

2022 North American  
Biochar & Bioenergy  
Conference  
August 10, 2022





For over 100 years society has been extracting and burning hydrocarbons... oil and gas as well as coal.

The ramifications can no longer be ignored.

*Change is necessary.*

Methane emissions need to be dramatically reduced globally, and the carbon cycle brought back into balance. In addition, there are millions of wells and mines that need to be properly plugged and the surface remediated to restore our environment.

*We can make a difference.*



**OFX *Eco*Solutions is creating an *SDG*-focused culture that recognizes today's critical environmental challenges call for bold thinking, innovative methodologies and a commitment to restoring nature's carbon balance.**

**We deliver novel solutions through reclamation, carbon avoidance, carbon removal and storage.**

**Many of those solutions incorporate biochar.**

**The environmental challenges have been identified and at OFX EcoSolutions, we are uniquely positioned to provide solutions that successfully address them.**

### **THE ABANDONED WELL AND MINE EPIDEMIC**

Federal, state and local governments, as well as oil and mining companies, are beginning to address the environmental impact from millions of abandoned wells and mines.

### **ORGANIC WASTE DISPOSAL NEEDS**

Municipalities and companies are seeking creative ways to beneficially reuse mounting organic waste streams without the negative impact of landfilling and burning.

### **CARBON DIOXIDE REMOVAL AND AVOIDANCE**

The need to AVOID and REMOVE CO<sub>2</sub> from our atmosphere and demand for carbon offsets continues to grow at record rates.

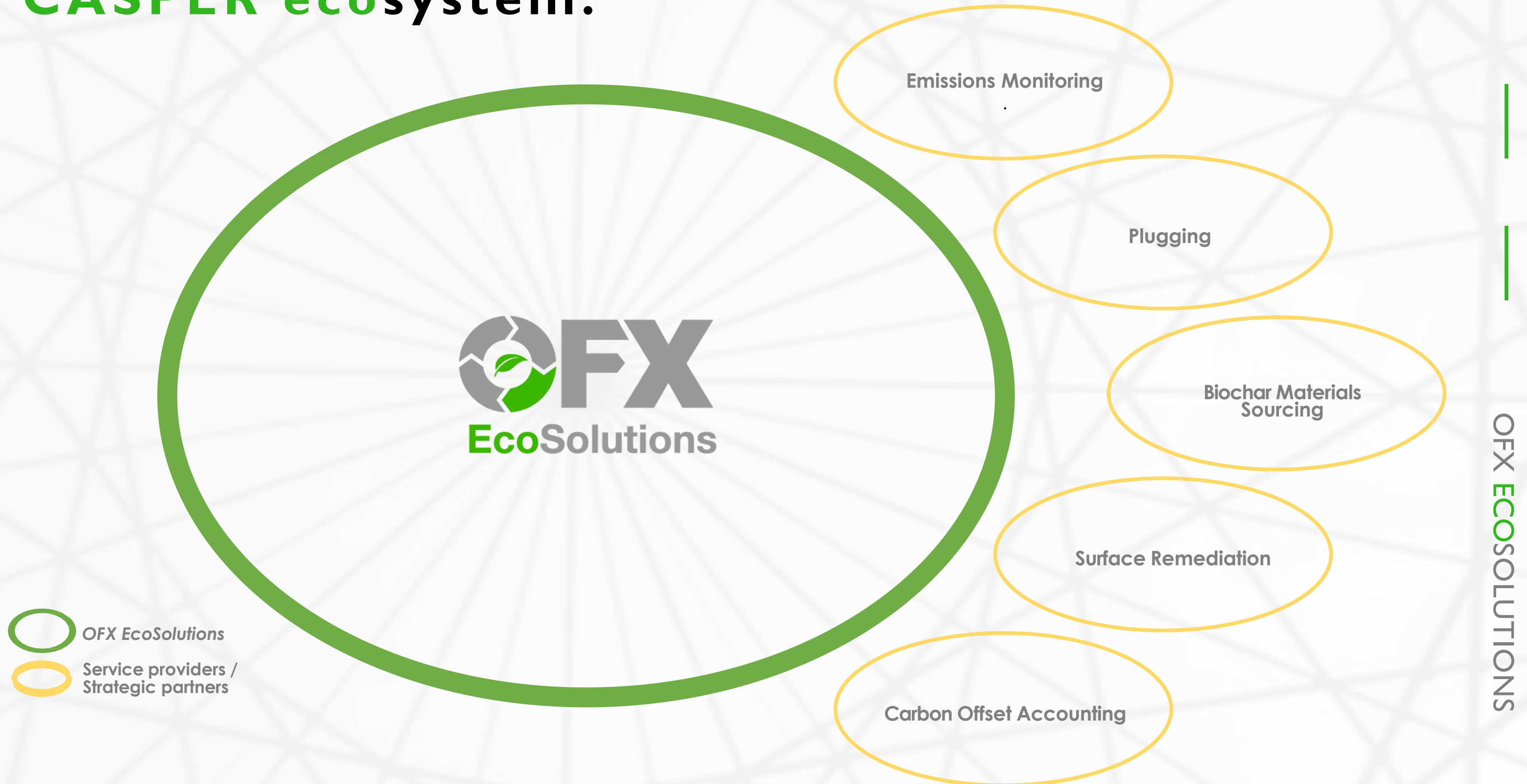




# By incorporating biochar in our methodologies, OFX **Eco**Solutions successfully addresses all 3 of these challenges simultaneously.


- ❑ A proprietary methodology and two patents pending relating to the plugging and environmental remediation of wells and the surrounding surface areas.
- ❑ Incorporating local waste streams into the production of biochar eliminates a source of carbon dioxide emissions while creating carbon rich materials used to remediate wells.
- ❑ Use of C-sink certified biochar allows us to develop high value carbon REMOVAL offsets once we sink that carbon in and around the well sites. Next up, generating carbon AVOIDANCE offsets with new verified methodologies.

**Proprietary Approach to Plugging Wells -  
Our network of strategic partners is the foundation  
of our **CASPER** ecosystem.**



-  OFX EcoSolutions
-  Service providers / Strategic partners





# Utilizing biochar in our regenerative remediation processes is a game-changer on multiple levels.

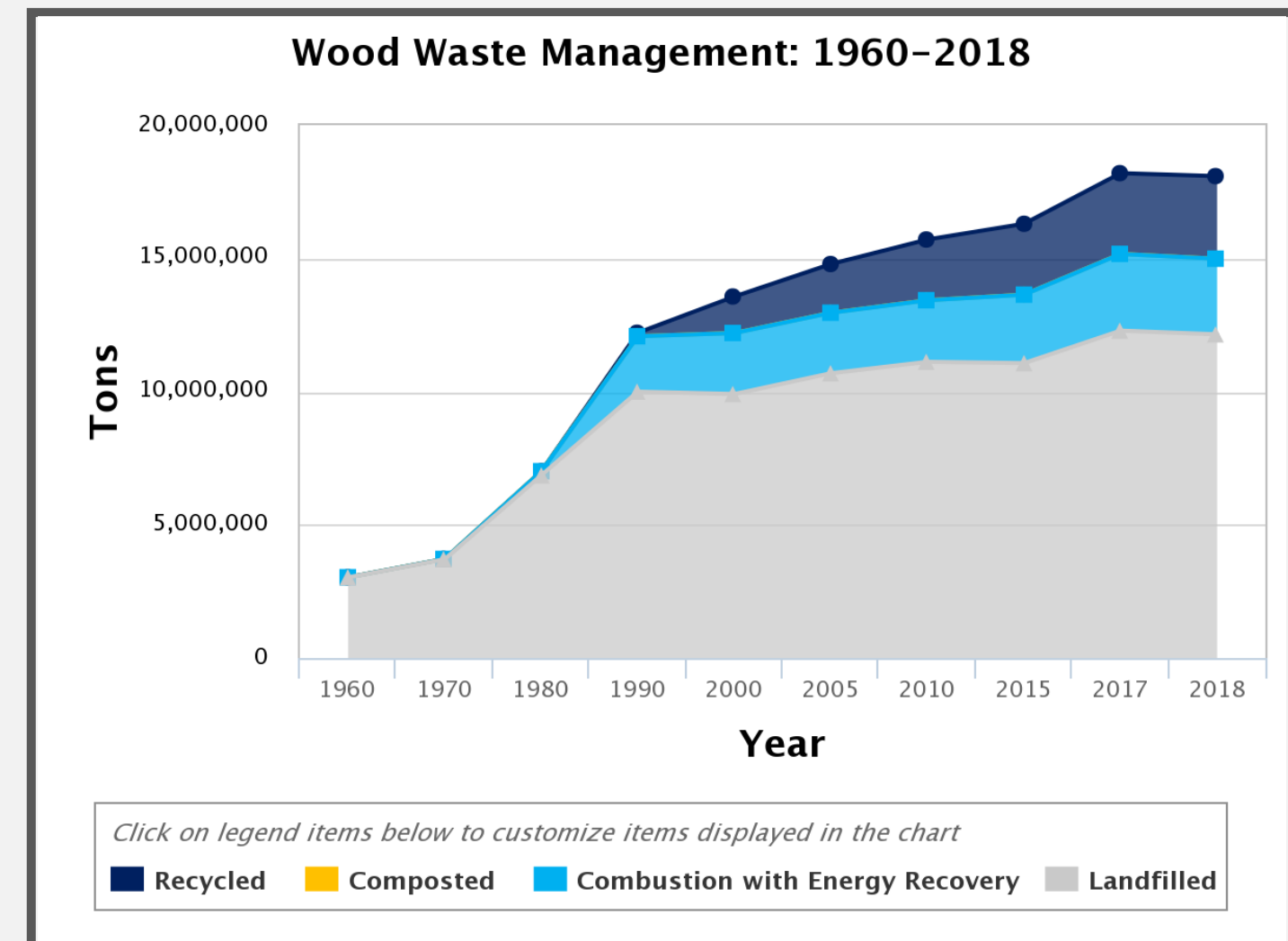
- Disposition of localized biomass waste streams occurs through the pyrolysis process and disposition (SDG-qualifying)
- Pyrolysis, the process that makes biochar, converts labile carbon into a more durable carbon. (emissions avoidance)
- Biochar has unique adsorptive characteristics ideal for the remediation of hydro-carbon contaminants. (SDG-qualifying)
- *Puro.earth* and other global offset platforms are trading carbon removal offsets produced by certified producers within our network. Carbon removal offset creation. (carbon removal)



# Biomass waste removal is now seriously challenging both municipalities and industry.

Utilizing wood waste, forestry waste and crop residues to produce biochar generates multiple benefits:

- Reduces biomass waste impact on local landfills
- Reduces forest fire risks (fuel removal)
- Reduction in emissions from decomposition
- Plentiful feedstock for biochar production
- Durable carbon removal offsets
- Satisfies SDG and ESG mandates

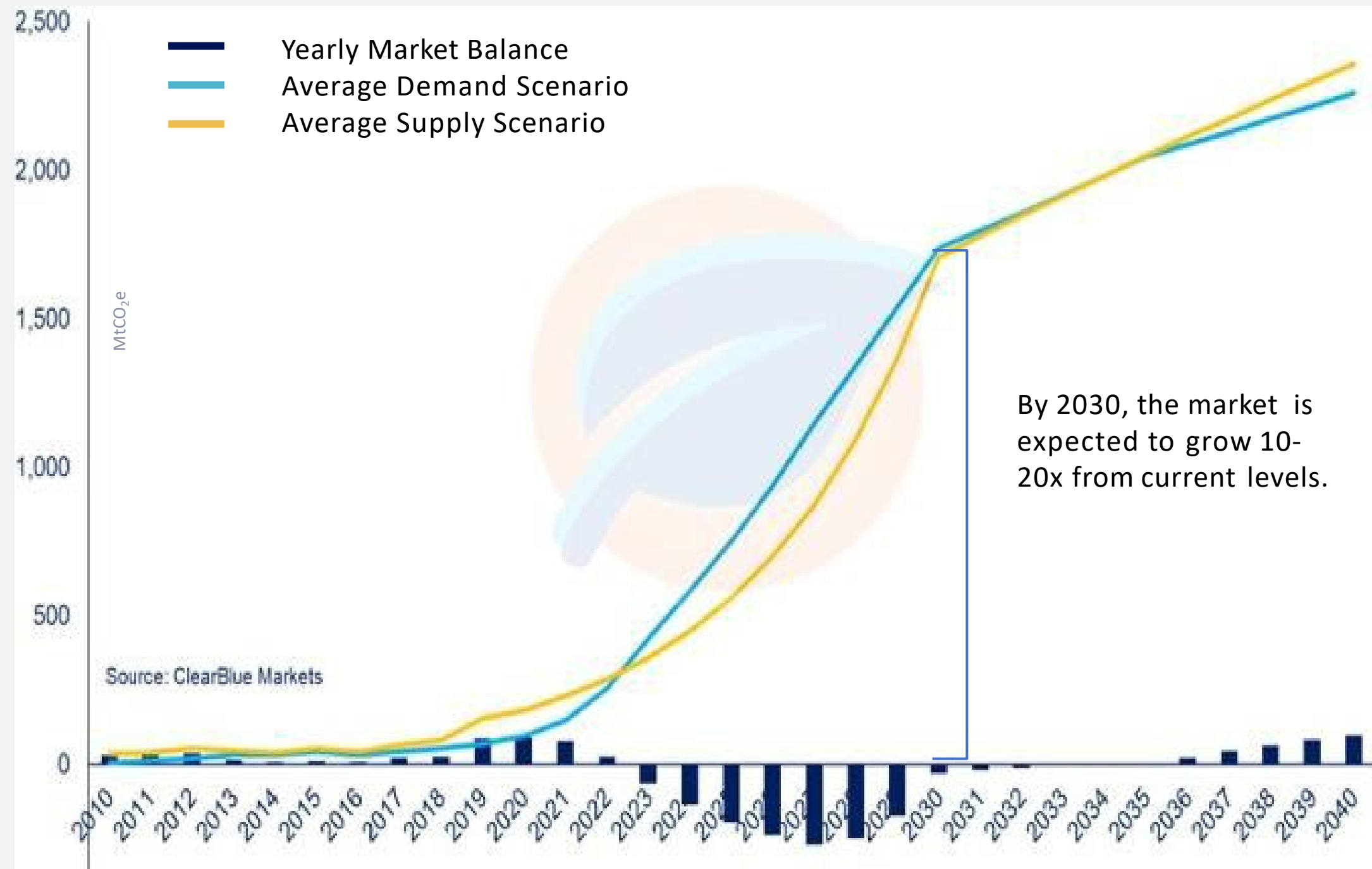


SOURCE: <https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/wood-material-specific-data>



# Voluntary carbon offset markets are poised for growth.

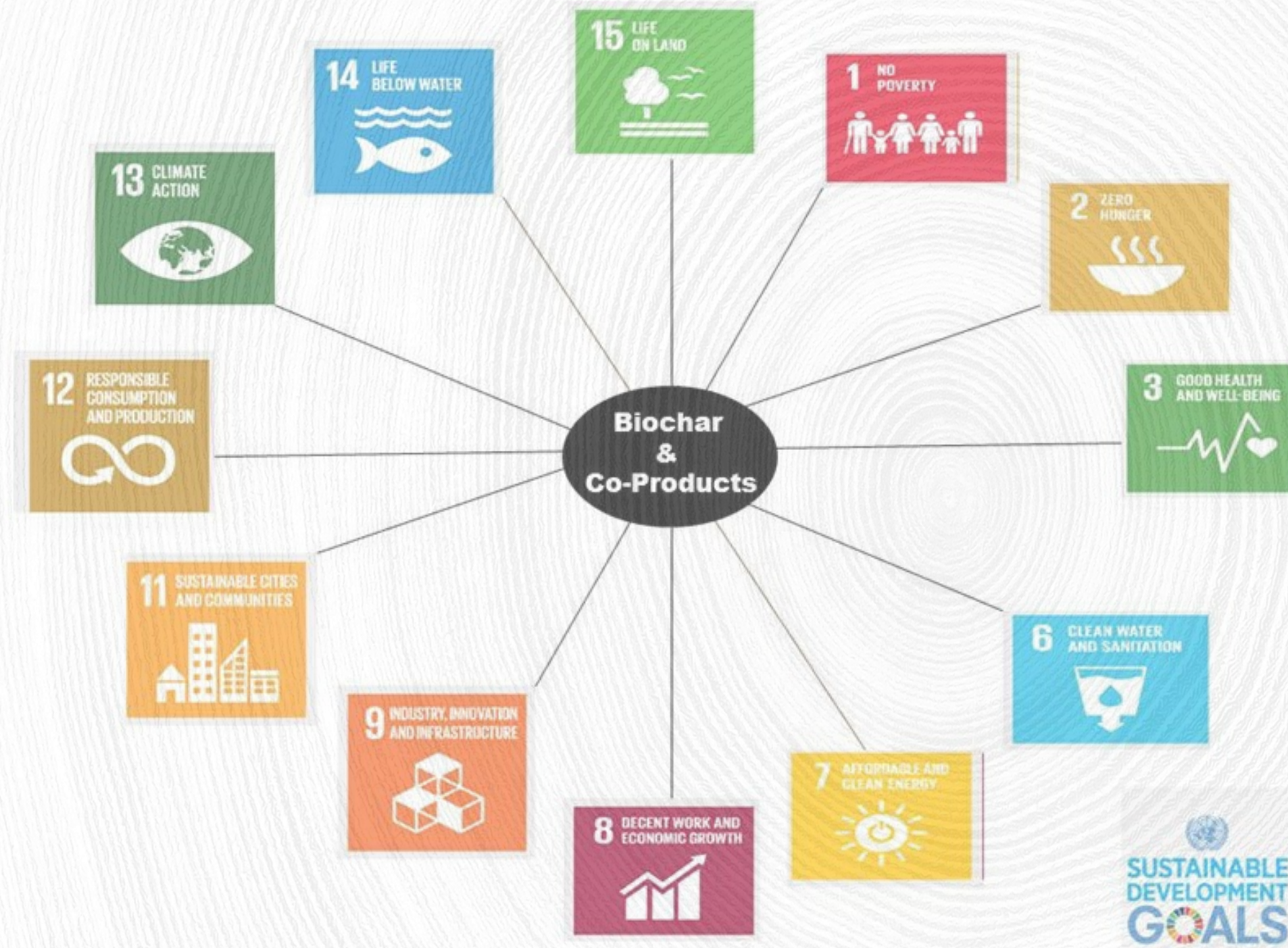
## Biochar can play a big part in that.



*Demand is expected to outpace supply in the near term due to several factors including the complexity of scaling up, geographic concentration of nature-based projects, registry bandwidth, limited data tracking, etc.*



# By incorporating our process, we can deliver multiple U.N. Sustainability Goals to our clients.



Source: Finger Lakes Biochar



# We are developing a carbon **ecosystem** unlike any other.

- Our Joint Venture efforts continue to expand our critical web of relationships necessary to create the first-of-its-kind carbon ecosystem.

- Our strategic partners enable us to act as a unique collaborator with the potential to deliver numerous UN Sustainable Development Goals across our entire network.

- We have the critical components necessary to develop valuable carbon avoidance and removal offsets while supporting the tasks of plugging and remediating a well site in a much more environmentally beneficial way than traditional standards.

- We have in place emissions detection and monitoring, carbon-rich material sources, and globally respected carbon trading platforms, ready to go.

- Our clients, strategic partners, and the communities in which we operate all benefit from the multiple sustainable goals met by our processes.



THANK YOU for the  
opportunity to present.

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