# 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.

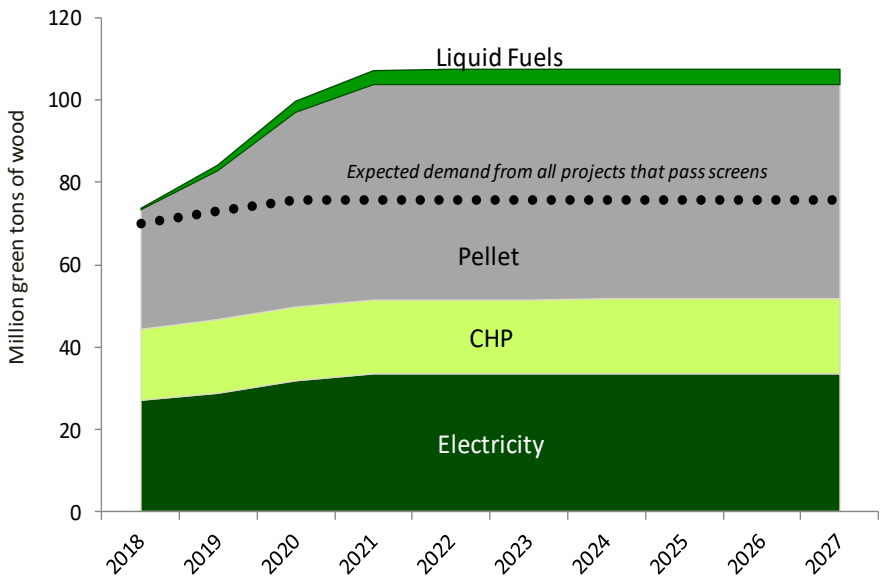
## Free Summary

**Number and Wood Use of Announced and Operating Projects, 2027**

| Region | Number of Projects by Type: Electricity | CHP | Thermal | Liquid Fuel | Pellet | Other | Total | *Total that pass screens* | Wood Use of All Projects gtons | Wood Use of Projects that Pass Screens gtons |
|---|---|---|---|---|---|---|---|---|---|---|
| North | 47 | 26 | 9 | 15 | 82 | 0 | 179 | *126* | 28,150,714 | 24,214,214 |
| South | 29 | 20 | 9 | 15 | 79 | 2 | 154 | *88* | 62,906,447 | 38,922,498 |
| West | 35 | 20 | 1 | 5 | 41 | 3 | 105 | *68* | 16,739,996 | 12,792,646 |
| Total | 111 | 66 | 19 | 35 | 202 | 5 | 438 | *282* | 107,797,157 | 75,929,358 |

- **As of July 6, 2018 there were 438 projects in Forisk's *Wood Bioenergy US* database.** All announced and operating projects could use a total of 107.8 million green tons of wood per year by 2027. Projects that pass viability screens could consume 75.9 million tons of wood per year.
- Of the 154 projects announced and operating in the South, 88 pass viability screens. In the West, 68 of the 105 announced and operating projects pass viability screens. In the North, 126 of the 179 announced and operating wood bioenergy projects pass Forisk's viability screens.
- Regionally, the U.S. North still has the largest share (45%) of viable wood bioenergy projects while the South accounts for 51% of the potential wood use for bioenergy.

**Estimated Wood Use by Announced Facilities**




**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 2027.
- 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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