

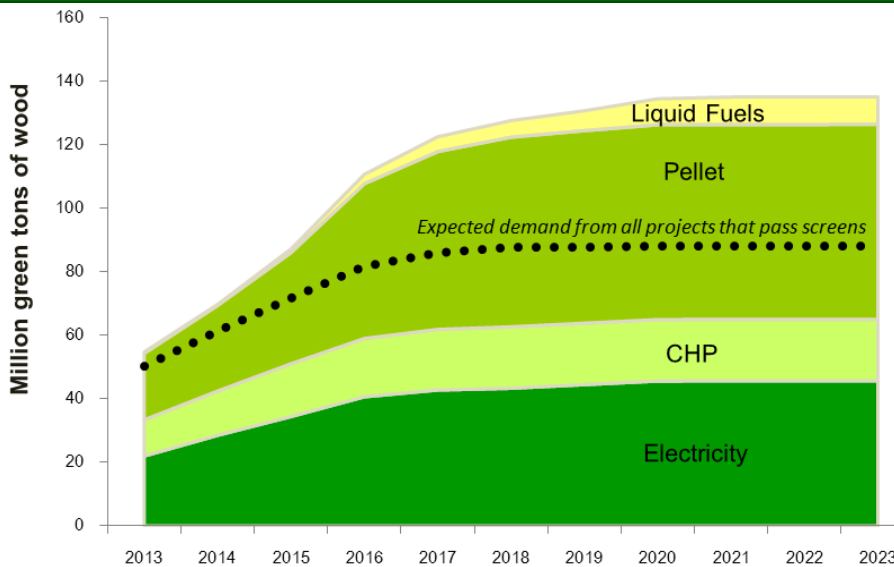
A publication by Forisk Consulting that tracks, screens, and analyzes the wood bioenergy sector in the United States.

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	88	189	137	40,734,229	29,098,154
South	34	23	10	21	78	166	95	77,663,524	46,573,018
West	29	17	2	5	40	93	61	17,239,957	12,364,322
Total	124	60	21	37	206	448	293	135,637,709	88,035,494

- **As of July/August 2014, there are 448 projects in the WBUS database.** All announced and operating projects could use a total of 135.6 million green tons of wood per year by 2023. Projects that pass viability screens could consume 88.0 million tons of wood per year. Projected wood use from all projects by 2023 is up from the May 2014 estimate by 14.6 million tons per year; part of this increase is due to revised wood consumption factors for pellet and electricity projects.
- Announced projects in the South that pass viability screens could consume 20.1 million additional tons of wood per year by 2023 of which 67% 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 5.9 million additional tons of wood per year by 2023, of which 32% is pulpwood.
- Since May 2014, **1 project was removed from the database, 12 projects were added, and 21 projects were updated.**

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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