

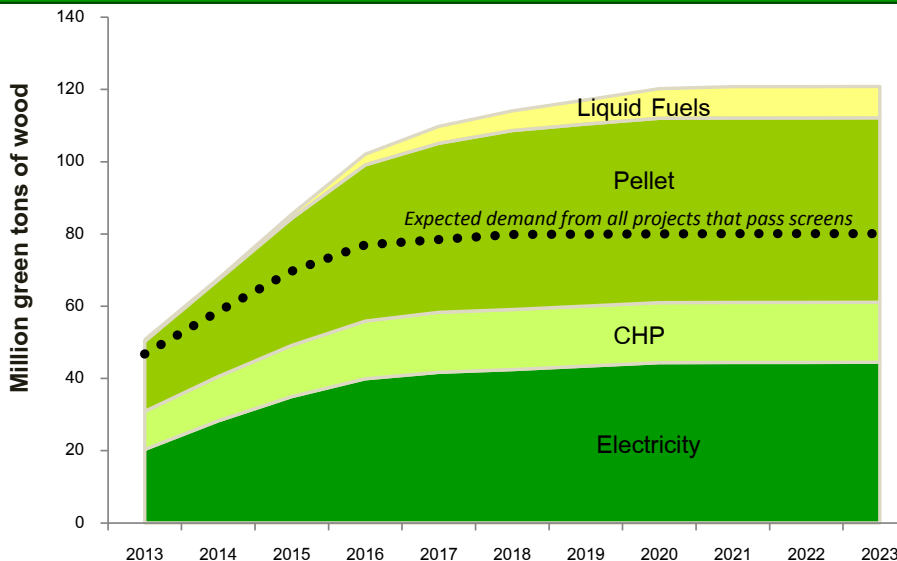
A publication by Forisk Consulting that tracks, screens, and analyzes the wood bioenergy sector in the United States.

Free Summary

Number and Wood Use of Announced and Operating Projects, 2023									
Region	Number of Projects by Type					Total	Total that pass screens	Wood Use of All Projects gtons	Wood Use of Projects that Pass Screens gtons
	Electricity	CHP	Thermal	Liquid Fuel	Pellet				
North	58	24	8	11	88	189	137	36,481,472	25,327,497
South	37	21	10	21	69	158	90	67,370,754	42,675,006
West	33	17	2	5	40	97	63	17,667,471	12,113,796
Total	128	62	20	37	197	444	290	121,519,697	80,116,299

- **As of February 2014, there are 444 projects in the WBUS database.** All announced and operating projects could use a total of 121.5 million green tons of wood per year by 2023. Projects that pass viability screens could consume 80.1 million tons of wood per year. Projected wood use from all projects by 2023 is down from the December 2013 estimate by 1.1 million tons per year.
- Announced projects in the South that pass viability screens could consume 18.2 million additional tons of wood per year by 2023 of which 68% is pulpwood. In the West, announced projects that pass viability screens could consume 2.4 million additional tons of wood per year by 2023, of which 50% is logging residues. In the North, announced projects that pass viability screens could consume 6.6 million additional tons of wood per year by 2023, of which 38% is pulpwood.
- **Regionally, the US South had the most updates** this issue with the removal of 1 project from the WBUS database and 9 other updates.

Estimated Wood Use by Announced Facilities



Notes

- CHP is combined heat and power, or cogeneration. Thermal volumes are less than 1% of total volume in 2023.
- "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, off-take agreements, inter-connection agreements for electricity facilities, and supply agreements.

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