

Introduction to Carbon Markets

October 5, 2023



But First A Few Key Terms

- **Net Zero:** a target of completely negating the amount of greenhouse gases produced by human activity, to be achieved by reducing emissions and implementing methods of absorbing carbon dioxide from the atmosphere.
- **Carbon Offset:** occurs when an individual company or organization directly or indirectly (by funding projects in other locations) removes greenhouse gases from the atmosphere or prevents a certain quantity of greenhouse gases from being released. One carbon offset is equivalent to removing or preventing 1 metric ton of CO₂ from entering the atmosphere.
- **Natural Climate Solutions:** conservation, restoration, or improved land management actions that increase carbon storage or avoid greenhouse gas emissions in landscapes and wetlands across the globe¹

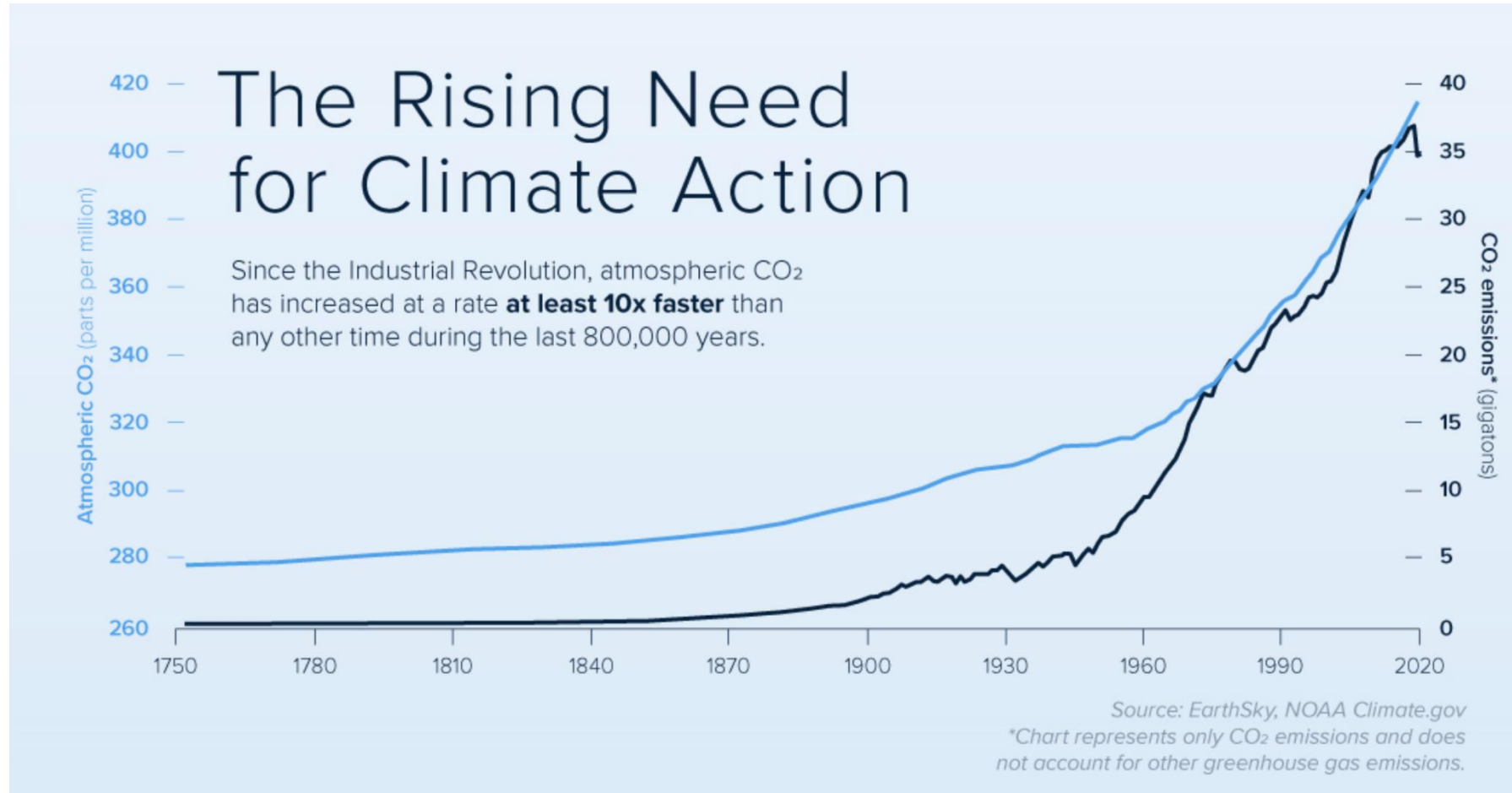
Summary

- Why The Focus On Reaching Net Zero?
- Why Choose A Natural Climate Solution?
- Why Is Working Alongside Landowners Key?

Why The Focus on Reaching Net Zero?

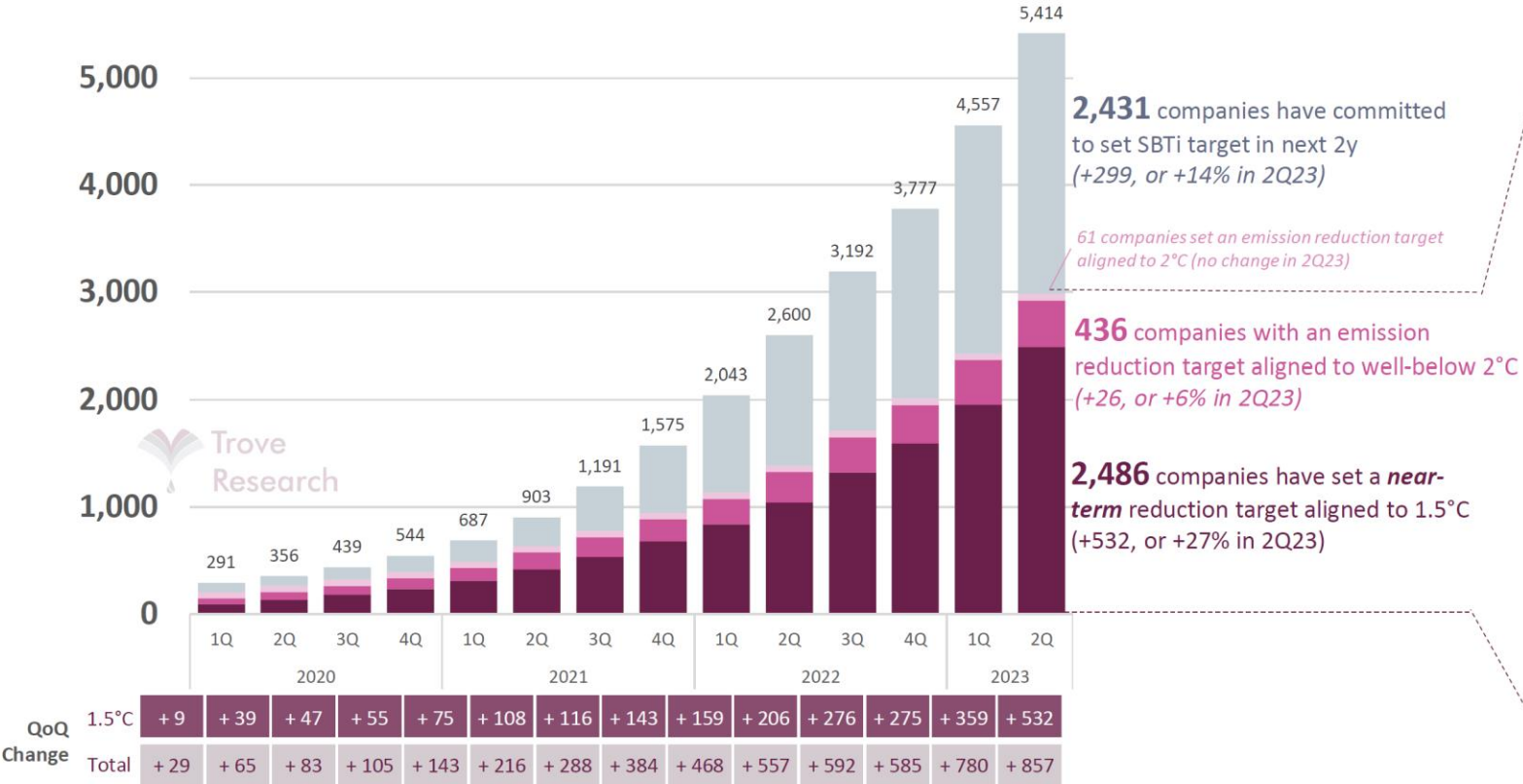


The Back Drop



Growing Commitments to Net Zero

Number of companies with SBTi commitments



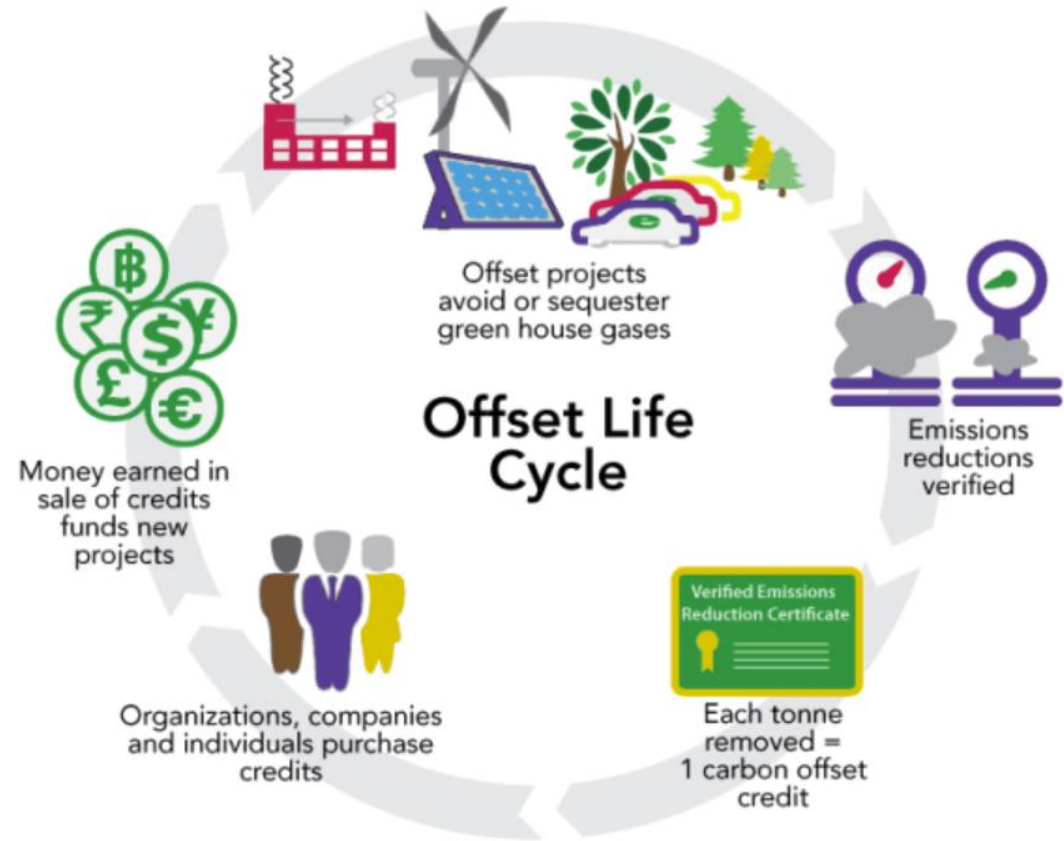
Source: Trove Intelligence

730 of these companies have also committed to SBTi's net zero standard (+119 in 2Q23)

Example firms validated last quarter:

Achieving Net Zero

- Tandem approach to reaching net zero operations
 - Reduce emissions
 - Offset remaining emissions
- Offsets can be sold on carbon markets
 - Voluntary market
 - Compliance markets

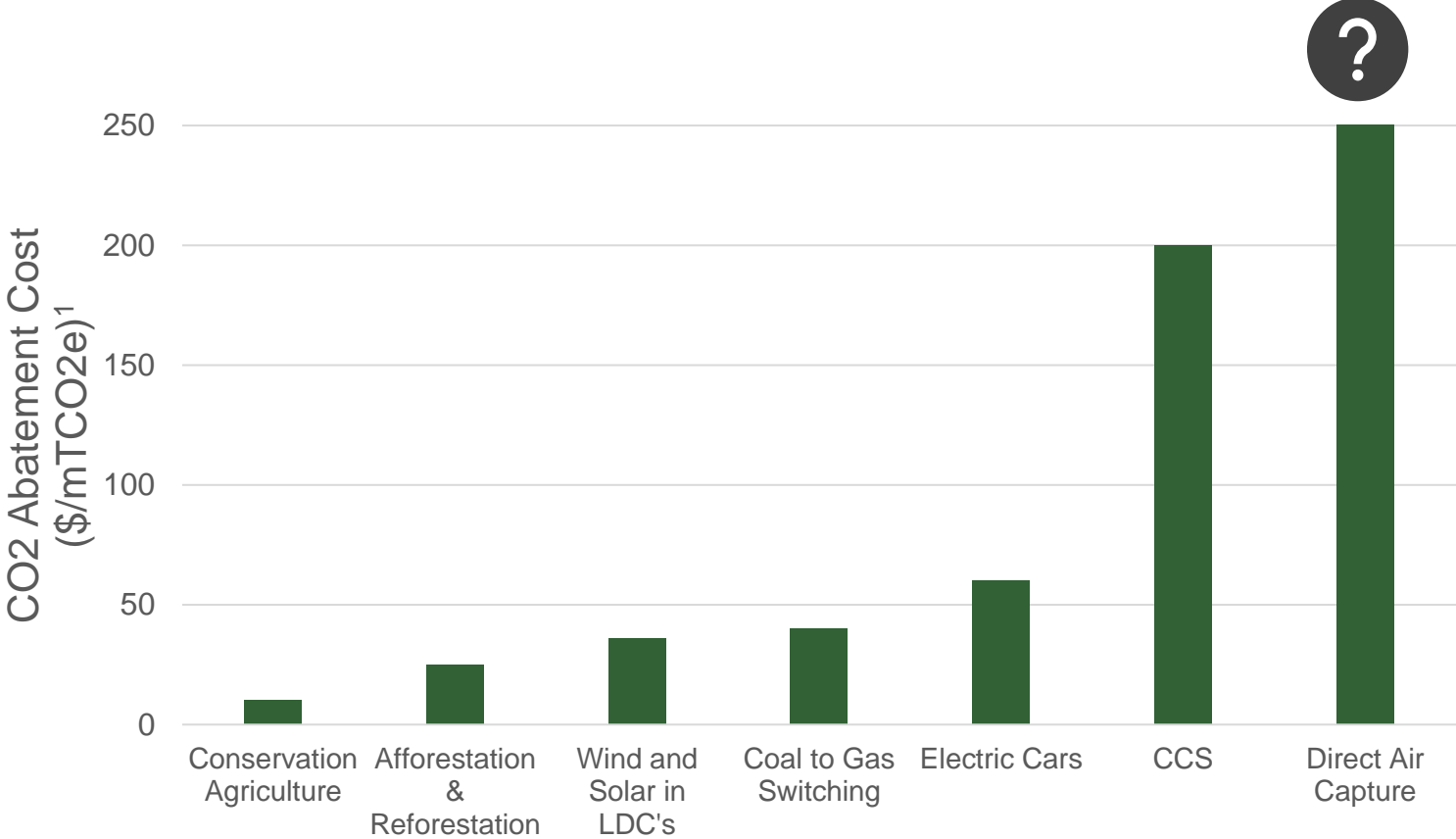


Why A Natural Climate Solution?



Natural Climate Solutions

- Low Cost
- Technology Ready
- Scalable
- Environmental co-benefits



? Direct Air Capture technology is still largely in the R&D stage. Reported abatement costs range from \$100/ton to \$1000/ton. Commercial scale costs are still unknown.

Natural Climate Solutions in Oklahoma

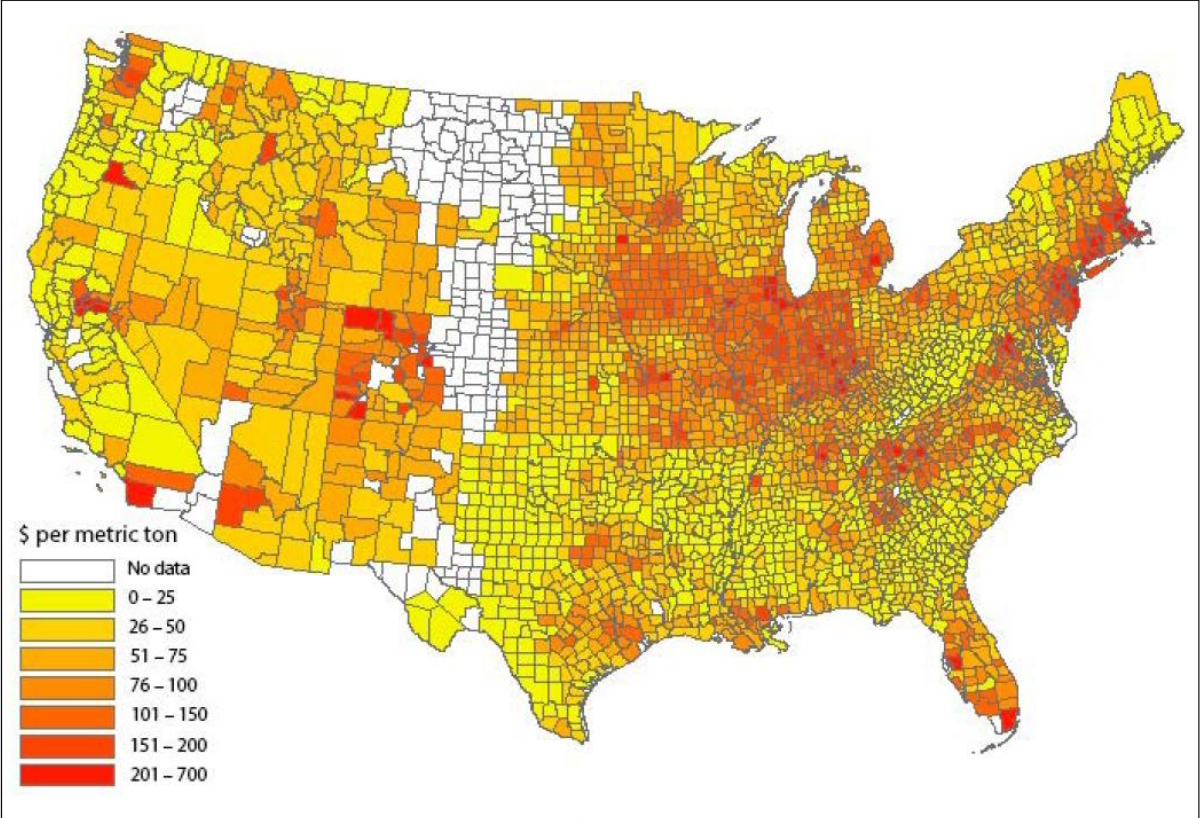


Figure 6—Average carbon sequestration costs with periodic harvesting (\$ per metric ton).

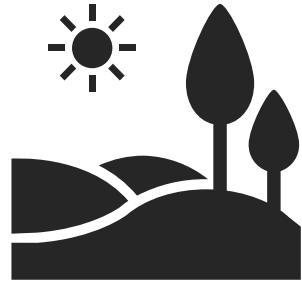
- Lower cost to re-establish forests
- Lower cost to generate carbon offsets

CO2 Sequestration Cost For Reforestation and Afforestation (\$ per mTCO2e)¹

Natural Climate Solutions in Oklahoma



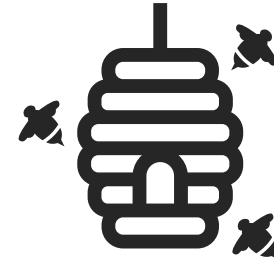
3 Million Acres of Oklahoma Used To Be Forests¹



Lower Cost to Re-Establish Forests²

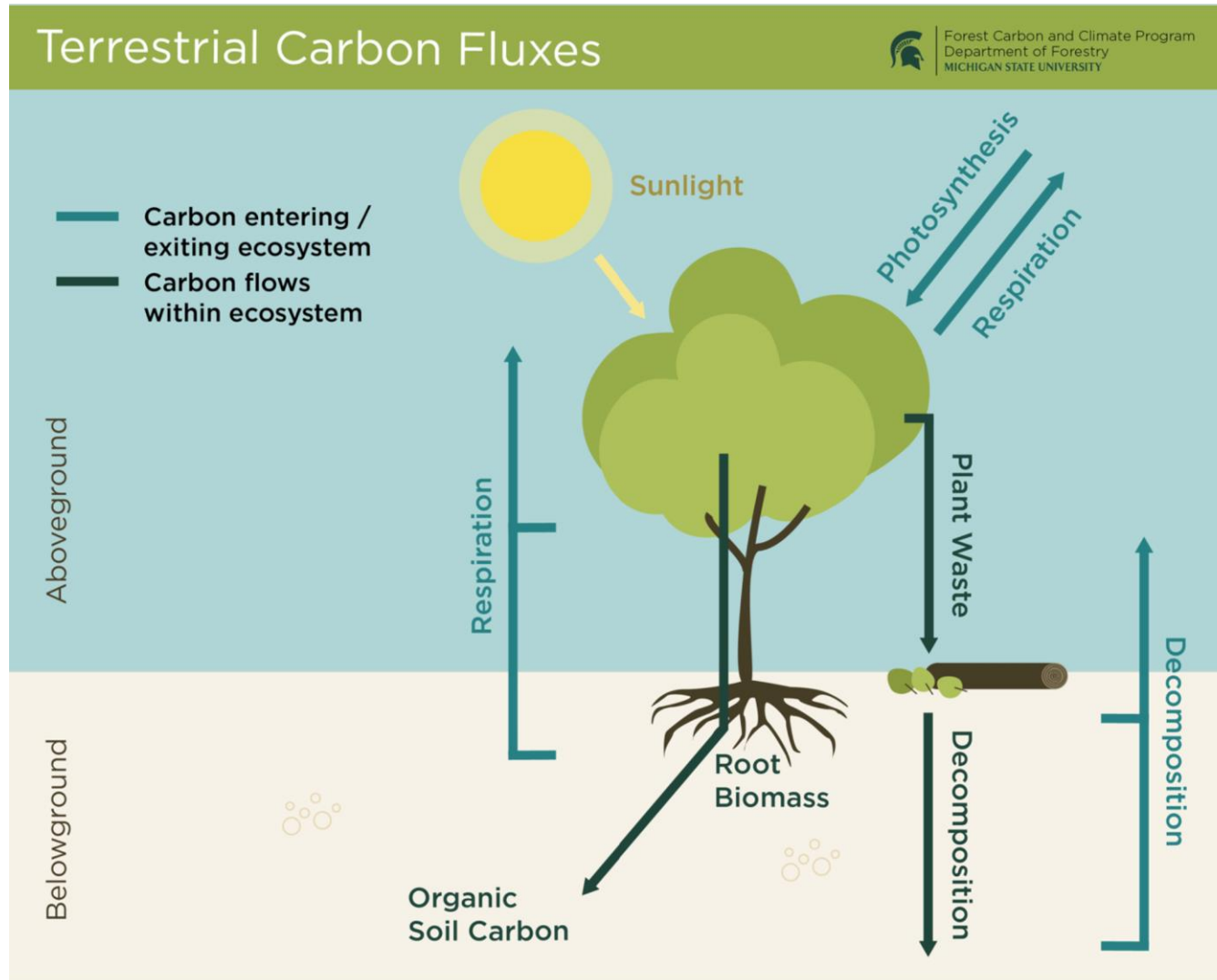


Improvement Of Local Air Quality, Soil Health, And Water Retention



Protection And Creation Of Wildlife Ecosystems Within Oklahoma

Where Is The Carbon Stored?



- Tree is approximately 50% carbon by dry tree weight
- One acre of densely planted loblolly pines could sequester 1.5 to 2 tons of carbon per year
 - 5 to 7 mtCO₂e per year

Why Is Working Alongside Landowners Key?



Working Alongside Landowners

- **Natural Climate Solutions:** conservation, restoration, or improved land management actions that increase carbon storage or avoid greenhouse gas emissions in landscapes and wetlands across the globe¹
- Landowner priorities
- Landowner knowledge and expertise
- Landowner community
- Landowner passion

Questions?

- Contact Jenny Hellman at jhellman@renewwest.com