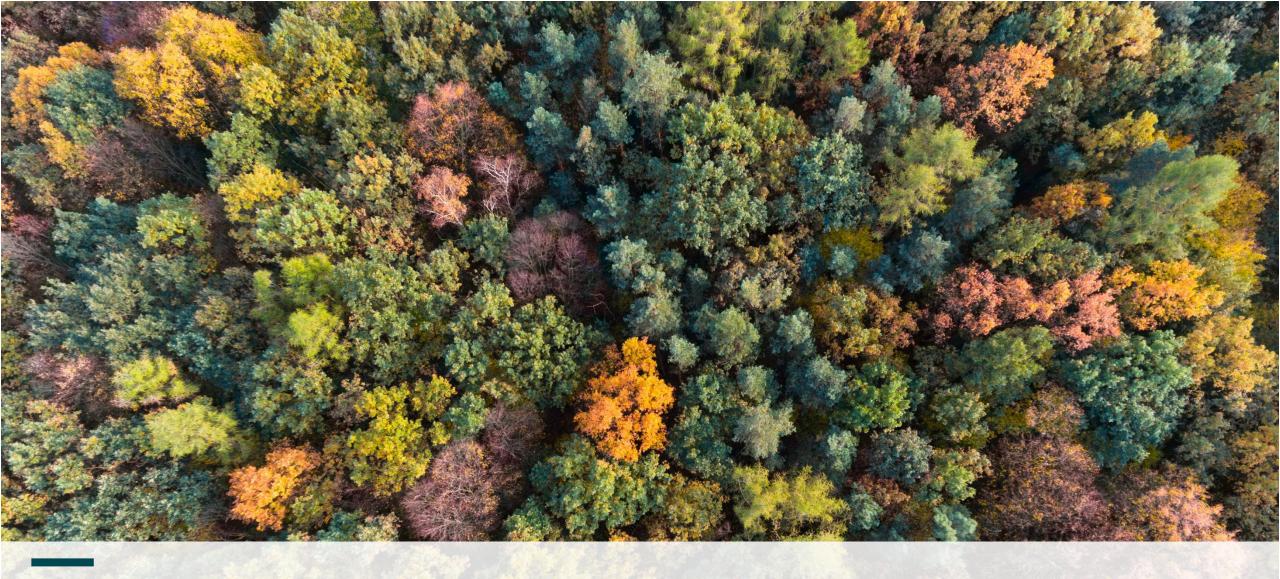
Carbon Accounting Rooted in High Integrity

- Created new forest carbon accounting methodology that increases accuracy and credibility.
 - Dynamic Baseline approved by Verra's Verified Carbon Standard in 2022
- AFF and TNC remain committed to continual program improvement and refinement
- Carbon only sold to buyers that are already reducing emissions and have decarbonization plans









Enrolling Land in the Family Forest Carbon Program





Landowner Eligibility

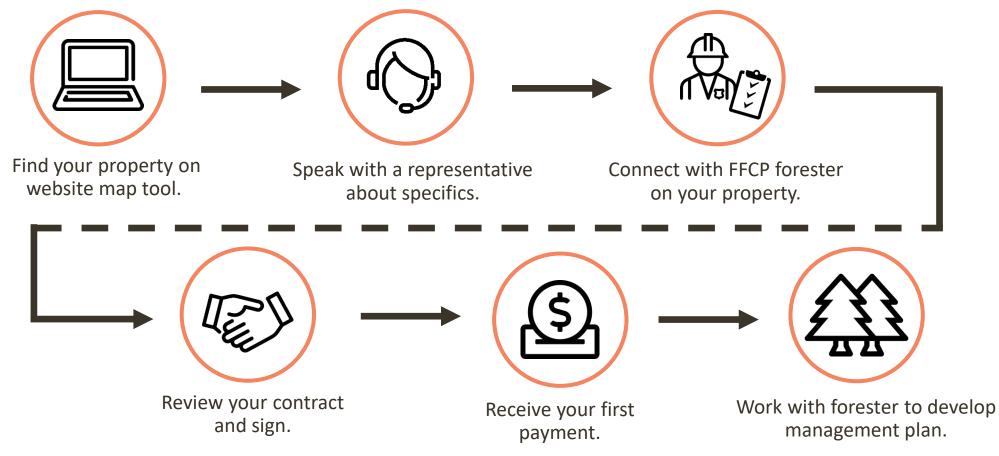
- Private landowners with at least 30+ contiguous forested acres within an eligible county (Appalachian Plateau Region) in early 2023
- Forests originating from natural regeneration (plantations are ineligible)
- No existing legal restrictions on timber harvest activity (local ordinances, conservation easement, designated no harvest areas)







How to Enroll



Get started at www.familyforestcarbon.org





What are landowners saying about the program?

"I'm finding the expertise and support I have needed." "We would have had to cut more trees to pay our taxes and keep the land without this program." "I wanted to be a good steward of the land, and this program is helping me do so." "Our farm is our business, and we are finding our trees are a valuable asset."













American
Forest
Foundation

Other Carbon Project Developers in Ohio

Developer	contact	Notes
NCX	www.ncx.com	1 year contact, harvest deferral,
Forest Carbon Works	Forestcarbonworks.org	100 year contracts, 40 acre minimum, harvest limits
Core Carbon	Corecarbon.com	25 year contract, 40 acre minimum, not yet enrolling





- 1. How long is the contract?
- 2. What can I do and what can't I do with my land while the contract is in place? If I have questions, who do I call?



- 3. What happens if I sell the land or transfer the land to my heirs before the end of the contract?
- 4. How much will I be paid, and what is the schedule of payments?



- 5. Will people need to come on my property? If so, how often, for how long, and what will they be doing?
- 6. What happens if there is a catastrophic event that kills trees on my land that is not my fault?



- 7. What happens if I am the victim of timber theft?
- 8. What happens if conditions change unexpectedly and I need to manage my forest in ways that violate the contract?



9. What happens if you (the project developer) or the carbon market goes away/goes bankrupt in the middle of my contract?



10. If I enroll in this carbon project, can I later switch to a different carbon project with a different project developer?



11. What information (data) about my land will become public information? What will remain private? At the end of the project, what will happen to the public data/information? Can I take any additional steps to protect my privacy?





Tom Rooney, Sustainable Forestry Director,
The Nature Conservancy - Ohio
Tom.Rooney@tnc.org





American Forest Foundation

Establish Baseline

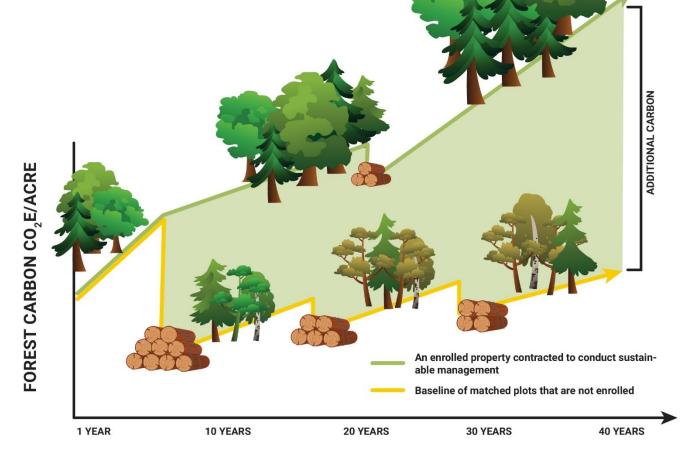
Baseline
established by
matching enrolled
plots to highly
similar plots
outside of
program.





Compare Actions in Real Time

Carbon benefit calculated by comparing enrolled properties that are employing improved forest management to properties outside the program.





Carbon Benefit of Program

Carbon benefit calculated at a landscape scale.

