

Carbon Management

Carbon Dioxide (CO₂) is a naturally occurring greenhouse gas that has existed in the atmosphere since the beginning of time; however, the concentration of atmospheric CO₂ has risen by more than 30% since the Industrial Revolution and is believed to be the cause of world-wide climate change. Although the amount of CO₂ that is released into the atmosphere has increased in recent time, so has the implementation of sustainable forestry practices. Everyday more and more landowners are beginning to practice sustainable forestry in an effort to improve the overall health and productivity of their property for future generations. By implementing this type of active forest management, landowners are helping to reduce the amount of CO₂ in the atmosphere through the process of Carbon Sequestration.



Carbon Sequestration is the process in which trees absorb CO₂ from the atmosphere during photosynthesis and store it as biomass, in the form of foliage, branches, stems, and roots. Since trees use this carbon to form biomass, they have the capability to store it for long periods of time, preventing the carbon from reentering the atmosphere. Although some of the carbon that is stored in the form of biomass will eventually be released back into the atmosphere, a large portion of it will be stored permanently. The most common way that carbon is stored permanently is through the creation of solid wood products such as lumber. Carbon that is captured by a tree as it grows will remain in these wood products as long as they exist in their solid form.

Although the process of carbon sequestration has always occurred, it was not until recently that it was discovered that the carbon stored by trees could be used to offset the carbon produced by industrial activities. It was then that the carbon stored by trees became known as “Carbon Credits”. As this concept has evolved, more and more industrial companies are beginning to purchase carbon credits in an effort to reduce their carbon footprint by offsetting the carbon that is released into the atmosphere during the production of their goods and services. By purchasing Carbon Credits from landowners, these companies are able to obtain carbon neutrality and present themselves as “Green”, environmentally friendly companies. This concept has also created a new source of income for landowners, by allowing them to market the carbon credits that are produced on their property.

One of the most unique aspects of this program is that it gives landowners an opportunity to obtain income from pre-merchantable timber stands. In fact, due to their accelerated growth rates and lack of competition, one of the most productive stand types for Carbon Credits are pre-merchantable pine plantations. Because of these characteristics, pre-merchantable pine plantations are ideal for landowners looking to maximize their return from the sale of Carbon Credits.



Mid Star Timber Harvesting, Inc. is now a Licensed Carbon Aggregator in the State of Alabama with the ability to manage and market the Carbon Credits that are produced by landowners throughout the State. Through our exclusive partnership with Southeast Carbon LLC, Mid Star has become a full service Carbon Management Firm with the ability to provide landowners with an additional source of revenue through the sale of Carbon Credits that are produced on their property. Mid Star is capable of providing complete Carbon Management Services for both private and industrial landowners, and can assist forestry consultants and land managers with the development of a Carbon Emission Reduction Project for their land base. Mid Star can also create a custom forest management plan for your property that will help you maximize the productivity of your forestland for both carbon sequestration and timber production.

If you are interested in developing a Carbon Emission Reduction Project for your property, contact Mid Star Timber Harvesting, Inc. for more information.

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