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.

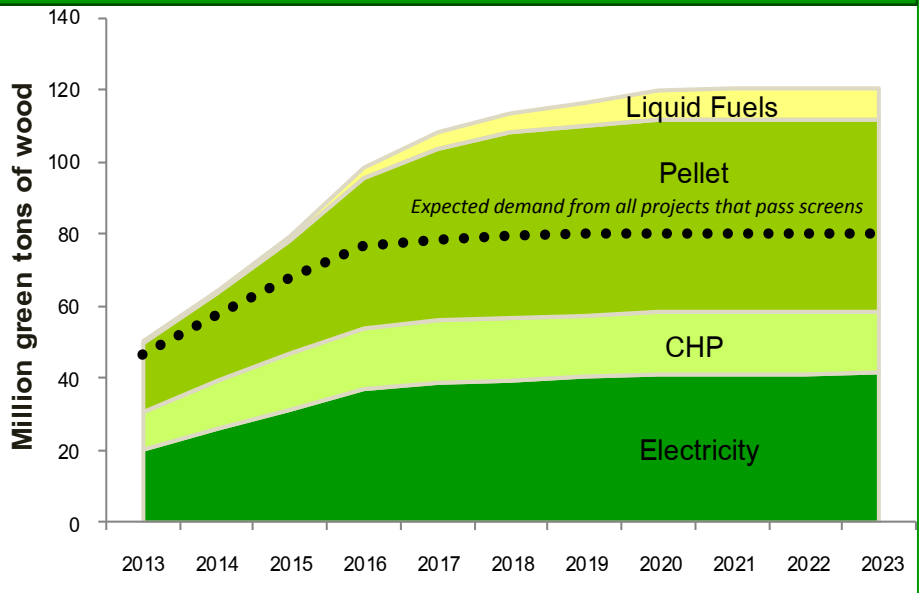
Free Summary

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	56	23	9	11	86	185	*136*	37,120,972	26,491,997
South	34	20	10	21	74	159	*90*	68,357,678	41,835,930
West	28	17	2	4	40	91	*62*	15,562,471	11,706,796
Total	117	60	21	36	200	435	*288*	121,041,121	80,034,723

- **As of May 2014, there are 435 projects in the *WBUS* database**. All announced and operating projects could use a total of 121.0 million green tons of wood per year by 2023. Projects that pass viability screens could consume 80.0 million tons of wood per year. Projected wood use from all projects by 2023 is down from the February 2014 estimate by 0.5 million tons per year.
- Announced projects in the South that pass viability screens could consume 17.2 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 1.4 million additional tons of wood per year by 2023, of which 53% is logging residues. In the North, announced projects that pass viability screens could consume 5.1 million additional tons of wood per year by 2023, of which 33% is pulpwood.
- Despite the similar wood use estimates since the last issue, many projects changed status. In total**, 19 projects were removed from the database, 10 projects were added, and 65 projects were updated**.

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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