

SUSTAINABLE FORESTRY STANDARDS



POLICY PROVISIONS	2019 IMPLEMENTATION PLAN	DESCRIPTION OF 2019 PLAN	2019 GOALS	MID-YEAR PROGRESS	
<p>A. THE FORESTS WE SOURCE FROM WILL REGENERATE AND NOT BE CONVERTED TO NON-FOREST USES</p>	<p>Restore forest cover on critical forest tract via replanting baldcypress.</p> <p>Develop and implement a land use change monitoring system for purchased tracts.</p>	<p>At one bottomland tract where we purchased low-value tupelo species in 2013 and 2015, forest has not yet regenerated. High rainfall and poor drainage led to sustained flooding in critical seedling germination period. Working with the landowners, we created and implemented a restoration plan to return it to its forested state.</p> <p>To augment manual verification of our commitment to purchase wood only from sites that are reforested post-harvest, we will establish a satellite-based system for checking the regeneration status of sites from which we have purchased wood.</p>	<p>Complete replanting plan and prepare for groundwork for replanting mature seedlings at the site in early 2020.</p> <p>Develop and implement enhanced methodology for land use change monitoring by the end of 2019.</p>	<p>Finalized replanting plan. The seedlings are mature with anticipated planting in winter.</p> <p>Read more.</p> <p>Engaged a firm to develop machine learning algorithm for assessing forest regeneration status at tract level. Model development is underway with anticipated functionality in October.</p>	<ul style="list-style-type: none"> ■ Not Achieved: No measurable progress or backsliding on goals ■ In Progress - Behind Schedule: Fell short of incremental goal ■ In Progress - On Schedule: Met incremental goals ■ In Progress - Ahead of Schedule: Exceeded incremental goal ■ Achieved: Met all goals
<p>B. WATER QUALITY PROTECTED</p>	<p>As part of our Track & Trace® program, Enviva requires ongoing supplier conformance to state BMP guidelines, and monitors compliance through periodic site audits.</p>	<p>Continue our rigorous system of audits that rate our suppliers' conformance to state BMP requirements, and maintain commitment to 100% compliance.</p>	<p>Maintain 100% adherence to existing BMP policies and procedures.</p>	<p>100% of supplier audits in the first half of the year were compliant with BMP policies.</p>	
<p>C. HIGH CONSERVATION VALUE FORESTS (HCVS) MAINTAINED</p>	<p>Enhance our ability to detect and monitor HCV areas.</p>	<p>Work with NatureServe and state Natural Heritage Programs to acquire and analyze data specifying where a) biomass sourcing is inconsistent with HCV maintenance, and b) thinnings or other specialized biomass harvesting could improve stand conditions (for example, thinning hardwood midcanopy out of longleaf stands).</p>	<p>Finalize our enhanced HCV delineation and develop appropriate procedures for maintaining HCVs.</p>	<p>Acquired map layers with detailed biodiversity information for three out of seven states from the organization NatureServe. Drafting procedures with our Procurement Team to identify HCVs on prospective tracts for wood purchases with anticipated pilot in September.</p>	

VERIFICATION AND TRANSPARENCY








POLICY PROVISIONS	2019 IMPLEMENTATION PLAN	DESCRIPTION OF 2019 PLAN	2019 GOALS	MID-YEAR PROGRESS	
<p>A. VERIFICATION</p>	<p>Build on the audit capabilities of our existing T&T® system.</p>	<p>Enhance the audit policies and procedures for our existing T&T® system, by testing the ground data collected against an independently-derived satellite-based dataset.</p>	<p>Develop and implement enhanced methodology for real-time monitoring and auditing of T&T data.</p>	<p>Engaged NEPCo to develop T&T standards and public claims. Drafting procedures with anticipated audit in October. Engaged a firm for satellite-based monitoring of historic tract information to verify collected data.</p>	<ul style="list-style-type: none"> ■ Not Achieved: No measurable progress or backsliding on goals ■ In Progress - Behind Schedule: Fell short of incremental goal ■ In Progress - On Schedule: Met incremental goals ■ In Progress - Ahead of Schedule: Exceeded incremental goal ■ Achieved: Met all goals
	<p>Build our capacity to support Forest Stewardship Council (FSC) Forest Management (FM) certification.</p>	<p>Establish a group certification system under the FSC Forest Management standard, working together with industry partners.</p>	<p>Complete FSC FM certification for 10,000 acres in order to add them to our FSC group.</p>	<p>Completed training for all procurement foresters on enrolling landowners into our FSC Forest Management IMG. Enrolled 1,365 acres into the group.</p>	
<p>B. TRANSPARENCY AND REPORTING</p>	<p>Develop the metrics and reporting framework to integrate environmental data into a Corporate Sustainability Report.</p>	<p>Create and implement procedures for disclosures of relevant environmental metrics, as well as progress toward the annual goals and implementation plans laid out in the Responsible Sourcing Policy.</p>	<p>Prepare first set of disclosures of environmental data suitable for inclusion in a Corporate Sustainability Report. Release mid-year and end-of-year progress reports on 1.) Application of our responsible sourcing policy to purchases from third party pellet suppliers and 2.) Accomplishment of our 2019 implementation plans.</p>	<p>Commenced materiality assessment. Engaged with each third-party pellet supplier and instructed parties on policy enhancements and implementation.</p>	

PLEDGES IN CONSERVATION LEADERSHIP



POLICY PROVISIONS	2019 IMPLEMENTATION PLAN	DESCRIPTION OF 2019 PLAN	2019 GOALS	MID-YEAR PROGRESS	
<p>A. HELP KEEP THE AMOUNT OF FORESTLAND STABLE OR INCREASING AT REGIONAL SCALES</p>	<p>Work with partners to achieve reauthorization of the Land and Water Conservation Fund in 2019.</p>	<p>Participate in coalition effort on LWCF; Communicate our support to key Congressional offices; send letter of support to LWCF to reinforce our commitment.</p>	<p>Achieve reauthorization of the Land and Water Conservation Fund.</p>	<p>Land and Water Conservation Fund successfully reauthorized on March 12, ensuring that it receives funding consideration each session. Met with several Members of Congress, including the office of Senator Burr, an original cosponsor of the bill.</p>	<p>Not Achieved: No measurable progress or backsliding on goals</p>
<p>B. CONSERVE WETLAND FOREST ECOSYSTEMS, PEATLAND FORESTS, AND HIGH-CARBON TROPICAL FORESTS</p>	<p>Continue supporting and improving the Enviva Forest Conservation Fund (EFCF).</p>	<p>We are on track to meet our ten-year goal of helping to conserve 35,000 acres of bottomland hardwood (BLHW) forests. In 2018, we convened our EFCF recipients and stakeholders and asked for their feedback and improvement suggestions.</p>	<p>Help to conserve about 5,000 additional acres of BLHW forests (keeping on track toward our ten-year goal of conserving 35,000 acres) and implementing improvements to the EFCF.</p>	<p>Our 2019 EFCF awards will help conserve 2,950 acres of BLHW forests and over 7,000 total acres of forests. Four years into our 10-year commitment, the EFCF has helped conserve 14,265 acres of BLHW forests. We are on track to achieve our ten-year goal to conserve 35,000 acres of BLHW forests.</p>	<p>In Progress - Behind Schedule: Fell short of incremental goal</p>
	<p>Increase landowners' use of the VA Wider Buffer Tax Credit Program.</p>	<p>The VA Wider Buffer Tax Credit Program incentivizes the conservation of working forests along rivers and thus balances landowners' need for income with the conservation value of leaving riparian forests standing.</p>	<p>Increase usage of the VA Wider Buffer Tax Credit Program by 50% in the 8 VA counties from which we source.</p>	<p>Met with interested stakeholders in early June and developed a pipeline for engaging landowners with help from a consultant. Trained procurement foresters on program benefits and recruiting landowners.</p>	<p>In Progress - On Schedule: Met incremental goals</p>
					<p>In Progress - Ahead of Schedule: Exceeded incremental goal</p>
					<p>Achieved: Met all goals</p>

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<p>C. ADDRESS THE CONVERSION OF HIGH-QUALITY HABITAT FOR AT-RISK SPECIES</p>	<p>Identify conversion risks in our regions for forest types that provide high-quality habitat for at-risk species.</p>	<p>Because we understand that forest-type conversion is a long-term and challenging issue in the SE, but also that such conversion is a poorly-understood and ill-defined phenomenon, we will work to create a baseline dataset that articulates both what we mean by forest-type conversion and defines trends in this phenomenon over time in our sourcing regions.</p>	<p>Work with University academics to develop a framework and methodology for defining and quantifying forest-type conversion in our sourcing regions, by gathering and analyzing reliable data from a range of sources.</p>	<p>Developed methods, together with NC State, for using USDA Forest Service FIA data to understand and quantify long-term trends in conversion into and out of key forest types.</p>	<p> Not Achieved: No measurable progress or backsliding on goals</p> <p> In Progress - Behind Schedule: Fell short of incremental goal</p> <p> In Progress - On Schedule: Met incremental goals</p> <p> In Progress - Ahead of Schedule: Exceeded incremental goal</p> <p> Achieved: Met all goals</p>
<p>D. HELP RESTORE CRITICAL, THREATENED, OR DECLINING FOREST TYPES</p>	<p>Help landowners write management plans in order to become certified to generally accepted forest management standards, and restore endangered longleaf forests around our Hamlet mill.</p>	<p>We are developing collaborations with landowner groups and the conservation community in order to recruit landowners with longleaf pine and assist them with certification (to either the ATFS or FSC FM Standard). We will include appropriate harvest practices in their forest management plans, conduct appropriate harvest operations for biomass sourcing and forest protection, and monitor ongoing stand conditions. Our project at Hamlet in 2019 builds another pilot we conducted at our Cottondale plant in 2018.</p>	<p>By completing our longleaf pine restoration pilot program at Hamlet, we will support the certification and restoration of 500 acres of longleaf pine forests.</p>	<p>Working with Milliken Forestry Company, the Longleaf Alliance, and NatureServe, we developed appropriate longleaf harvesting guidelines. With longleaf restoration partners around our Hamlet facility, we trained local consulting foresters on how biomass sourcing can support their clients' longleaf restoration goals.</p>	
	<p>Develop a three-year plan to support longleaf restoration in our sourcing regions.</p>	<p>Many of our plants are in the historic range of longleaf pine, including numerous areas with high concentrations of longleaf pine forests ("Significant Geographic Areas"). Based on our pilots at COT and HAM, and in collaboration with many partners, we are developing a company-wide plan to support longleaf restoration.</p>	<p>Develop and release our long-term plan in collaboration with the conservation community.</p>	<p>Completed major components of the plan, including what conservation practices Enviva's sourcing can support and how we will monitor our longleaf restoration. We are now assessing the sourcing potential from longleaf restoration based on US Forest Service FIA data and widely-used NatureServe metrics for desired longleaf stand conditions.</p>	