SUSTAINABLE WOOD FIBER SUPPLY



ENVIVA'S ASSETS









Port of Panama City

Port of Mobile



Port of Chesapeake







Amory

Ahoskie





Southampton

Northampton





Sampson

Cottondale



Greenwood**



Hamlet***

*Under development by Enviva JV Development Company, LLC **Acquisition by Enviva JV Development Company, LLC

***Enviva Wilmington Holdings, LLC; opening targeted early 2019

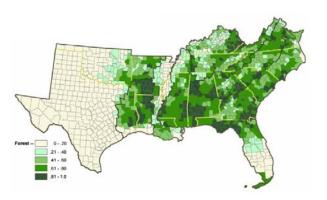


U.S. SOUTHEAST FOREST LANDSCAPE

Timber has been harvested from Southern forests since European settlement;¹ trees we see today form the 5th or 6th generation of these forests

§ Conditions today reflect legacy of agricultural & forestry land use

PROPORTION OF COUNTIES IN FORESTLAND USE¹



Forests cover about 99 million hectares in the South, roughly 45% of total land area.

- § No remaining primary forests available for harvest
- § 11.4 billion metric tons of growing stock inventory

86% of Southern U.S. forests are held by 5 million private landowners, mostly families

Strong property rights and tax structures mean that most landowners look to generate revenue from their land

U.S. pulpwood consumption has dropped 28% since 1988 and is at the same level as 1970

U.S. Pulpwood Consumption (million metric tons)²



FOREST OWNERSHIP STATUS²



1) Wear, D. N., & Greis, J. G. (2012). The Southern Forest Futures Project: Summary Report. Research Triangle Park: United States Department of Agriculture Forest Service Southern Research Station. http://www.srs.fs.fed.us/pubs/gtr/gtr_srs168.pdf

2) Butler, Brett J. and David N. Wear. "Southern Forest Futures Project Chapter 6: Forest Ownership Dynamics of Southern Forests." USDA Forest Service, 2013. http://www.srs.fs.fed.us/pubs/gtr/gtr_srs178.pdf



FOREST PRODUCT SPECIFICATIONS FOR HIGH-GRADE MARKETS V. LOW-GRADE MATERIAL AT ENVIVA

HIGH-GRADE PRODUCT SPECIFICATIONS¹

- § Highly variable by product, region, market demand, etc.
- § Generally, trees sold into higher-grade markets can produce one-12 foot or two 8-foot logs meeting at least the following quality specifications:
 - § Straight form no crooks or significant sweep/ taper
 - § Clear wood quality no growth defects, rot, or stain
 - § Diameter Small end at least 9 in. for pine and 11 in. for HW



ENVIVA PRODUCT SPECIFICATIONS

- § Feedstocks are inspected for the following specification at the pellet mill gate:
 - § Less than 18 in. diameter on large end
 - § No cypress species
 - § No GMO species (no commercial use of GMO tree species in US South)





FOREST PRODUCTS MARKETS AND INCREASED WOOD PRODUCTION

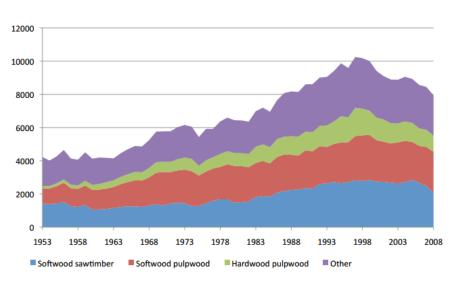
Markets for forest products positively affect forest extent and inventory

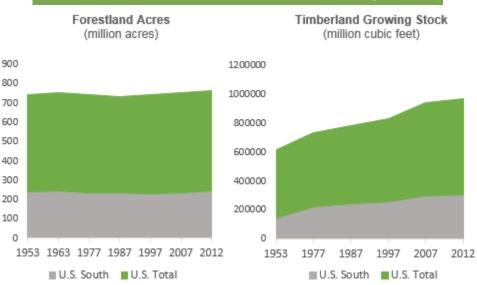
Southern forest trends since introduction of forest industry in the mid-1900's:

- § More than 2X increase in forest product demand
- § 4 million+ acre increase in forest area

Southern Roundwood Production¹

§ More than 2X increase in forest growing stock inventory

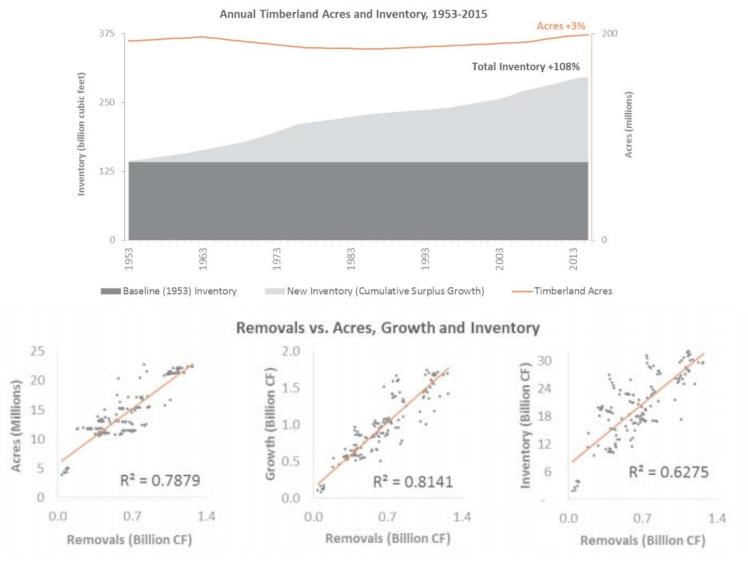




Southern Forest Area and Investory²



TRENDS IN FOREST AREA & INVENTORY IN THE SE US





Source: Forest2Market report, Historical Perspective on the Relationship between Demand and Forest Productivity in the US South, July 2017

THREE PILLARS OF SUSTAINABILITY

Certification

Care for the Forest Landscape

Transparency











PILLAR ONE: CERTIFICATION

Enviva's manufacturing facilities are certified to industry-leading forest and biomass sustainability programs









Certification

Care for the Forest Landscape

Transparency









FOREST STEWARDSHIP: SCIENCE-BASED, INDIVIDUALIZED SOURCING DECISIONS

SCIENCE-BASED SOURCING

- § For each and every tract we encounter, we make a decision on whether and what kind of harvest is the best outcome for that tract.
- § To make these decisions, we've developed operational, traceable, and scalable processes.
- § These processes rely on the considerable expertise of our highly trained and experienced staff as well as input solicited from academic and forest conservation experts.





FOREST CONSERVATION

The Enviva Forest Conservation Fund

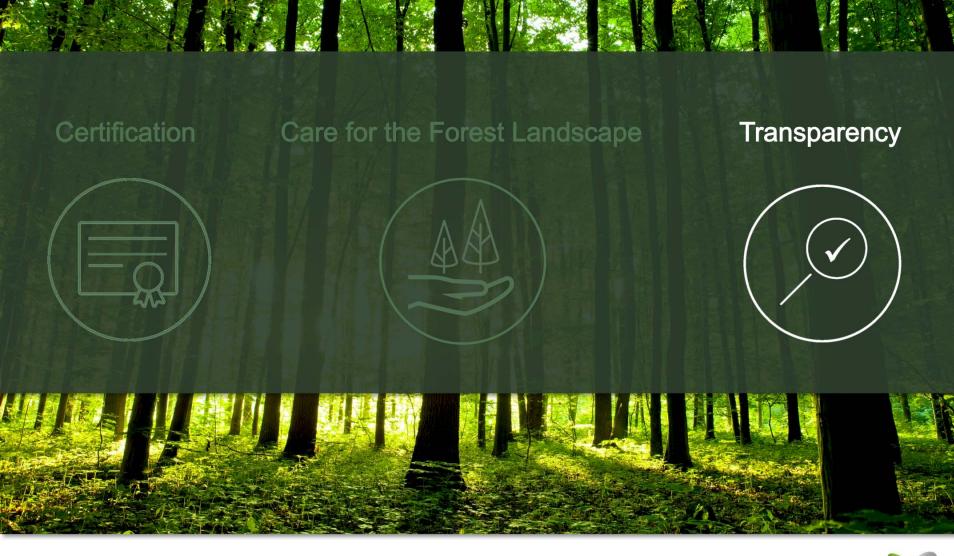
- § A \$5 million,10-year program
- § Conserving working forests and sensitive bottomland ecosystems in VA and NC
- § Partnership with the U.S. Endowment for Forestry and Communities
- § Annual matching-fund grants to nonprofit organizations





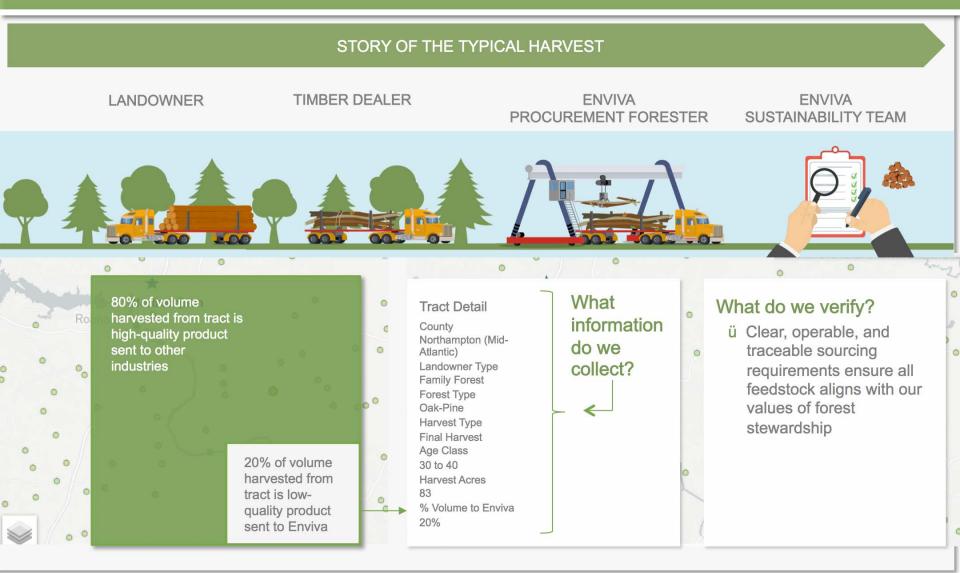


PILLAR THREE





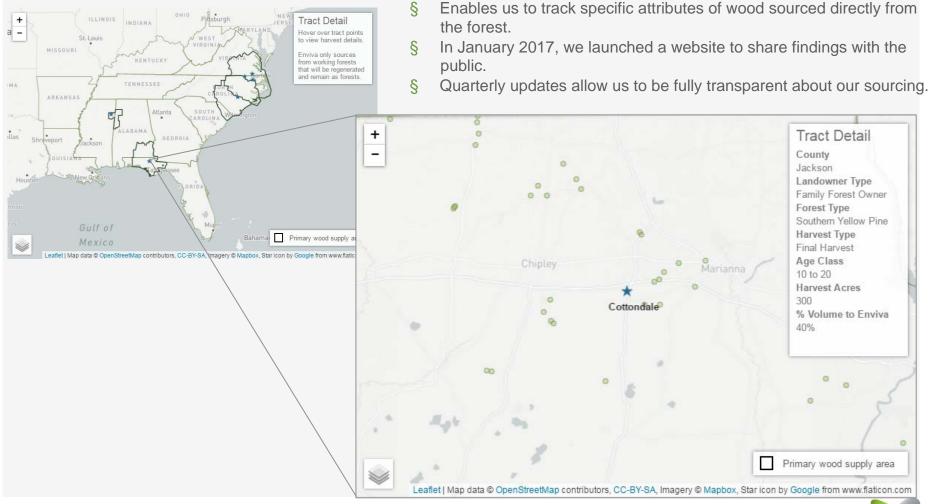
TRANSPARENCY: 100% VISIBILITY INTO BIOMASS SUPPLY AND SOURCING PRACTICES





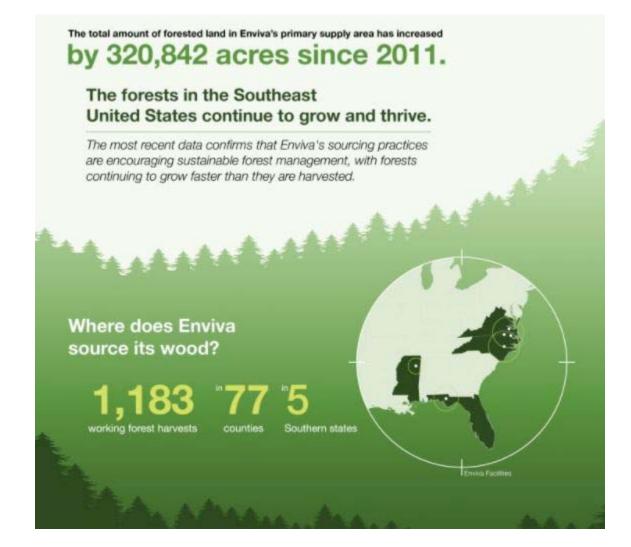
TRACK & TRACE: SUPPLY CHAIN MONITORING SYSTEM AND TRANSPARENCY TOOL

We track every ton of primary wood back to its origin in the forest or at a sawmill





TRANSPARENCY: 100% VISIBILITY INTO BIOMASS SUPPLY AND SOURCING PRACTICES





TRANSPARENCY: 100% VISIBILITY INTO BIOMASS SUPPLY AND SOURCING PRACTICES

