Biomass 2013
Celebrating Successes –
The Foundation of an Advanced Bioindustry
KiOR: a Unique Renewable Fuels Company

- 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
KiOR’s Two Step Biomass-to-Fuel Process

Proprietary Catalyst
Leveraging Proven Process Technology

Biomass → KiOR BFCC Process → Renewable Crude → Upgrader → Renewable Fuel

Woody Biomass; Energy Crops → Proprietary Catalyst → Hydrocarbons → Proven Refinery Process → Today’s Gas & Diesel

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

- Wood Chips
- Whole Tree Chips
- Logging Residue
- Miscanthus
- Switch Grass
KiOR Fuels - Not Biodiesel, Not Ethanol

Virtually Identical to Fossil Fuels

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

$2 trillion Fuels Market

Compatible with Fuel Distribution & Market

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

Existing Infrastructure

Market Acceptance

- First fuel 100% sold before construction
- Readily accepted by conventional fuels market:
  - Major fleet users
  - Refiners
RFS2 Accelerates Cellulosic Fuels Production

- 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

• 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)

<table>
<thead>
<tr>
<th>Biomass Type</th>
<th>Region</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Southeast US</td>
</tr>
<tr>
<td>Agricultural Residuals</td>
<td>24</td>
</tr>
<tr>
<td>Energy Crops</td>
<td>68</td>
</tr>
<tr>
<td>Forest Residue</td>
<td>11</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>103</strong></td>
</tr>
</tbody>
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Data from EPA RFS Regulatory Impact Analysis
KiOR Facilities Spur Local Economic Growth

• 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
  o $350 million local investment
  o $200 million annual revenue
  o $90 million annual local procurement
  o Millions in increased local tax revenue
  o 500 construction jobs
  o 100 plant jobs

• KiOR puts people back to work through retraining and education

KiOR CAN REVITALIZE RURAL AMERICA
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.