

Canola Council's Diesel Digest

Hop on the bus, Gus; Make a new plan, Stan!

Volume 1, Issue 2, May 16, 2006

Over the past two years, four Saskatoon Transit Services buses each dubbed the BioBus utilized a 5% blend of canola biodiesel. Biodiesel blends have the potential to reduce greenhouse gas emissions. In the city-driving cycle, it was calculated that the B5 blend decreased Greenhouse Gas emissions by 6.6 to 8.2% based on fuel economy savings and the substitution of seasonal diesel with biodiesel. Fuel consumption numbers were positive with respect to the B5 blend in 3 of 4 buses. Bus 419 experienced a fuel use reduction of 2.7%, Bus 9704 had a 4.3% decrease and Bus 9705 indicated a 2.8% reduction.



[For more details, click here: \(SASKATOON BIOBUS\)](#)

Biodiesel: The future's fuel

ADM German crush facility getting bigger

Archer Daniels Midland Company announced an expansion of its Hamburg, Germany facility with the addition of a palm oil refinery that will have an annual capacity of 350,000 tonnes (MT) per year. The expansion will also add 50,000 MT of additional storage capacity allowing the facility to receive Panamax-size vessel shipments. With the addition of the palm oil refinery, the facility will have a capacity of over one million MT per year of rapeseed, soy and palm oils making it Europe's largest vegetable oil refinery. The Hamburg facility also includes Europe's largest soy and rapeseed crushing plants. Construction is dependent upon applicable governmental approvals, and the plant is expected to be operational in early 2007.

Diesel Digest

The Canola Council's News-wire on World Developments in Biodiesel

[More Details: \(INDUSTRIAL NEWS\)](#)

"If all levels of government and corporations truly work together to adopt new and emerging green technologies, we will not only bring costs down but set examples for others to follow," **Deputy Mayor of Toronto, Joe Pantalone at the inaugural Green Fleet Expo at Exhibition Place in Toronto, May 15, 2006**

Biodiesel is a growing business

"We now have biodiesel," read the sign at Brooky's Citgo in Glandorf, Ohio. Biodiesel isn't easy to find. It is an industry still finding its wings in Ohio. There are only two biodiesel producers in the state, American Ag Fuels in Defiance and Peter Cremer North America in Cincinnati. And while there is a third production plant being built near Dayton, the National Biodiesel Board reported there are no other plants in the works for Ohio.



Biodiesel blends are selling for about the same price as pure petroleum diesel. Where the biodiesel makes its mark is in its ability to clean an engine and increase fuel efficiency.

The demand for biodiesel last year was 75 million gallons. Jackson said that should go up past 100 million gallons this year. It is all a drop in the bucket, however, considering 44 billion gallons of petroleum diesel are consumed annually. When local school buses fill up now, they are filling up with B20, a blend of 20 percent biodiesel with 80 percent petroleum diesel.

[More Details: \(LIMA,OH.COM\)](#)

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Biodiesel looks for big breakthrough

"There are a number of companies across the country looking at opportunities to produce biodiesel and that's coast-to-coast and using a variety of different feed stocks," says Kory Teneycke, executive director of the Toronto-based Canadian Renewable Fuels Association. "But this is more than just about having a little biodiesel in all of the fuel of all of the country."

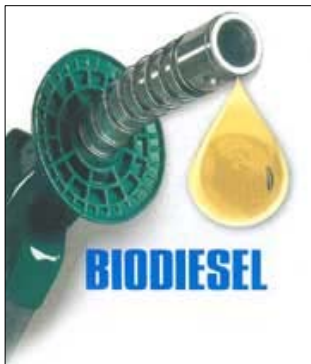
Teneycke wants to see biodiesel account for a major segment of the fuel used across Canada, as opposed to it being relegated to a niche product that is just used in a small number of municipal and commercial fleets.

"The timing for biodiesel in Western Canada is right now," says ABDA president Ian Thomson. "Western Canadians are looking for a made-in-Canada climate change plan and biodiesel is a perfect fit, and as a rural economic development idea, it has huge potential. "You only need to look at what is happening in Europe. You change the fuel, not the fleet."



[More Details: \(BUSINESS EDGE\)](#)

EU biodiesel output set to grow



European Union output of biodiesel, will grow by at least 20% a year and will largely be made from rapeseed, the CEO of France's leading producer Diester Industrie said late on Tuesday. The biggest problem the expanding sector faces is where to obtain raw materials because European Union countries do not grow enough oilseed crops now to meet future demand from fuel makers. Commercial biodiesel would ideally be 70% rapeseed. European Union policies needed to change to encourage farmers to plant more rapeseed. Price support should be doubled to euro90 a ton and subsidies should be extended to new EU members. Current EU rapeseed production is 14 million tons and that should grow to 18 million tons a year by 2009 or 2010.

[More Details: \(FIN24.CO.ZA\)](#)

Rempel Bros. Concrete Launches Biodiesel



Rempel Bros. Concrete has become one of the first private fleets in British Columbia to switch to biodiesel.

The company introduced the B20 biodiesel in two concrete mixers in its North Vancouver fleet. The fuel has significant benefits for public health through reduced emissions including black smoke, odor, green house gasses, air toxins and particulates. "If the pilot is successful, I'm looking at putting B20 biodiesel in the entire Rempel fleet," said Steve Szalkai, Rempel Bros. "We want to set an example for other small, private fleets — if we can adopt a greener fuel, others can too." He said the reduction in carbon monoxide, carbon dioxide and diesel particulates will be significant, and the move to biodiesel will also be a benefit to farmers.

The switch was "seamless" according to Szalkai, although there was a little additional maintenance at startup. Biodiesel "is a win for industry," because operators can choose a cleaner fuel without having to modify their fleets, says Ian Thomson, CEO of Canadian Bioenergy Corporation. He said that while biodiesel is gaining popularity in Western Canada, it will be private companies like Rempel that really push the trend forward. "We are hoping it will kick start a trend in the industry," said Szalkai.

[More Details: \(LANGLEY TIMES\)](#)

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United States: The Biodiesel Odyssey

The bio fuel revolution in the US has been garnering more headlines because of ethanol than biodiesel; however, production capacity for biodiesel will increase 240% when the planned facilities and facilities under construction are online. The legislative framework in the US, both at a Federal and State level, along with soaring crude oil costs, have been the drivers in this industry. Most farm States are increasingly taking proactive steps to enhance the use of bio diesel such as excise tax reductions, school bus usage and retailer tax credits.

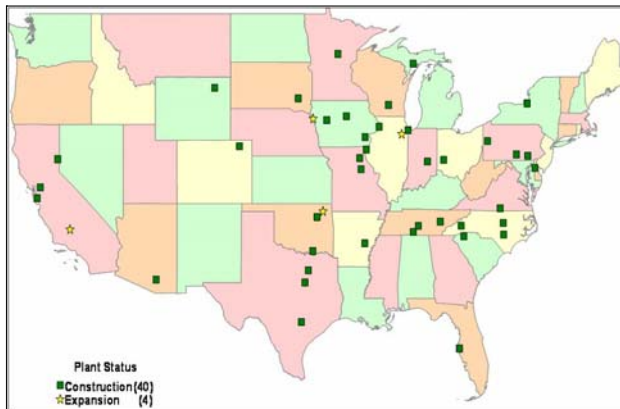
Production Locations:

- Industry capacity = 1.34 billion litres/year
- Average plant size = 25.4 million litres/year
- 6 of 53 plants are farmer owned
- State initiatives are eliminating market barriers creating additional market opportunities
- 145 biodiesel specific legislation are currently on the table in 37 US States



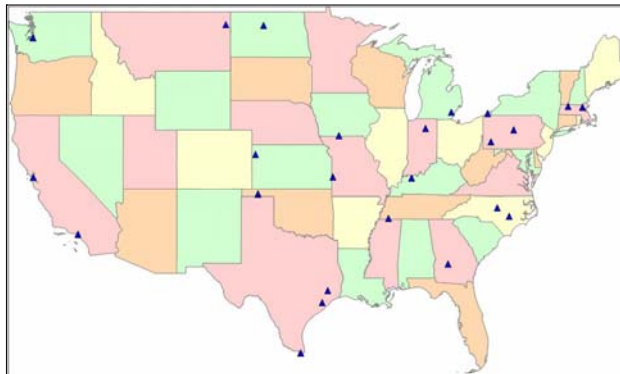
Plants under construction:

- Construction capacity = 1.25 billion litres/year
- Average plant size = 28.4 million litres/year
- 3 of 44 plants proposed will be farmer owned
- Trend towards larger facilities
- Some of the new capacity will replace existing capacity - not all companies will survive
- Production capacity after this stage will exceed current demand



Planned Locations:

- Pre-construction capacity = 1.96 bill. litres/year
- Average plant size = 81.8 million litres/year
- Only one of the plant will be under 3.7 million litres
- 2 of 24 planned locations will be farmer owned
- Economies of scale to drive further expansion



Canada: Biodiesel makes it to the Alberta Legislature

Mr. Stelmach: Thank you, Mr. Speaker. Alberta has the opportunity to take the lead in renewable fuels and be the green transportation and energy leader across Canada. By leveraging off the agriculture and petroleum industries, we can revitalize rural Alberta and improve the environment for all Canadians. Alberta farmers have much to gain from a strong canola-based biodiesel industry. A renewable fuel standard of 5 per cent would require roughly 2.87 million tonnes of oilseed. Last year Alberta farmers harvested approximately 3.6 million tonnes. Canola is considered to be the best biodiesel feedstock for cold weather use. Mr. Speaker, biodiesel widespread use will benefit the health of all Albertans. It will lower air pollutants like sulphur, carbon monoxide, unburned hydrocarbon, and particulate matter. With a 5 per cent standard we will reduce CO2 emissions by 3.3 megatonnes per year. Each litre of biodiesel reduces carbon dioxide by approximately 78 per cent compared with normal diesel. Mr. Speaker, a renewable field industry will develop a more sustainable rural economy, deliver health care benefits from improved air quality, and lower harmful greenhouse gases.

[More Details: \(ALBERTA HANSARD\)](#)

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