

Preserving Trees Becomes Big Business, Driven by Emissions Rules

Publication info: Dow Jones Institutional News ; New York [New York]23 Aug 2020.

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FULL TEXT

By Ryan Dezember / Photographs and video by Brett Carlsen for The Wall Street Journal

GRUNDY COUNTY, Tenn. – For much of human history, the way to make money from a tree was to chop it down. Now, with companies rushing to offset their carbon emissions, there is value in leaving them standing. The good news for trees is that the going rate for intact forests has become competitive with what mills pay for logs in corners of Alaska and Appalachia, the Adirondacks and up toward Acadia. That is spurring landowners to make centurylong conservation deals with fossil-fuel companies, which help the latter comply with regulatory demands to reduce their carbon emissions.

For now, California is the only U.S. state with a so-called cap-and-trade system that aims to reduce greenhouse gasses by making it more expensive over time for firms operating in the state to pollute. Preserving trees is rewarded with carbon-offset credits, a climate-change currency that companies can purchase and apply toward a tiny portion of their tab.

But lately, big energy companies, betting that the idea will spread, are looking to preserve vast tracts of forest beyond what they need for California, as part of a burgeoning, speculative market in so-called voluntary offsets. One of the most enthusiastic, BP PLC, has already bought more than 40 million California offset credits since 2016 at a cost of hundreds of millions of dollars. Last autumn, the energy giant invested \$5 million in Pennsylvania's Finite Carbon, a pioneer in the business of helping landowners create and sell credits. The investment is aimed at helping Finite hire more foresters, begin using satellites to measure biomass and drum up more credits for use in the voluntary market.

BP has asked Finite to produce voluntary credits ASAP so they can be available for its own carbon ledger and to trade among other companies eager to improve their emissions math. As part of its shift into non-fossil-fuel markets, BP expects to trade offset credits the way it presently does oil and gas.

"The investment is to grow a new market," said Nacho Gimenez, a managing director at the oil company's venture-capital arm. "BP wants to live in this space."

By paying landowners not to cut, companies can say they are responsible for having locked up a specific amount of carbon in the standing trees, calculable to the metric ton. It's great for public relations, meeting carbon-reduction targets and courting investors who are shoveling money into funds that promise to invest with ecological and social responsibility in mind.

Old-growth forests are also a defense against wildfires, because they are less susceptible than the scrubby growth that fills in after a clear-cut.

Skeptics contend the practice does little to reduce greenhouse gases: that the trees are already sequestering carbon and shouldn't be counted to let companies off the hook for emissions. They argue that a lot of forest protected by offsets wasn't at high risk of being clear-cut, because doing so isn't the usual business of its owners, like land trusts, or because the timber was remote or otherwise not particularly valuable.

"It isn't adding to the carbon balance one jot," said Duncan McLaren, a Lancaster University professor who studies climate engineering. "What it is doing is validating the emissions."

This trade in standing trees is the latest market-based effort to curb pollution. Cap-and-trade was deployed to reduce acid rain after President George H.W. Bush signed amendments to the Clean Air Act that limited sulfur dioxide emissions from power plants. Lawmakers during the Obama administration pitched a federal cap-and-trade system to reduce greenhouse gases and slow global warming, but the plan stalled amid debate over costs and its effectiveness in dealing with a world-wide problem.

California forged ahead, setting caps on emissions, which become stricter over time, and creating a corresponding number of allowances. Refiners, fuel importers and utilities vie for the allowances at auction and turn them over to regulators to cover their emissions. Quebec linked its own program with California's in 2014. The European Union operates a separate emissions trading program.

The companies have the option of covering up to 4% of their emissions with less-costly offset credits, which California issues for capturing methane from dairies and mines, destroying ozone-depleting substances and, most popularly, preserving forests.

About 153 million forest credits have been issued, each representing a metric ton of sequestered carbon. They limit logging on about five million U.S. acres. That's a sliver of the 740-million-odd acres of U.S. forests and woodlands that aren't already reserved, but the amount of offset-protected property is growing fast.

More than \$1 billion has been paid to U.S. woodland owners not to cut, said Sean Carney, Finite's president. The most prolific of forest-offset firms, Finite has represented timberland owners including Maine's Passamaquoddy tribe, a Danish pension fund, a West Virginia coal concern and investment firms like the The Lyme Timber Co. Finite is surveying tracts in Minnesota's frigid peatlands, along Tennessee's Cumberland Plateau and elsewhere that will add hundreds of thousands of acres.

If other governments join California and institute cap-and-trade markets, voluntary offsets could shoot up in value. It could be like holding hot tech shares ahead of an overbought IPO. Like unlisted stock, voluntary credits trade infrequently and in a wide price range, lately averaging about \$6 a ton, Mr. Carney said. California credits changed hands at an average of \$14.15 in 2019 and were up to \$15 before the coronavirus lockdown drove them lower. They have lately traded for about \$13.

These days, voluntary offsets are mostly good for meeting companies' self-set carbon-reduction goals. BP is targeting carbon neutrality by 2050. Between operations and the burning of its oil-and-gas output by motorists and power plants, the British company says it is annually responsible for 415 million metric tons of carbon emissions. Finite was launched in 2009 by Mr. Carney and financial backers in anticipation of a shake-up of forest economics.

He was raised in the woods along the West Virginia side of the Ohio River, where his father worked for a coal company. He left for the University of Southern California and immediately missed the trees. "Like landing on the moon," he said.

Finite didn't earn a penny for four years. Mr. Carney gave up pay. He and other Finite employees traveled to the far corners to tell landowners about the coming carbon market.

Tribes and land trusts were early converts. In 2013, when California began issuing offset credits, Finite was at the front of the line with 19,104 trust-owned acres in eastern Maine.

Maine's Passamaquoddy raised more than \$30 million enrolling 98,532 acres. The tribe used the money to refinance its wild-blueberry business, build a sugar shack for its maple syrup operation, fund a housing program, start a suboxone clinic to fight opioid addiction and, when the coronavirus lockdown hit, stock the local food pantries, said Corey Hinton, a lawyer for the tribe.

BP paid more than \$100 million to Alaska Native corporation Sealaska Corp. to manage 165,077 acres under California rules.

Nonbelievers came around. "I once had a landowner tell me the first evidence he saw of climate change was the first check he got from Finite Carbon," Mr. Carney said.

Charleston, W.V.'s Rowland Land Co. was swayed by low hardwood prices. Though prices for softwood lumber, which comes from evergreens and is used to frame homes and for fences, have climbed to records this summer,

lumber from deciduous trees hasn't sold for so little since the housing crash. Rowland started out logging in 1886 but discovered coal in 1902.

"We've been mining coal for a long time and, like most land companies, we see the light at the end of that tunnel," Chief Executive David Pollitt said. "Pretty soon the coal will deplete and we'll be a timber company again."

California issued Rowland 1.9 million offsets covering 35,466 acres of mostly poplar and oak, a big boost during a period of poor prices for Appalachian coal. Plus, the offsets won't prevent Rowland from cashing in on fads in furniture, cabinetry and flooring.

Sellers can selectively cut so long as the felled trees' mass is less than what their woods have added since offsets were issued. Or they can sell additional credits against the growth.

"If we see a spike in demand for one species, we'll look around our properties and we'll find a patch of that and we'll cut it," Mr. Pollitt said.

Molpus Woodlands Group LLC of Jackson, Miss., is among the country's largest timberland investment-management organizations. Those are basically buyout firms, but for woods instead of companies. Molpus has century-old roots in a lumberyard, supplied ammo boxes for World War II and in the 1970s ran one of the country's largest sawmills. Now it is cranking out offsets.

Working with Finite, Molpus has produced offsets in Kentucky, Tennessee and twice in New York's Adirondacks. It is in the midst of registering California credits in Minnesota and on Michigan's Upper Peninsula.

A March trunk-measuring in Minnesota was postponed by the coronavirus pandemic and will have to wait until the bogs freeze again. The 167,174 acres near the Canadian border are poised to generate north of \$30 million for Molpus investors, said Dick Kempka, who worked for conservation groups before joining in 2017 to wring nontimber income from its lands.

"We're seeing more and more value from having the trees stay there longer," he said.

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August 23, 2020 13:09 ET (17:09 GMT)

DETAILS

Subject: Landowners; Shelter in place; Investments; Greenhouse gases; Energy industry; Emissions trading; Carbon; Timber; Prices; Forests; Coronaviruses; Climate change; Industrial plant emissions; Coal; Power plants

Location: United States--US Alaska Maine Minnesota Tennessee California Adirondack Mountains West Virginia

Publication title: Dow Jones Institutional News; New York

Publication year: 2020

Publication date: Aug 23, 2020

Publisher: Dow Jones & Company Inc

Place of publication: New York

Country of publication: United States, New York

Publication subject: Business And Economics

Source type: Wire Feeds

Language of publication: English

Document type: News

ProQuest document ID: 2436321737

Document URL: <http://libraries.maine.edu/mainedatabases/authmaine.asp?url=http://search.proquest.com/docview/2436321737?accountid=17222>

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Last updated: 2020-08-24

Database: Global Newsstream

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