



Green Range Renewable Energy
BIODIESEL MICROBREWERY

Local Biodiesel The Microbrewery Model

Jeffrey Baldrige

Green Range Renewable Energy

Ironton, MN



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Green Range Renewable Energy

Northern Minnesota's Biodiesel Microbrewery

**With Minnesota's only
Wind Powered Fuel Pump**

**BIODIESEL'S
HOME ON THE RANGE!**

Ironton, MN ★





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Microbrewery?



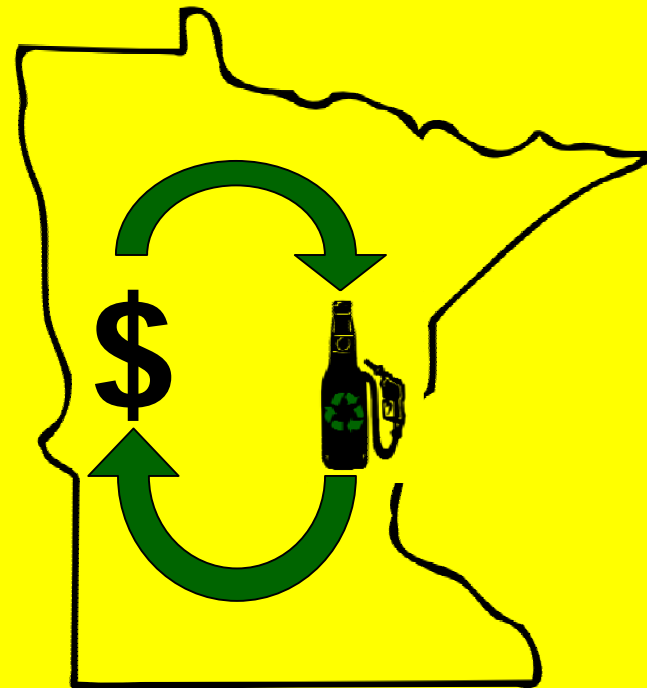
- Small Biodiesel Plant
- Serves Local Community Fueling Needs
- Ideally tied to local source of oil
- Direct to Retail as much as Possible



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Imagine

- Minnesota burns 1 Billion gallons of diesel fuel every year.
- If all that money and industry stayed in the state (or at least the country)

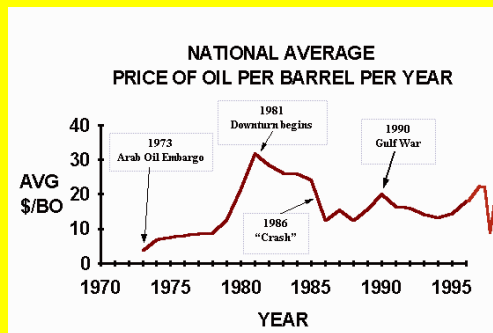




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Local Opportunities

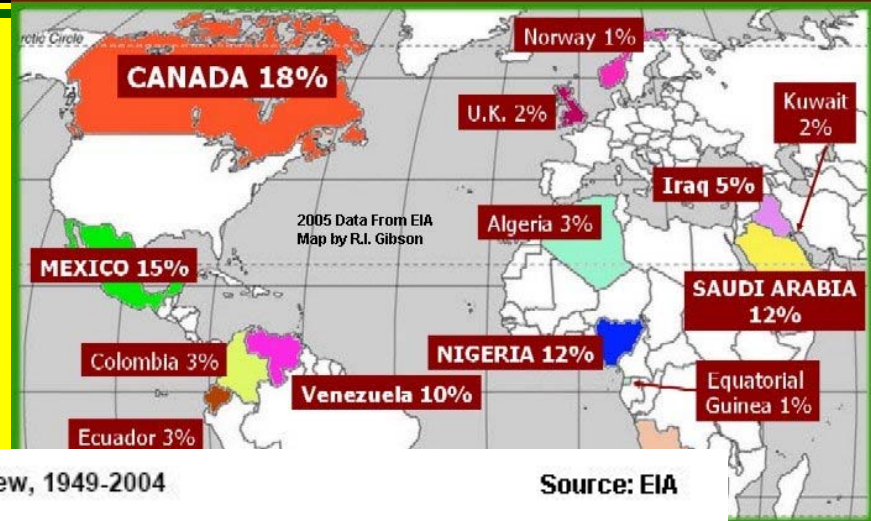
- Environmental
- Political
- Social Responsibility
- Security



Where does US imported oil come from?

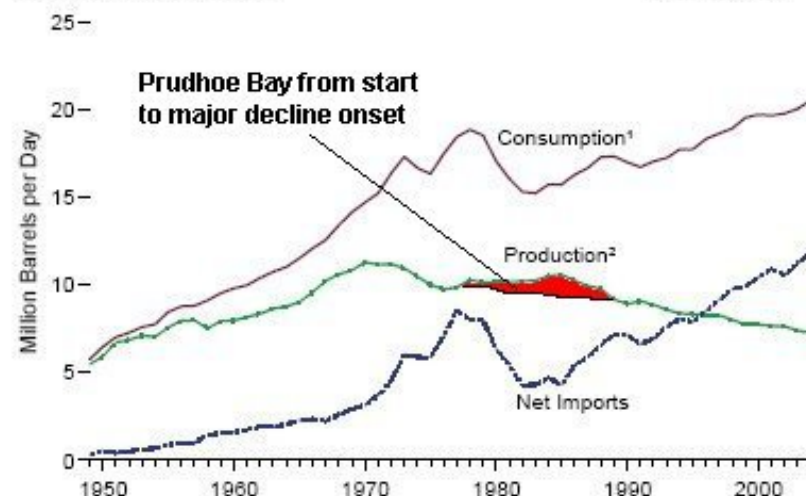
97% is from 14 countries; 57% is from 4 countries.

November 2005



Overview, 1949-2004

Source: EIA





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Local Fuel

Every community needs a Biodiesel Microbrewery

- Grown Locally
- Processed Locally
- Used Locally
- Employment - Not Deployment





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Small Biodiesel Challenges

- Quality Control
- Regulatory Compliance
- Feedstocks



- Commodity Driven Markets
- All the Normal Small Business Challenges
 - Capital
 - Business Planning
 - Staffing



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Call to Action

- Streamline Red Tape
- Organize Local Cooperatives
- Incentives for Biofuels
 - Use
 - Manufacturing
 - Crops





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A day at the Pump: Me



Not just an owner, but a proud customer.





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A day at the Pump



- 3rd time filling up
- “Same mileage”
- Likes the price



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A day at the Pump: Deerwood Lumber



- Runs all 11 trucks on it.
- “Little better mileage”
- Wife happier about less diesel smell



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A day at the Pump: Doug



- Likes supporting Energy Independence
- “Great in tractors”
- No stink



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A day at the Pump: New Customer

Local Contractor





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A day at the Pump: Pillsbury Portables



- From Staples
- Fill up every week
- “Bearable smell”



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A day at the Pump: Northburg Excavating



- Our first customers
- Like the price
- No problem
- “Just get in the trucks and go”



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A day at the Pump



- No problems
- No change in mileage



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A day at the Pump: Lonny J&L Construction



- “No loss of power”
- “Easier on the pocket book”
- 3-4 fills per week
- Semi and Generators, too.
- Biodiesel is all they use



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A day at the Pump: Lonny J&L Construction

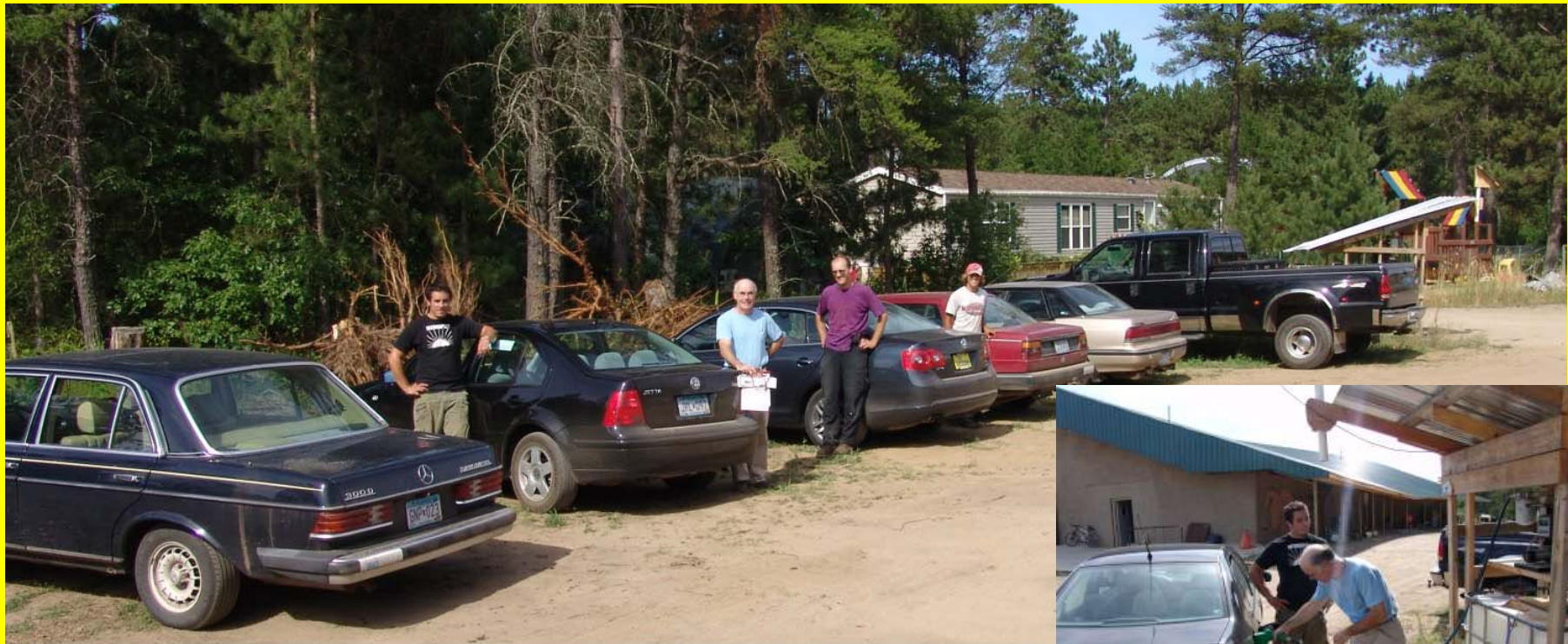


- “Cleaned the fuel tank”
- “Runs quieter”
- “Runs cooler” 190 vs. 195



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Our Customer: Hunt Utilities Group





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It's a Win-Win-Win-Win



**GREEN IS THE NEW
RED, WHITE & BLUE**