



J. David Dunagan

# Georgia Energy Innovation Center



# What is a Center of Innovation?



The Georgia Centers of Innovation are the critical link between strategic industries, research universities, financial resources, and the regulatory community.

# GA Centers of Innovation



- **Agriculture**
- **Aerospace**
- **Energy**
- **Life Science**
- **Logistics**
- **Manufacturing**

# Our Mission



Georgia®

Centers of Innovation

Energy

***“To increase production and use  
of renewable energy and biofuels  
in Georgia”***

# The Governor's Directive



- ***Grow the Feedstock in Georgia***
- ***Produce the Fuel in Georgia***
- ***Use the Fuel in Georgia***

# One Stop Shop



- **Pre-screened**
- **Invitation only**
- **Contact Info**
- **Permitting Checklist**
- **One Hour**
  - **Present**
  - **Q & A**
  - **Roundtable**

# ONE STOP SHOP



Georgia®  
Centers of Innovation  
Energy

- Energy Innovation
- Agriculture Innovation
- Governor's Office
- Lieutenant Governor's Office
- GA Environmental Facilities Authority (GEFA)
- GA Department of Agriculture
- GA Department of Natural Resources
- GA Department of Revenue
- U.S. Environmental Protection Agency
- GA Department of Community Affairs
- GA Department of Economic Development
- Division
- GA EPD Small Business Environmental Assistance Program
- GA EPD Air Protection Branch
- GA Forestry
- Herty Advanced Materials Development Center
- State Fire Marshall
- United States Department of Agriculture
- University of Georgia
- Georgia Tech
- Georgia Railroad Association
- UGA Small Business Development Center

# State of the Bioenergy Industry



## Ethanol

Company	Location / County	Feedstock	Production Capacity (gallons/year)	Status
First United Ethanol	Camilla / Mitchell	Corn	110 Million	Operational
US Ethanol	Cordele / Crisp	Waste Liquid	4 Million	Operational
Windgap Farms	Baconton / Mitchell	Yeast	.05 Million	Operational

## Pellets

Company	Location / County	Feedstock	Production Capacity (tons/year)	Status
Fram Fuels	Baxley / Appling	Dirty & Clean Chips	145,000 Tons	Operational
Woodlands Alternative Fuels	Meigs / Thomas	Sawmill residue	150,000 Tons	June, 2009

## Electricity

Company	Location / County	Feedstock	Production Capacity (per year)	Projected In Service Date
Rollcast	Heard County	Dirty Chips	50 Megawatts	2010
BG & E	Cumming / Forsythe	Dirty Chips	30 Megawatts	2009
Decker Energy	Fitzgerald / Ben Hill	Dirty Chips	50 Megawatts	2012
Georgia Power	Albany / Dougherty	Dirty Chips	96 Megawatts	2010
Oglethorpe Power	Pending 2 or 3 sites	Dirty Chips	(3) 100 Megawatts	2014
Rollcast	Lagrange / Lamar	Dirty Chips	(2) 50 Megawatts	2010; 2012
Summit Energy	Ft. Gaines / Clay	Dirty Chips	100 Megawatts	2010
Tyson	Cartersville / Bartow	Waste (Chicken)	5 Megawatts	2008

\*Dirty Chips = whole tree with bark &/or leaves; manufacturing residue. \*Clean Chips = wood only

# State of the Bioenergy Industry



## Biodiesel

Company	Location / County	Feedstock	Production Capacity (gallons/year)
Alterra Biofuels	Gordon /Williamson & Plains/Sumter	Soy Oil	15 Million
Bulldog Biodiesel	Ellenwood / Clayton	All	25 Million
Farmers & Fleet	Augusta / Richmond	All	5 Million
Georgia Mountain Biofuels	Toccoa / Stephens	All	2 Million
Inland Oil	Bainbridge / Decatur	Soy Oil	10 Million
Middle GA Biofuels	Dublin / Laurens	Waste Grease	1 Million
Soy Met	Rome / Floyd	Soy Oil	4 Million
Sunshine Biofuels	Camilla / Mitchell	Soy Oil	6 Million
U.S. Biofuels	Rome / Floyd	Chicken Fat	14 Million

## Under Construction

Company	Location / County	Feedstock	Production Capacity (gallons/year)	Status
East Coast Ethanol	Mt. Pleasant / Banks	Corn	110 million	November, 2009
Georgia Alternative Energy	Ashburn / Turner	Corn	55 million	January, 2010
Range Fuels	Soperton /Trentlen	Dirty Chips	10 million	November, 2009

# For More Information Contact:



**Jill Stuckey**  
**404-584-1041**  
**[jill@gefa.ga.gov](mailto:jill@gefa.ga.gov)**

**J. David Dunagan**  
**404-584-1105**  
**[jdavid@gefa.ga.gov](mailto:jdavid@gefa.ga.gov)**

Or visit **<http://energy.georgiainnovation.org>**