

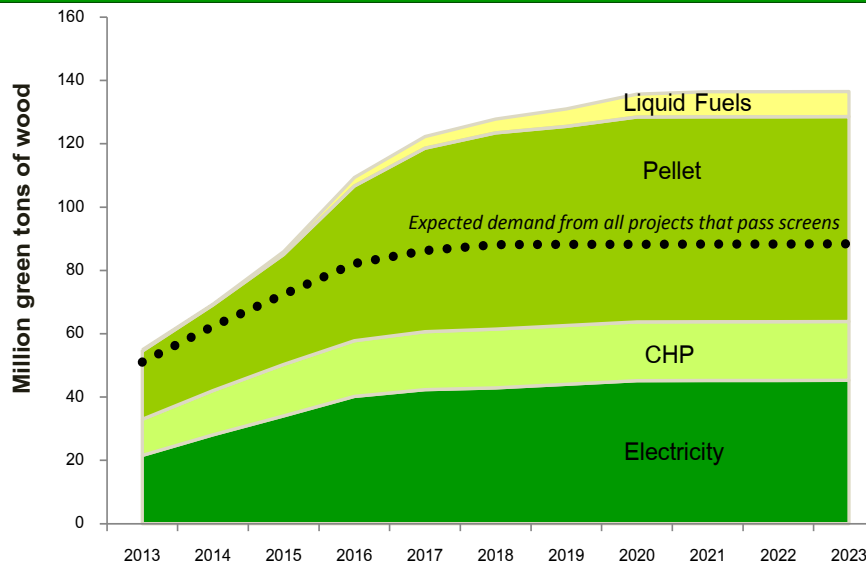
A publication by Forisk Consulting that tracks, screens, and analyzes the wood bioenergy sector in the United States.

Free Summary

Number and Wood Use of Announced and Operating Projects, 2023									
Number of Projects by Type						Total	Total that pass screens	Wood Use of All Projects gtons	Wood Use of Projects that Pass Screens gtons
Region	Electricity	CHP	Thermal	Liquid Fuel	Pellet				
North	58	23	9	11	92	193	140	41,332,629	29,476,554
South	34	23	10	21	82	170	97	78,214,524	45,957,018
West	29	18	2	6	42	97	64	17,653,157	12,942,522
Total	121	64	21	38	216	460	301	137,200,309	88,376,094

- **As of October 2014, there are 460 projects in the WBUS database.** All announced and operating projects could use a total of 137.2 million green tons of wood per year by 2023. Projects that pass viability screens could consume 88.4 million tons of wood per year. Projected wood use from all projects by 2023 is up from the August 2014 estimate by 1.6 million tons per year.
- Announced projects in the South that pass viability screens could consume 19.3 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 1.5 million additional tons of wood per year by 2023, of which 53% is logging residues. In the North, announced projects that pass viability screens could consume 5.6 million additional tons of wood per year by 2023, of which 29% is pulpwood.
- **Regionally, the US South had the most updates** this issue with the addition of 4 projects to the WBUS database and 13 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, interconnection agreements for electricity facilities, and supply agreements.

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