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.

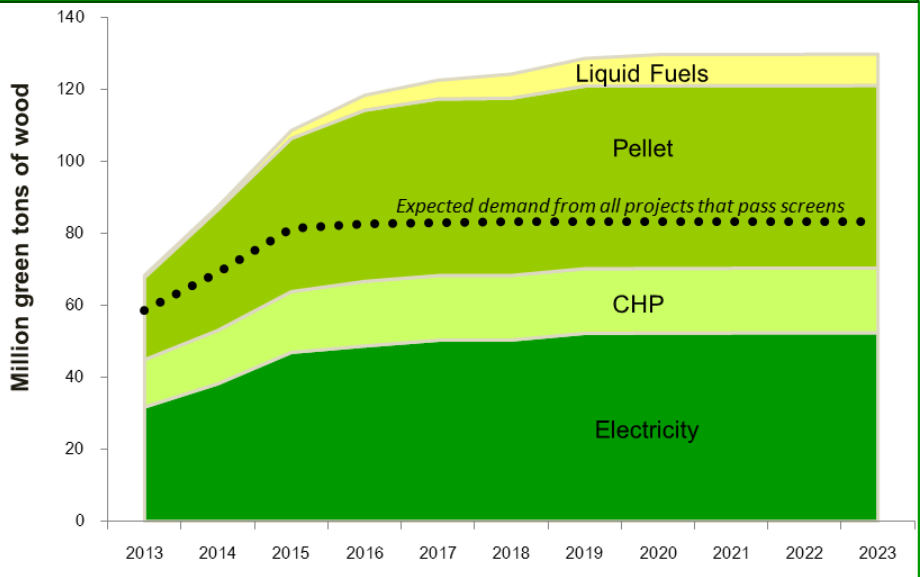
Free Summary

Number and Wood Use of Announced and Operating Projects, 2023

Region	Number of Projects by Type: Electricity	CHP	Thermal	Liquid Fuel	Pellet	Total	*Total that pass screens*	Wood Use of All Projects gtons	Wood Use of Projects that Pass Screens gtons
North	67	26	8	10	88	199	*142*	41,449,073	27,670,098
South	39	22	10	21	69	161	*92*	68,650,754	42,457,006
West	40	18	2	5	40	105	*67*	20,281,471	13,242,796
Total	146	66	20	36	197	465	*301*	130,381,298	83,369,900

- As of November 2013, there are 465 projects in the *WBUS* database (see table). All announced and operating projects could use a total of 130.4 million green tons of wood per year by 2023. **Projects that pass viability screens could consume 83.4 million tons of wood per year**. Projected wood use from all projects by 2023 is up from the September 2013 estimate by 1.1 million tons per year.
- Announced projects in the South that pass viability screens could consume 23.5 million additional tons of wood per year by 2023 of which 88% is roundwood or chips. In the West, announced projects that pass viability screens could consume 3.1 million additional tons of wood per year by 2023, of which 58% is roundwood or chips. In the North, announced projects that pass viability screens could consume 8.6 million additional tons of wood per year by 2023, of which 77% is roundwood or chips.
- **Regionally, the US South had the most updates** this issue with the addition of one project to the *WBUS* database and numerous 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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