



**Biomass 2013**  
**Celebrating Successes –**  
**The Foundation of an Advanced Bioindustry**

Breakthrough cellulosic hydrocarbon-based fuel technology

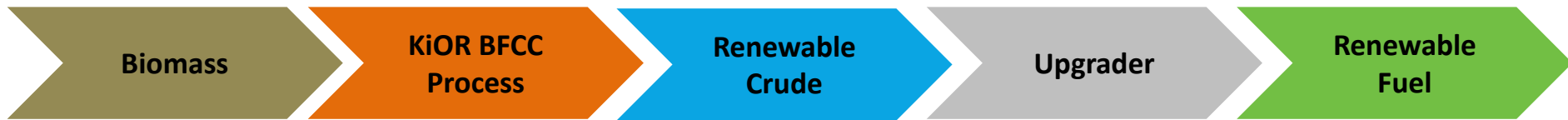
Scalable leveraging established refining technology

Flexible, non-food feedstock input

Cost competitive with traditional E&P in near term

Significant economic benefit for local communities

## Proprietary Catalyst Leveraging Proven Process Technology



**Biomass Fluid Catalytic Cracking (BFCC)**

**STEP 1**

**Upgrading**

**STEP 2**



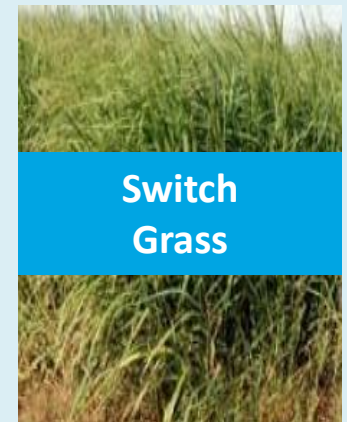
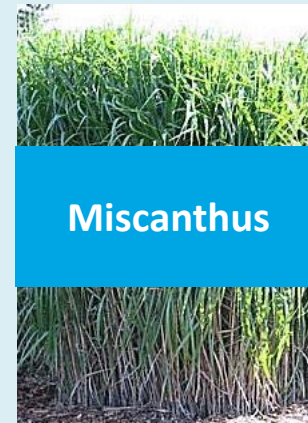
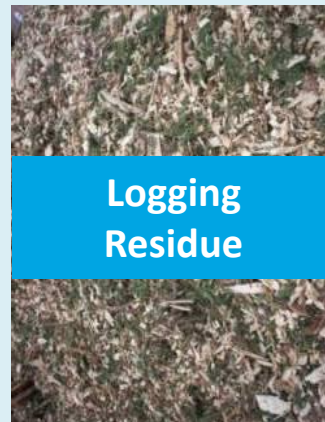
# Non-food Feedstock, a Sustainable Approach

## Social Responsibility

- Given the growing world population, KiOR's focus is non-food feedstock
- Non-food feedstock does not compete with human food needs

## Sustainable Feedstock

- Surplus Southern Yellow Pine - initial feedstock
- Promotes sustainable forestry - harvest fraction of surplus



# KiOR Fuels - Not Biodiesel, Not Ethanol

Virtually  
Identical to  
Fossil Fuels



\$2 trillion Fuels Market

- KiOR fuels produce same energy as fossil fuels
- Compatible in existing engines, cars & trucks

Compatible  
with Fuel  
Distribution  
& Market



Existing Infrastructure



Distribution

- KiOR has no blendwall limits
- KiOR drops into today's infrastructure

Market  
Acceptance



Access to Market

- First fuel 100% sold before construction
- Readily accepted by conventional fuels market:
  - Major fleet users
  - Refiners



**INVESTMENT IN PLACE &  
PRODUCING TODAY**

- RFS2 emphasizes production of cellulosic biofuels from non-food sources
- KiOR brought world's first commercial-scale cellulosic fuels on line in Columbus, MS
- Columbus has a capacity of 13 million gpy, enough to fuel over 25,000 cars
- These fuels “drop-in” and can be blended seamlessly into the U.S. fuels infrastructure
- KiOR plans to break ground on a standard commercial scale facility with a capacity of 40 million gpy
- Annual volumes will be increased through R&D and process engineering efficiencies



# KiOR Makes RFS2 Achievable



**CELLULOSIC FUELS ARE ON  
THE ROAD TODAY AS  
A RESULT OF RFS2**

- Biomass in the Southeast is sufficient to meet 2022 RFS renewable fuel mandate using KiOR technology
- The Southeast can fuel over 1/3 of the cars in the US with biomass on a sustainable basis and with 80% less greenhouse gas emissions as compared to conventional fossil fuels

## Number of Cars Biomass Can Fuel in US (in millions)

Biomass Type	Region	
	Southeast US	Entire US
Agricultural Residuals	24	200
Energy Crops	68	200
Forest Residue	11	25
<b>Total</b>	<b>103</b>	<b>425</b>

Data from EPA RFS Regulatory Impact Analysis



## KiOR CAN REVITALIZE RURAL AMERICA



- KiOR locates plants in rural areas with sustainable biomass resources
- All feedstocks are non-food crops and sustainably harvested
- Focus is on communities affected by plant closings that need jobs and investment
- Each KiOR facility is an economic engine
  - \$350 million local investment
  - \$200 million annual revenue
  - \$90 million annual local procurement
  - Millions in increased local tax revenue
  - 500 construction jobs
  - 100 plant jobs
- KiOR puts people back to work through retraining and education



# KiOR Offers a “Win-Win” Fuels Solution



Rural Jobs



Sustainable Processes



Environmentally Friendly



Energy Independence

These slides and the accompanying oral presentation contain “forward looking” statements regarding future results and events, including, without limitation, statements about: the start-up of and commercialization at our biomass-to-fuel facility in Columbus, Mississippi, potential future sales of our fuels products, and our anticipated future operations and plans for financing. For this purpose, any statements contained herein that are not statements of historical fact may be deemed forward looking statements. Without limiting the foregoing, the words “believes,” “anticipates,” “plans,” “expects,” “intends,” “appears,” “estimates,” “projects,” “will,” “would,” “could,” “should,” “targets,” and similar expressions are also intended to identify forward looking statements. The forward looking statements in this presentation involve a number of risks and uncertainties. The Company’s actual future results may differ significantly from the results discussed in the forward looking statements contained in this presentation. Such factors and others are discussed more fully in the section entitled “Risk Factors” in the Company’s Annual Report on Form 10-K as filed with the United States Securities and Exchange Commission (SEC) on March 18, 2013, and the Company’s other filings with the SEC, all of which are incorporated by reference in this presentation. If any of these risks or uncertainties materialize, or if our underlying assumptions prove to be incorrect, actual results, levels of activity, performance or achievement may vary significantly from what we projected. The Company specifically disclaims any obligation to update these forward looking statements in the future.