

The Cure for Diesel

Company Overview

April, 2009

Springboard Biodiesel

Springboard Intro

- Based in Chico, CA
- Leading provider of small scale RVO-based biodiesel processors
 - BioPro processor line [currently] produces 100 - 350 gallons / week
 - SpringPro Drywash line cleans raw biodiesel without water
 - 15 certified dealers in the US - emerging international distribution
 - Broad base of customers: universities, small businesses, co-ops, farms, municipalities and individuals
 - Large market with tremendous growth metrics
 - Exciting new product roll-out planned for 1-H 2009
- Emerging player in the larger-capacity (1,000 gallons per day) “brown grease” biodiesel conversion market
 - Compelling proprietary technology focused on a complimentary large market opportunity



Springboard Biodiesel

Our Mission:

Springboard Biodiesel is committed to providing innovative biodiesel products and technologies that are both environmentally and economically beneficial and which help make biodiesel the preferred option, not just a sustainable and renewable alternative.



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The Biodiesel Processor / Drywash Line:

- Unrivaled quality construction, intelligent automation, rapid payback and ASTM-grade output provides a clean, renewable, sustainable and profitable energy alternative
- Over 500 units in operation | over 4.7MM gallons of installed biodiesel production capacity

New Product



BioPro™ 150
40 Gallons



BioPro™ 190
50 Gallons



BioPro™ 380
100 Gallons



SpringPro™ T76
w/BioPro™ 190



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Case Studies

Daphne Utilities, Daphne, Alabama:

- 10,000 customers
- Bought a BioPro 190 in 2007 and initiated “Cease the Grease” voluntary program
- The Utility collects 300-500 gallons of grease/month
- Daphne uses all of the biodiesel it produces in a B-20 blend
- Annual savings \$10,000 (assuming diesel at \$2.00/gallon)

Sierra Nevada Brewery, Chico, California:

- One of the largest independent breweries in the US
- Company-wide commitment to alternative energy deployment
- Bought a BioPro 190 in 2007 and uses grease from it on-site restaurant
- The Brewery uses its biodiesel in its local beer delivery trucks in a B-10 blend

University of Wisconsin

- One of **18** universities and high schools currently using a BioPro
- Designed a curriculum that incorporates biodiesel processing
- The university uses RVO collected from its cafeterias and uses the biodiesel to power its campus vehicle fleet – tractors, lawn mowers, trucks, etc.

The Dirty Hands Biodiesel Cooperative, Seattle, WA:

- Founded in June 2007 – 24 members
- Members supply grease and receive a \$1.00 incentive for doing so
- BioPro 190 is the only processor – operates 24/7 and makes 150 gallons/week
- Founder, Lyle Rudenesey is an active educator and has introduced biodiesel and the BioPro to over 1,200 students



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How Beneficial is Biodiesel?



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Springboard's 2008 Carbon Impact*

** Assumes 85% usage of total capacity installed in 2008*



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Commercial Biodiesel vs Diesel Pricing

- Historically, commercially produced biodiesel has been priced at a significant premium to diesel #2

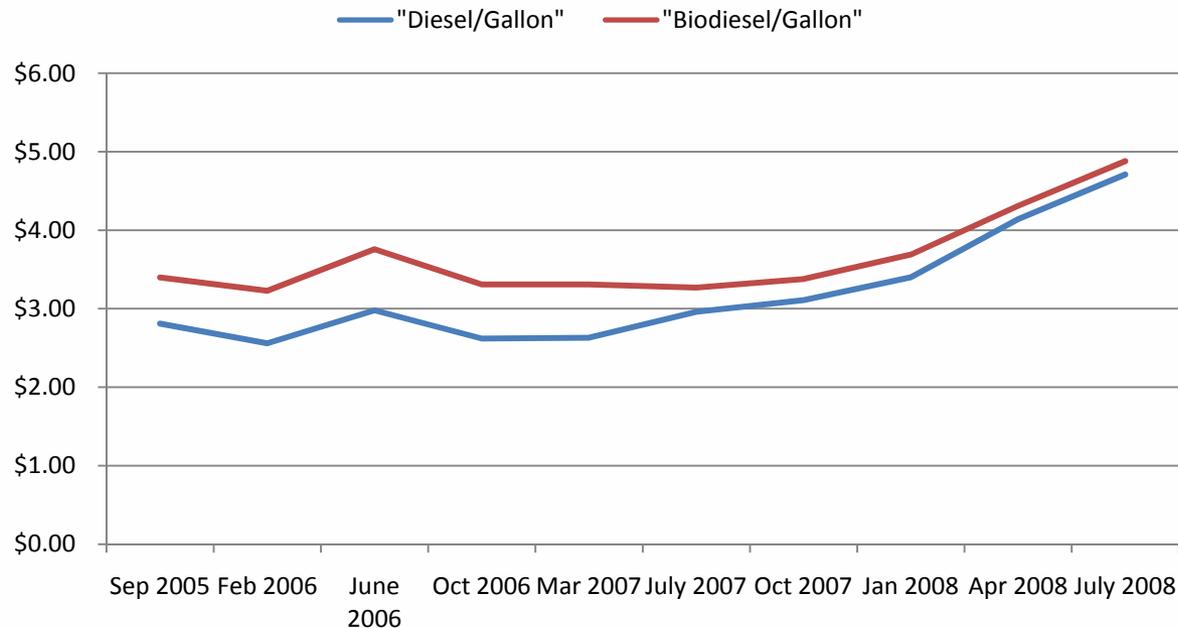
- Soybean oil is an expensive and volatile commodity
- Limited retail pump infrastructure hampers the development of economies of scale



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Commercial Biodiesel vs Diesel Pricing

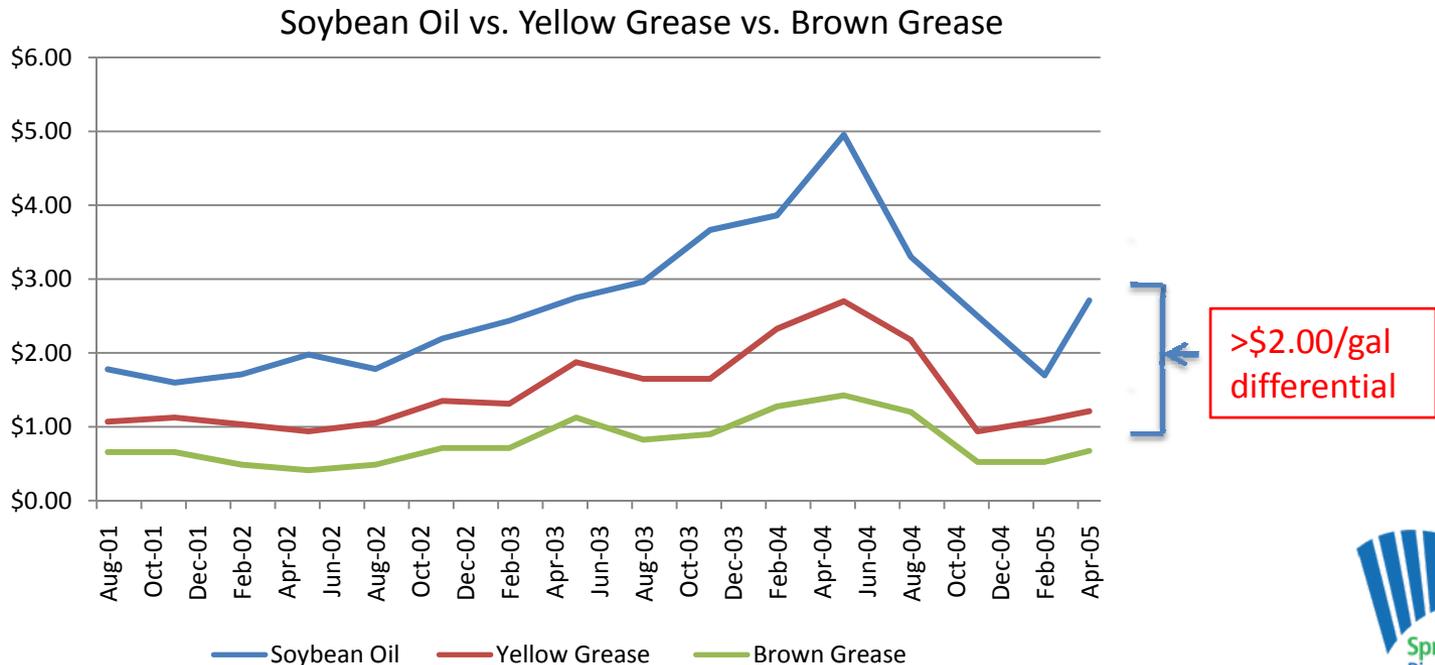
- As a result, commercial soy-based biodiesel production is overly dependent on government subsidies and tax incentives



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RVO Feedstocks Create Economic Value

- Grease as a feedstock – especially brown grease – provides a meaningful cost advantage...and it's renewable!



Source: The Jacobsen



Springboard Biodiesel

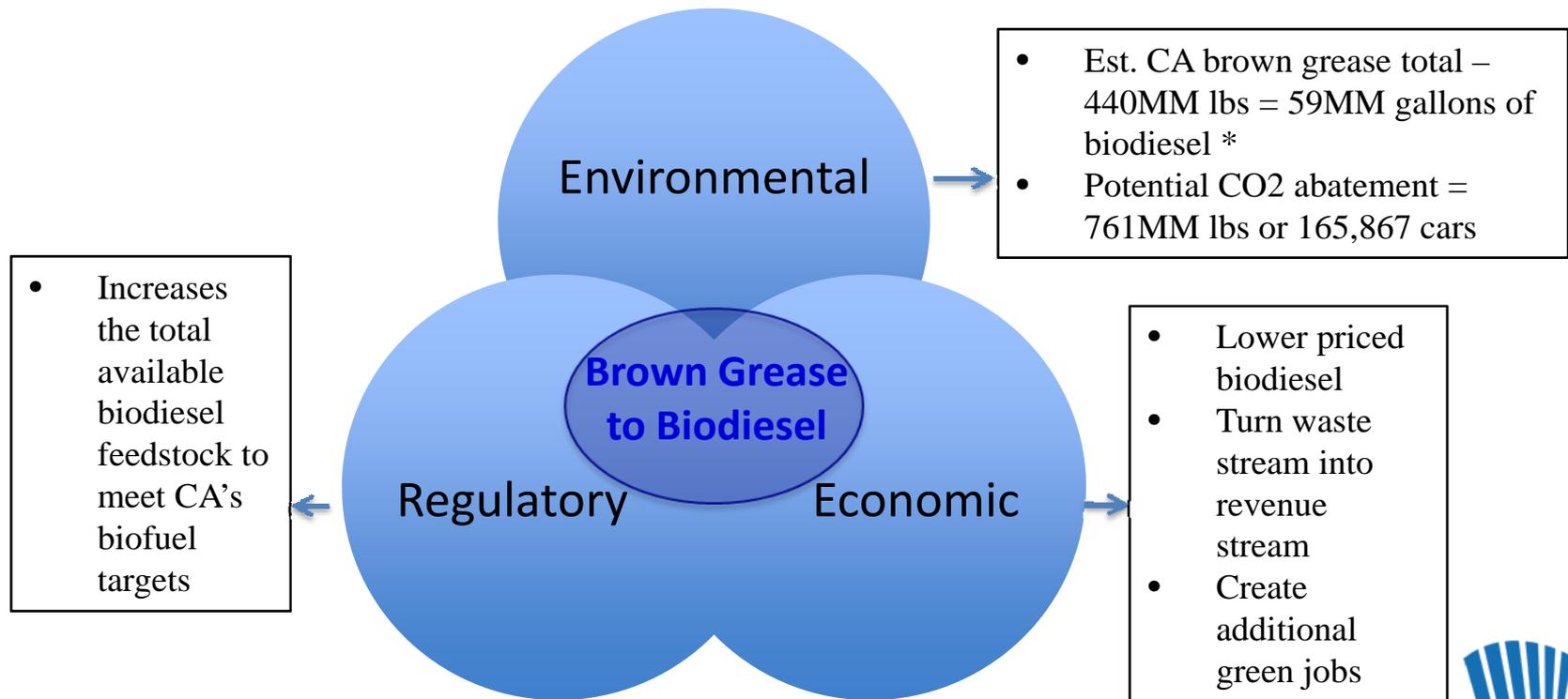
Springboard Biodiesel's Brown Grease Reactor

- We have successfully developed a proprietary, continuous flow reactor employing super-critical methanol (also works with ethanol)
 - Over \$100,000 invested in R&D
- To date, Springboard Biodiesel has processed 2,500 gallons of brown grease – FFA% of 15% - 93% - into ASTM-quality biodiesel
- Current production cost per gallon = \$1.10/gallon, assuming 6¢/lb brown grease
- The current proto-type can process 250 gallons/day.
- We need to develop a commercial-scale processor



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Benefits from a Brown Grease Solution



* George Wiltse: http://www.biodiesel.org/resources/reportsdatabase/reports/gen/19981001_gen-107.pdf



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Financial Model

- We need \$500,000 to finance the development of our 1,000 gallon/day commercial scale brown grease to biodiesel reactor
- This will allow us to achieve the following:
 - Commercialize underlying technologies
 - Develop and test scaled-up components and sub-assemblies
 - Retain current employees
 - Hire two additional engineers
 - Enhance system reliability and safety
 - Place into production a commercial reactor with 1,000 gallon/day capacity: thereby potentially saving \$400K and eliminating 4.5MM lbs of CO₂
 - Proactively reduce air pollution in the North Central Valley
 - Provide CA biodiesel producers with an economically attractive, multi-feedstock production model
 - Continue to build upon emerging biodiesel technology expertise in the North Central Valley

