



AtlanticPower
Corporation



Allendale and Dorchester Biomass

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Plant Manager



History

- Started as EDF - online in November of 2013
- EDF sold to Atlantic Power in August 2019
- I Squared bought Atlantic Power in Spring 2021 – still operates as Atlantic Power – went from publicly traded to private ownership.



ASSETS

» Projects

- » Allendale
- » Cadillac
- » Calstock
- » Craven County
- » Dorchester
- » Frederickson
- » Grayling
- » Kenilworth
- » Koma Kulshan
- » Mamquam
- » Moresby Lake
- » Morris
- » Nipigon
- » Orlando
- » Oxnard
- » Piedmont
- » Tunis
- » Williams Lake



20 power plants – 1672 MW total capacity



Allendale/Dorchester Biomass Plants

- **30-year PPA (Power Purchase Agreement) with Santee Cooper**
- **PPA expires in 2043 - 21 years remain**
- **Each plant is a 20 MW plant**
- **Operate 24/7 – called baseload to power industry**
- **Maintenance - 2 outages per year -1 wk.**



Allendale/Dorchester Biomass Plants

- 42 direct employees
- 110 indirect jobs created
- These jobs are from collection, processing and transportation of biomass fuel to plants
- Annually
 - \$11 million into local economy for fuel
 - \$3 million into SC for businesses and services

Our focus is on the biomass fuel – **The Wood**

Fuel Wood Delivery





It's All About **The Wood**

- **At \$11 million annually, that is our largest cost**
- **We buy wood from 12 counties, within 50 miles of our plants**
- **Each plant uses approximately 780 tons per day – 5,400 tons per week - 270,000 tons per year of wood fuel**
- **We use a combination of chips, grindings, bark, pallets and sawdust**



It's All About **The Wood**

- We also look for opportunity wood such as storm wood



Our Wood Fuel



Ground Storm Debris

Anytime FEMA will pay for collection, grinding and shipping – we should be able to make a deal with you!



Our Wood Yard

- **We like to keep around 22,000 - 25,000 tons of inventory on the yard – about a month of inventory**
- **The yard will hold 28,000 – 30,000 tons which will run 35-40 days (not a lot of extra storage space)**
- **The blend that we like is around 30% - 40% Chips, 50% grind/bark, 10% sawdust or ground clean pallets**
- **We try to buy 220 loads / week**
- **Approx. 20 regular suppliers per plant**



Our Wood Yard









How can we help you ?

We can take a lot of processed storm wood
and pay you for it!

How can you make this possible ?

- Have contractors collect it to a reasonable location-within 35 miles preferably. Can go out as far as 50 miles if needed.
- Keep it clean – no contaminants
 - DHEC won't allow us to burn it if there are plastic bags or other garbage mixed in.
 - Other contaminants (metal, rock) will break our equipment

Debris Contractors want to make fast money, then leave!





How can you get the most money for your storm debris?

For Atlantic Power

3" minus grind

Collect to a site within 35 miles of our plants

Spread out deliveries over time

Avoid any extra handling – grind it and load it once

Ask your emergency contractor to consider logistics of getting it to us **AHEAD OF THE EMERGENCY!!!**



Why should you send us your storm debris?

Lowest total cost for storm debris removal

Support for local economy

Lower power cost to customers

Alternatives –

- 💀 Burning on the ground?**
- 💀 Huge piles left after the contractor leaves?**



Last thoughts and an idea:

We are always looking for alternative and new sources for biomass.

We can work with Counties that can produce quality ground material then utilize it in an economical and responsible manner that has benefits in our communities. We can avoid landfilling and open burning.

How:

- Invest in a mobile grinder for your county or EMS division, Cooperative ownership could qualify for USDA funding
- Use it in a regular rotation of sites for grinding wood for mulch or fuel wood use.
- Have it available to use during the next storm