Wood Bioenergy US

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

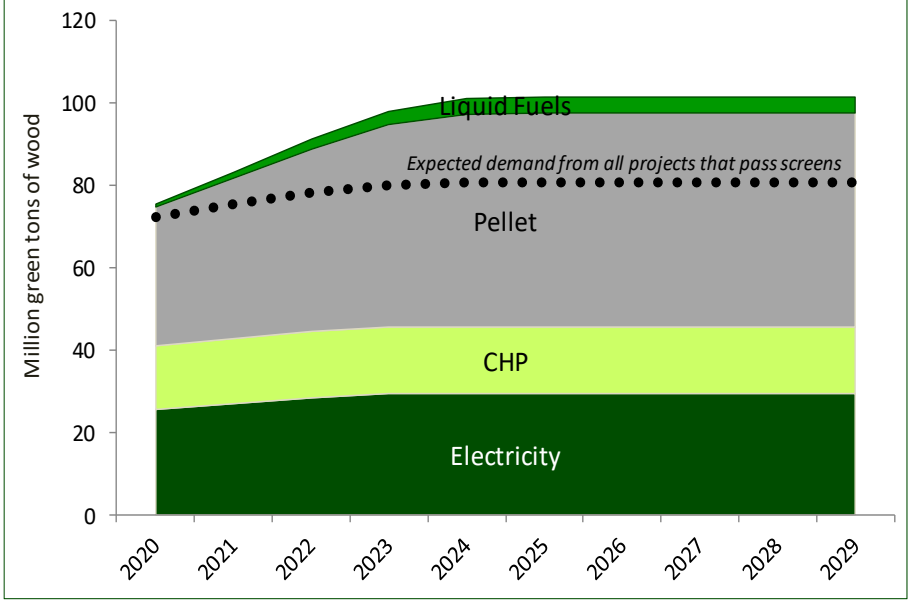
Free Summary

Number and Wood Use of Announced and Operating Projects, 2029

Region	Number of Projects by Type: Electricity	CHP	Thermal	Liquid Fuel	Pellet	Other	Total	*Total that pass screens*	Wood Use of All Projects gtons	Wood Use of Projects that Pass Screens gtons
North	43	25	8	13	76	0	165	*114*	23,177,916	21,715,816
South	23	20	9	18	75	4	149	*87*	63,408,313	46,678,464
West	35	19	2	5	46	0	107	*70*	15,830,726	12,398,576
Total	101	64	19	36	197	4	421	*271*	102,416,955	80,792,856

- **As of January 17, 2020, there were 421 projects in Forisk's *Wood Bioenergy US* database.** All announced and operating projects could use a total of 102.4 million green tons of wood per year by 2029. Projects that pass viability screens could consume 80.8 million tons of wood per year.
- Of the 149 projects announced and operating in the South, 87 pass viability screens. In the West, 70 of the 107 announced and operating projects pass viability screens. In the North, 114 of the 165 announced and operating wood bioenergy projects pass Forisk's viability screens.
- Regionally, the U.S. North still has the largest share (42%) of viable wood bioenergy projects while the South accounts for 58% of the potential wood use for bioenergy.

Estimated Wood Use by Announced Facilities that Pass Screens



Notes

- Estimated demand is wood use by all projects that pass the technology and status screens.
- 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. Torrefied biomass technology does not pass the technology 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.
- CHP is combined heat and power, or cogeneration. Thermal volumes are less than 1% of total volume in 2029.
- Assume 100% wood use unless feedstock mix is specified.
- If a project does not announce a startup date, then Forisk estimates the start date.

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