

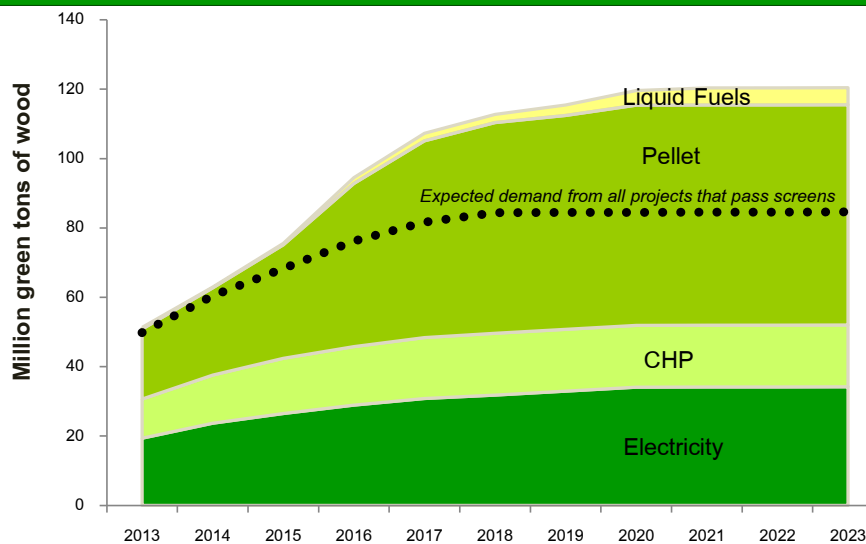
A publication by Forisk Consulting that tracks, screens, and analyzes the wood bioenergy sector in the United States.

## 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	50	24	9	11	84	178	138	33,211,629	26,729,954
South	30	21	9	17	82	159	96	72,252,607	45,242,901
West	26	16	1	6	40	89	63	15,591,157	12,642,522
<b>Total</b>	<b>106</b>	<b>61</b>	<b>19</b>	<b>34</b>	<b>206</b>	<b>426</b>	<b>297</b>	<b>121,055,392</b>	<b>84,615,377</b>

- **As of December 2014, there are 426 projects in the WBUS database.** All announced and operating projects could use a total of 121.1 million green tons of wood per year by 2023. Projects that pass viability screens could consume 84.6 million tons of wood per year. Projected wood use from projects that pass viability screens is down from the October 2014 estimate by 3.8 million tons.
- Announced projects in the South that pass viability screens could consume 18.1 million additional tons of wood per year by 2023 of which 71% is pulpwood. In the West, announced projects that pass viability screens could consume 0.5 million additional tons of wood per year by 2023, of which 80% is mill residues. In the North, announced projects that pass viability screens could consume 2.7 million additional tons of wood per year by 2023, of which 51% is hardwood-pulpwood.
- **Regionally, the US South had the most updates** this issue with the removal of 11 projects from the WBUS database and 10 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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