

INEOS Bio

Commercialization of Advanced Biofuels From Waste

Dan Cummings
Vice President
INEOS Bio

Biomass 2013

July 31, 2013



Indian River BioEnergy Center Vero Beach, FL



Indian River BioEnergy Center

Vero Beach, Florida



- 8mmgal/yr cellulosic ethanol
- 6 MW gross power generated
- Vegetative & Yard Waste + MSW
- Strong US, State government partnership
- Renewable Power Generation
 - 3Q 2012
- Cellulosic Ethanol Production
 - July 2013

Major Milestones

- First to achieve Commercial Scale in the world with waste-derived cellulosic ethanol
 - First Shipments in August
- Achieved 90% of rated capacity in power generation
- Run over 6 types of waste-biomass material at commercial scale
- Significant progress validates the technical and economic viability of the technology at full commercial scale

Economic Benefits

- Total Jobs - over 400 created & retained
- \$130m+ project
- 65+ Full time jobs
- \$4m+ in payroll to local economy
- 90% of equipment - U.S. Sourced
- Millions invested in the the State of Florida and the local community

The First Commercial Biorefinery using waste is Here



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