

Projected Annual Wood Demand, 2020

Region*	Projects Announced	100% Total New Tons	Technology Screen	Status Screen**	% that pass screens
North	153	47,903,765	44,287,020	35,799,520	75%
South	140	60,231,442	46,181,263	23,955,685	40%
West	70	12,846,174	12,272,624	8,638,024	67%
Total	363	120,981,381	102,740,907	68,393,229	57%

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For a complete project listing, subscribe to the full **Wood Bioenergy US** project tracker at www.foriskstore.com.

Project Count

Region*	Type				Total that pass screens
	Electricity	Liquid Fuel	Pellet	Total	
North	69	8	76	153	107
South	79	15	46	140	77
West	38	6	26	70	45
Total	186	29	148	363	229

*The breakdown of states by region can be found on the Forisk website, 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

Local opposition to bioenergy projects for reasons ranging from wood supply issues, health concerns, or carbon neutrality is affecting bioenergy project development. Air quality concerns in Massachusetts could lead to new regulation of greenhouse gas emissions from wood burning plants, hindering development of projects such as Munkjo Paper in Fitchburg, among others. The Scott Area Plan Commission rejected Liberty Green Renewables' proposal for a 32 MW facility in Indiana this month.

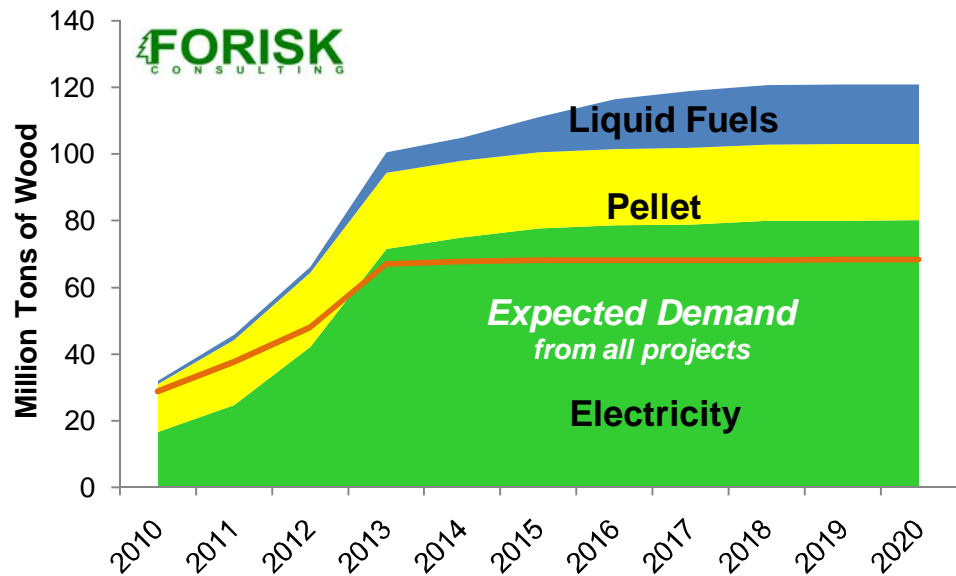
Green Energy Partners is developing a 10 MW bioenergy plant in Lithonia, Georgia. DeKalb county voted to sell wood chips and trimmings to the plant.

Lakeview Cogeneration is developing a 24 MW biomass facility in Lake County, Oregon and plans to begin construction this fall. The group received a \$1.7 million federal grant.

ecoPower generation signed agreement for AE&E Group to provide engineering and design services for a 58 MW plant in Hazard, Kentucky. The company plans to operate the plant by 2013.

Duke Energy participated in hearings this month to register its Buck Steam Station and Lee Steam Station as renewable energy facilities in North Carolina to co-fire biomass.

Estimated Wood Use by Announced Facilities



Notes and Assumptions

- "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 estimated 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.