

Projected Annual Wood Demand, 2021

Region*	Projects Announced and Operating	100% Total New Tons	Technology Screen	Status Screen**	% that pass screens
North	205	46,638,022	42,480,172	29,668,172	64%
South	145	58,733,662	46,826,503	26,375,925	45%
West	95	18,406,174	17,832,624	12,457,024	68%
Total	445	123,777,858	107,139,299	68,501,121	55%

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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*	Electricity	Liquid Fuel	Pellet	Total	Total that pass screens
North	104	12	89	205	145
South	80	15	50	145	84
West	61	6	28	95	63
Total	245	33	167	445	292

*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

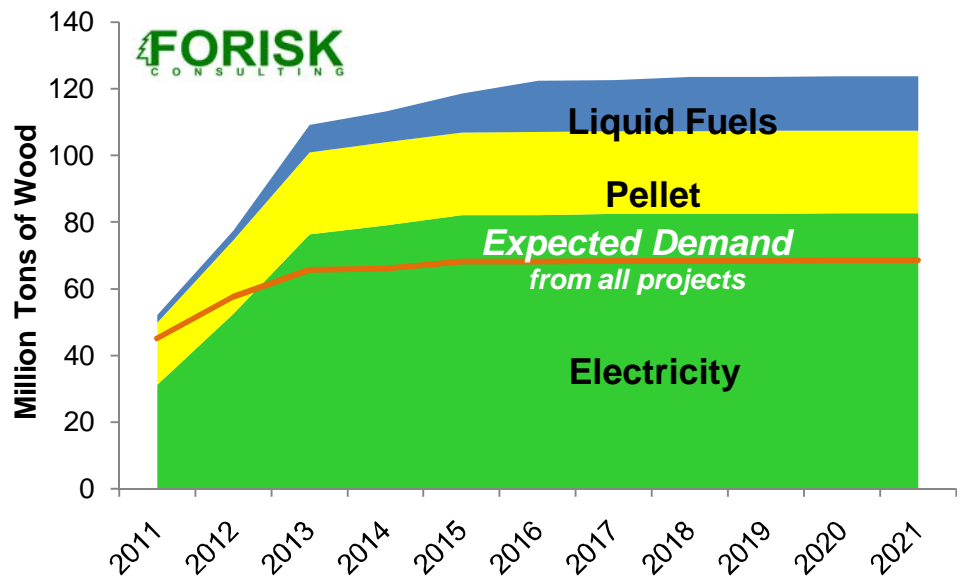
On January 12, 2011, the EPA granted a waiver for E15 for model year 2001-2006 vehicles. The agency granted a waiver for E15 for model year 2007 and newer vehicles on October 13, 2010 and delayed the decision for model year 2001-2006 vehicles until DOE completed testing. The fuel is still restricted for vehicles with a model year 2000 or older.

The governor of Wisconsin announced that the state will not install a biomass boiler at the Charter Street Heating Plant at the University of Wisconsin-Madison campus. The state will move forward with plans to convert two of the boilers to natural gas. The governor cited high construction costs of approximately \$100 million as the reason for the decision.

The USDA selected three cellulosic ethanol projects to receive loan guarantees: Coskata, Enerkem, and INEOS New Planet BioEnergy. Coskata received a letter of intent to receive a \$250 million loan guarantee for a 55 million gallon plant in Greene County, Alabama. Enerkem will receive an \$80 million loan guarantee for its 10 million gallon plant in Pontotoc, Mississippi. INEOS New Planet BioEnergy LLC will receive a \$75 million loan guarantee for its 8 million gallon plant in Vero Beach, Florida.

Wood Fuel Developers announced plans to convert a former particleboard plant in Waverly, Virginia to a wood pellet facility. The firm received a total of \$185,000 from the state for the \$8.6 million plant.

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 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.