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.

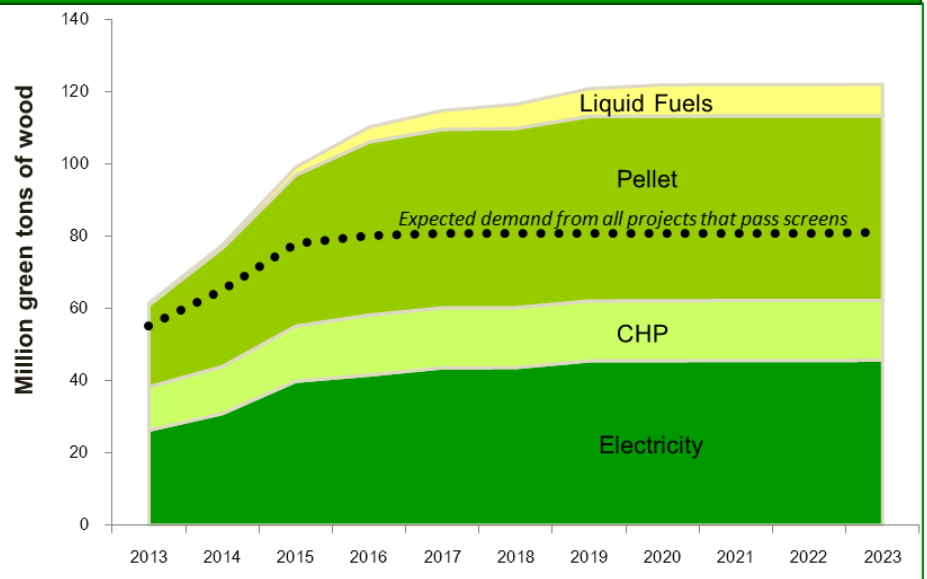
Free Summary

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	57	23	8	10	88	186	*135*	36,455,424	25,301,449
South	38	21	10	21	69	159	*91*	68,522,754	43,227,006
West	33	17	2	5	40	97	*64*	17,647,471	12,393,796
Total	128	61	20	36	197	442	*290*	122,625,649	80,922,251

- As of December 2013, there are 442 projects in the *WBUS* database. All announced and operating projects could use a total of 122.6 million green tons of wood per year by 2023. **Projects that pass viability screens could consume 80.9 million tons of wood per year.** Projected wood use from all projects by 2023 is down from the November 2013 estimate by 7.8 million tons per year.
- Announced projects in the South that pass viability screens could consume 21.2 million additional tons of wood per year by 2023 of which 89% is roundwood or chips. In the West, announced projects that pass viability screens could consume 2.9 million additional tons of wood per year by 2023, of which 54% is roundwood or chips. In the North, announced projects that pass viability screens could consume 7.5 million additional tons of wood per year by 2023, of which 76% is roundwood or chips.
- **Regionally, the US North had the most updates** this issue with the removal of 14 projects from the *WBUS* database and 4 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.

Forisk Contact Information:

Amanda Lang
Managing Editor
ahlang@forisk.com

Brooks Mendell
Publisher
bmendell@forisk.com

Heather Clark
Customer Relations
hclark@forisk.com

Forisk Consulting
PO Box 5070
Athens, GA 30604
Ph: 770.725.8447
F: 770.725.8448

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