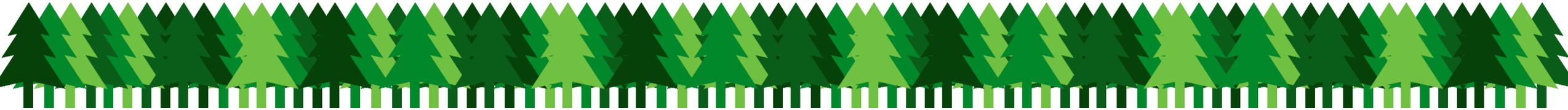




Driving the Growth of Forests, Jobs, and Georgia's Economy

Georgia House of Representatives
Rural Development Council
Waycross, GA
October 25, 2017

Barry J. Parrish, R.F
Georgia Biomass
Fiber Procurement and
Sustainability Manager



What does GEORGIA BIOMASS do?



THE WORLD'S LARGEST PELLETT PLANT

Major Contributor to 8% of Total Exports from Georgia Ports

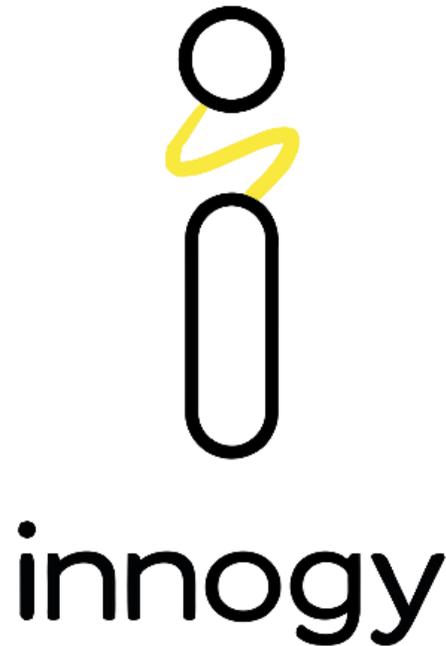
European Industrial Markets

- Primarily UK, Netherlands, and Belgium
- 20% of Europe's total energy needs must be supplied with renewable forms to comply with Renewable Energy Directive
- Demand for wood pellets is higher than EU supply

US Residential Heating Market

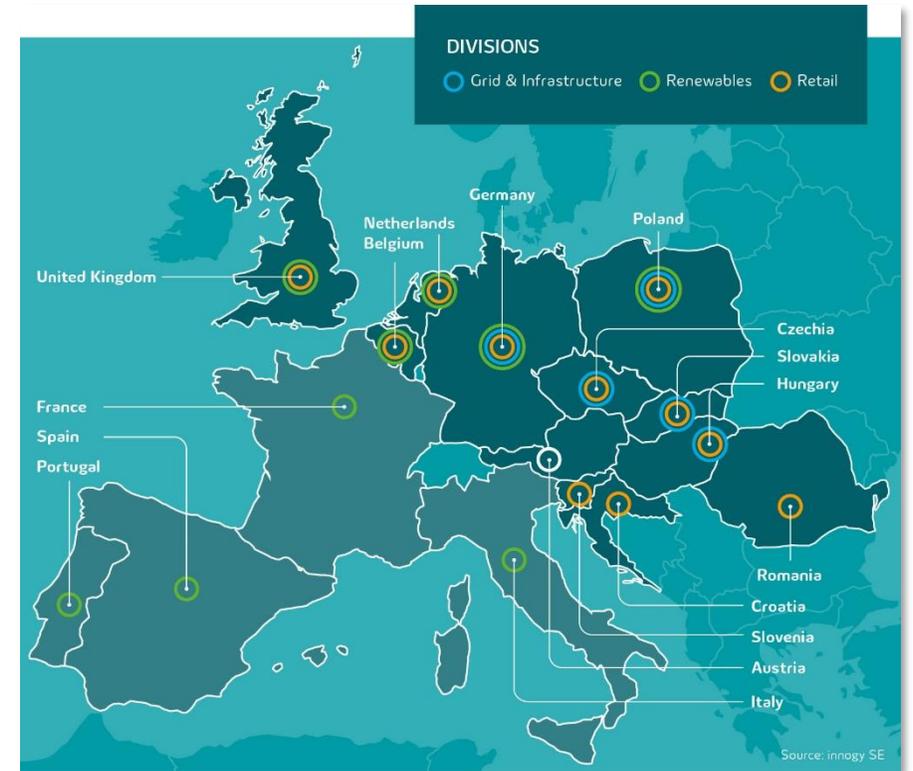
- One of the few US industrial pellet producers selling into the residential heating market

Who is GEORGIA BIOMASS?



Retail, Distribution, and Renewables

Focused on a modern, decarbonized, decentralized, and digital energy world



23 Million Customers

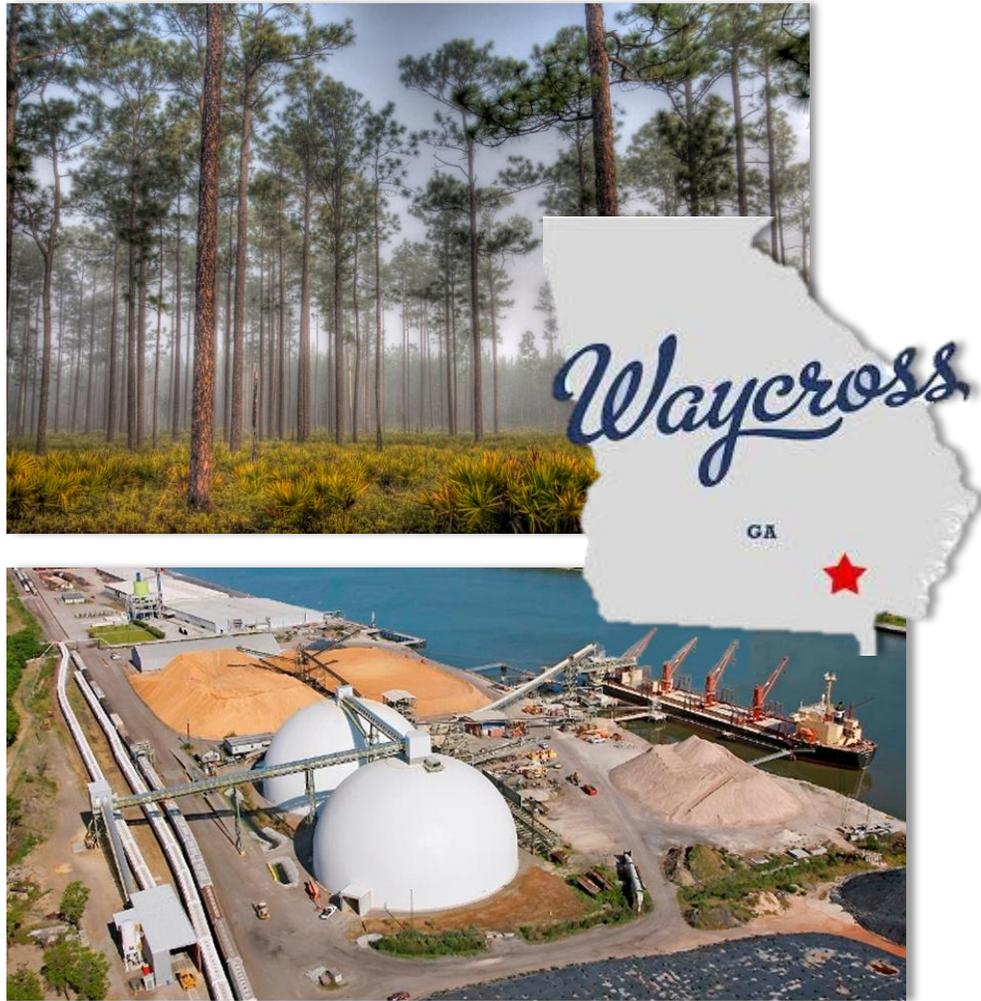
Leader in eMobility in markets such as Silicon Valley, London, and Berlin



How does GEORGIA BIOMASS protect the environment?



Why is **GEORGIA BIOMASS** in Waycross?



State and Local Support: Land, tax incentives, grants

Available Workforce: Georgia Work Ready

Fiber Supply: Declining pulp and paper demand, abundant and sustainable fiber supply

Existing Supply Chain: Landowners, logging companies, trucking companies, sawmills, railroad, port facilities

How does GEORGIA BIOMASS impact the local economy?

92

Employees

\$8M

Salaries

\$52M

Parts and Maintenance



**Sourcing
Agreements**

\$60M

Timber & Logging

500

Individual Land Owners

What's **GEORGIA BIOMASS**' value to Rural Georgia's economy?

600+

**Logging
Jobs**

350+

**Trucking
Jobs**

63K+

**Trucking
Deliveries**

7600+

**Railcars
annually
to Port of
Savannah**

What's the future for **GEORGIA BIOMASS**?

- Currently in a sold out position and expected to continue into the foreseeable future
- EU demand is on track to increase by 25% in next two years
- Phase II of the Renewable Energy Directive will increase renewable energy goals for EU beginning in 2021
- The market is transforming to be more global, resulting in an increased demand on the overall market and for long-term off-take agreements
- Within the next 10 years, Japan and South Korea *alone* are expected to match the EU demand which would double global demand

Who is this guy?



Barry J. Parrish, R.F
Georgia Biomass
Fiber Procurement and
Sustainability Manager

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Barry J. Parrish is responsible for fiber supply and sustainability standards for the US biomass business of the German parent company Innogy SE. Georgia Biomass, LLC is an industry leader in the production of pelletized wood products and operates the largest wood pelletizing plant in the world. In his role, Barry is responsible for managing and planning fiber supply, developing and maintaining supplier relationships, negotiating long term supply agreements, and developing and implementing fiber supply strategies that deliver lowest total costs for the long-term. Barry is also responsible for maintaining sustainability certifications and ensuring the highest sustainability standards are met as required by our stakeholders in the United States and Europe.

Barry has over 35 years experience in the forest products industry, and prior to his role with Georgia Biomass, LLC held various management positions with Smurfit-Stone Container Corporation where his last position was in fiber procurement responsible for fiber supply for their Fernandina Beach, FL. Linerboard mill. Prior to that he had responsibilities for asset security, corporate compliance, and sustainability compliance for 15 paper mills located in the US and Canada. He was also the Georgia Land Manager responsible for the forest management of over 400,000 acres of forestland.

Barry is presently on the Board of Directors of the Forest Resources Association and the Georgia Forestry Association. He is also a member of the Assurance Framework Development Group of the Sustainable Biomass Partnership and has been Chairman of the National Forest Products Security Group and the Southeast Forest Products Security Group. Locally, he is a Leadership Waycross Alumni and past Chairman of the David A Wall Junior Golf Association.

Barry holds a BS degree in Forest Resources from the University of Georgia and is a Registered Forester and Certified Fraud Examiner. He has two beautiful daughters, Bailey and Ansley; and a grandson, Duke.

