

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

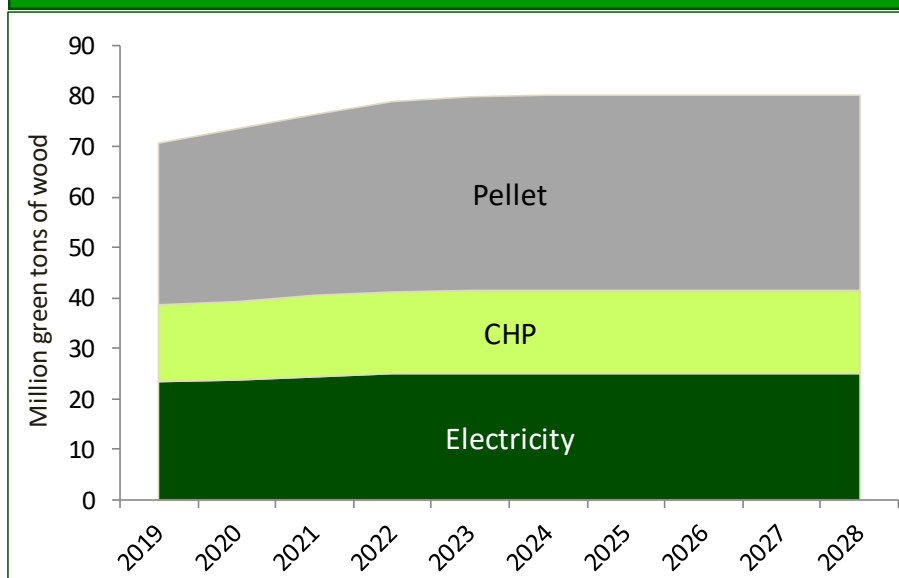
## Free Summary

### Number and Wood Use of Announced and Operating Projects, 2028

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	Other				
North	43	26	8	14	76	0	167	118	24,838,116	22,876,016
South	23	20	9	16	75	3	146	87	63,392,161	45,198,412
West	36	19	2	5	45	1	108	68	15,857,726	12,363,576
Total	102	65	19	35	196	4	424	273	104,088,003	80,438,004

- **As of July 19, 2019, there were 421 projects in Forisk's Wood Bioenergy US database.** All announced and operating projects could use a total of 104.1 million green tons of wood per year by 2028. Projects that pass viability screens could consume 80.4 million tons of wood per year.
- Of the 146 projects announced and operating in the South, 87 pass viability screens. In the West, 68 of the 108 announced and operating projects pass viability screens. In the North, 118 of the 167 announced and operating wood bioenergy projects pass Forisk's viability screens.
- Regionally, the U.S. North still has the largest share (43%) of viable wood bioenergy projects while the South accounts for 56% 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 2028.
- 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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