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BIOMASSE
GUYANE

A VIRTUOUS BIOMASS SECTOR

**Side event, blue zone:
"100% renewable energy low carbon electricity mix in 2027 :
the example of French Guyana"
*Novembre 15th, 2025***

**Mélanie Bertherat
President
Association Biomasse Guyane**

5

*Biomass Plants
deployed 2010-2025*

29 MW

Installed Capacity

120 MW

Peak Demand

CONTROLLABLE, PREDICTABLE, STABLE electricity production units

5 biomass plants spread across the territory

Circular economy supply :

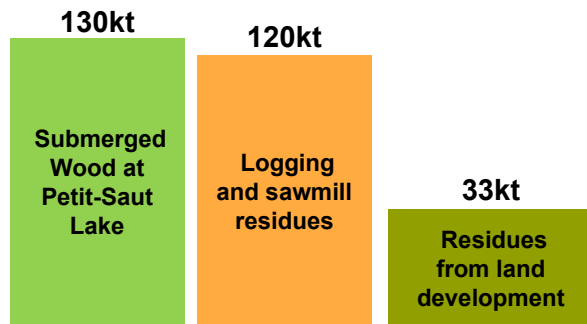
- Logging and sawmill residues
- Residues from agricultural, urban or industrial land development - land use planning
- Submerged Wood at Petit-Saut Lake

Other sources being explored :

- Old wooden pallets
- Agri-food waste



Focus on Forestry and sawmill residues



- Supervised by the National Forest Office
- PEFC certified-European Program For Certified Forests
- 5 trees harvested per hectare every 60 years
- Mixed timber wood harvesting and energy wood recovery





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Multi-benefits

Improvement of compliance
with environmental regulations

Biomass units are space efficient

Support for regional planning: roads, agricultural
land for food autonomy, housing development
(+5% annual population growth)

Structuring and securing additional
income for the timber industry

Sustainable support for subcontractors through
25-year biomass plant/EDF contracts
Income for local subcontracting companies and job
creation



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THANK YOU FOR YOUR ATTENTION

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