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, 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 State of Florida and the local community
The First Commercial Biorefinery using waste is Here
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