

# Wood Bioenergy US



Forisk Consulting, LLC

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## Projected Annual Wood Demand, 2021, green tons

Region*	Projects Announced & Operating	100% Total Tons	Technology Screen	Status Screen**	% that pass screens
North	207	46,690,575	42,380,600	28,354,100	61%
South	141	62,942,104	44,338,106	30,637,206	49%
West	108	20,748,771	19,311,396	14,060,796	68%
Total	456	130,381,450	106,030,102	73,052,102	56%

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For a complete project listing, subscribe to the full **Wood Bioenergy US** project tracker at [www.foriskstore.com](http://www.foriskstore.com).

## Project Count

Region*	Type					Total	Total that pass screens
	Electricity	CHP	Thermal	Liquid Fuel	Pellet		
North	77	23	8	12	87	207	141
South	43	20	10	20	48	141	84
West	39	19	2	7	41	108	69
Total	159	62	20	39	176	456	294

\*The breakdown of states by region can be found on the Forisk website, [www.forisk.com](http://www.forisk.com), on the Bioenergy page. The North region includes states in the Northeast, Lake States, and Appalachia.

\*\*The status screen is cumulative and is applied to projects that pass the technology screen.

## Monthly Update

Enviva announced plans for a new 454,000 metric ton pellet facility in Courtland, VA. The project is contingent upon site zoning and permitting requirements and could operate in 2013.

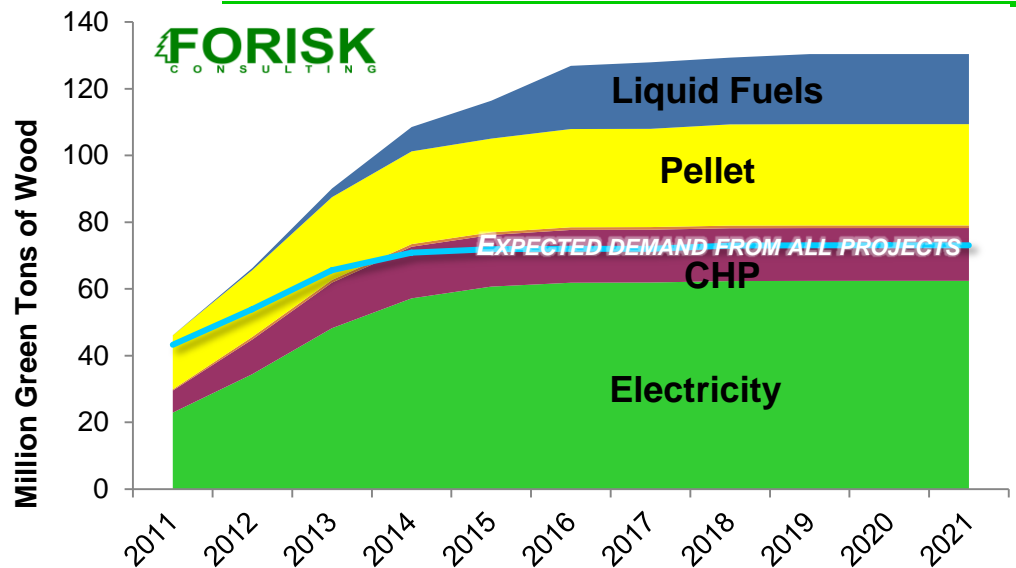
Sundrop Fuels announced that it will locate a 50 million gallon green gasoline facility in Alexandria, LA. The facility will use forest residues and natural gas to produce a drop-in gasoline. Chesapeake Energy Corporation, a natural gas producer, is a part owner of the company.

WGS Energy LLC is planning a biomass power plant for Twiggs County, GA to use forest residues and unmerchantable material. The group is trying to finalize a power purchase agreement with Georgia Power.

The University of Montana project to purchase forest waste for power generation was put on hold. The University stated that the project was not financially feasible given low natural gas prices.

Range Fuels' liquid fuel plant in Soperton, GA is in foreclosure. AgSouth Farm Credit, Range Fuels' lender, advertised the foreclosure sale in a local newspaper. Attempts by Range Fuels to transfer a loan guarantee to another biotech firm were unsuccessful.

## Estimated Wood Use by Announced Facilities



### Notes and Assumptions

- CHP is combined heat and power, or cogeneration. Thermal volumes are less than 1% of total volume in 2021.
- "Expected Demand" is estimated wood use by all projects that pass the technology and status screens.
- Assume 100% wood use unless feedstock mix is specified.
- If a project does not announce a startup date, then Forisk estimates the start date.
- Technology: if the technology is viable today, then the project passes the technology screen. Pelletizing technology and electricity are currently proven technologies that pass this screen. Cellulosic ethanol from wood feedstock is still a developing technology and is currently not operational.
- Status: if the project has received/secured/signed two or more of the following then it passes the status screen: financing, air quality permits, Engineering Procurement and Construction contracts (EPC contracts), power purchase agreements for electricity facilities, interconnection agreements for electricity facilities, and supply agreements.