



Energrow, Road 128 (7389), Newton, ON, N0K 1R0 www.energrow.ca info@energrow.ca 519.595.8967

Energy As Nature Intended

About Us

Energrow designs and builds custom vegetable oil production systems and converts diesel engines to run off of the oil produced.

The Energrow System produces vegetable oil (a value-added product) which can then be used as a fuel for diesel-run vehicles and/or generators to produce power. The agriculture industry is a major user of electricity. According to the Conservation Bureau, agricultural electrical use grew by 12% between 1990 and 2003. Energrow's aim is to help make the farmer a producer of that energy.

Along with its partners it offers a complete package incl. customized oil production system installation, electrical connection hook-ups, support for net metering¹ or standard offer application², and can supply you with a new generator to suit your needs or



convert your existing equipment.

Energrow's focus is to help local farmers obtain the most value from their crops and save on feed, electrical, and fuel bills.

Energrow is committed to farmers and offers them an opportunity to be in the foreground of an environmentally sustainable future.

Our System

The Energrow Vegetable Oil Production System is custom built to suit the needs of its customers. A system consisting of primarily a cold press expeller, sediment tanks, and filtration system, allows for user friendly operation and repair. The goal of this system is to minimize electrical use and maximize product output of vegetable oil and meal. Using the oil to run a generator will allow for a lowering of overhead costs or even income generation through production of power from a renewable resource.

Energrow aims to benefit farmers by:

- offering a product that is self sustaining
- allowing for production of feed meal

- providing a next best alternative to wholesale crop liquidation
- lowering electrical bills through generator conversion and support in net metering application
- lowering fuel bills through option of mobile vehicle conversion

A farmer with 200 acres available for processing, a 50kW generator and having implemented the large Energrow System can expect the system to pay for itself in 3 to 4 years. This is based on 15% oil yield and running the press approximately 12 hours a day.

System components are available for individual sale.

¹ Net metering is government regulation that allows a credit to customers who generate their own power from renewable sources for any excess electricity they put back into the grid.

² Standard Offer Contract is a government regulation that offers **\$0.11/kWh** (kilowatt-hour) to producers of **wind, biomass and small hydro energy**. The term of the contract is 20 years, with inflation adjustment.

Upcoming Open House

Energrow is pleased to invite you to its open house on *Saturday, October 28, 2006*. A running vegetable oil production system, as well as converted generator and tractor will be available for viewing. Energrow wishes to extend the opportunity for local farmers to see how the system works and how it would benefit them.

There will be plenty of opportunities to speak with experience individuals for posing questions and comments, System viewing times will be: 9:00am, 11:00am, 1:00pm, 3:00pm, and 5:00pm.

Please reserve for a time. Reservation includes:

- Free same day entry into Ontario Maze³ – bring family and friends (no number restrictions and



Converted diesel tractor

includes maze, mini-golf, straw-museum)

- Book Release “Clever Katarina” with readings from author, Ken Settington
- Free snacks and beverages

Please R.S.V.P by October 25, 2006:

(More information available online or in attached flyer)

Why Vegetable Oil? (Part 1– Comparison to Diesel)

Straight Vegetable Oil (SVO)	Diesel
cheaper (approx. \$0.75/litre)	more expensive (approx. \$0.90/litre)
CO ₂ neutral emissions	excessive emission of CO ₂
higher lubricity	lower lubricity
sulphur-free	contains sulphur
up to 100% biodegradable (more ecological)	up to 3% biodegradability
non-toxic	toxic
more economical	less economical
better energy balance	poorer energy balance
protects crude oil resources	depletes crude oil resources
higher flash point over 300°C (low fire hazard)	lower flash point of over 60°C (better ignition performance)
practical to refuel at home	practical to refuel at established network of fuelling stations
greater monitoring of conversion required	less monitoring required due to standard installation
maintains fluidity shorter in colder temperatures (requires heat)	maintains fluidity longer in colder temperatures
loss of space due to extra tank in two tank system	standard space
not yet covered under most manufacturers’ warranties	covered under manufacturers’ warranties

“Vegetable oil production offers farmers and the agricultural industry a new opportunity (...).”

Vegetable oil production offers farmers and the agricultural industry a new opportunity and chance in the production of biofuel and energy. Energrow provides solutions in the conversion process of standard built diesel driven engines to be run off of straight vegetable oil. With the rising energy prices, this fuel source not only proves to be more environmentally friendly, but an increased cost saving!



Conversion Kit–heated svo filter.

³ Ontario Maze is located in close proximity to the Energrow open house site. It a corn maze offering fun and excitement of individuals of all ages. Please visit: www.ontariomaze.com for more information.



Energrow Open House

Saturday, October 28, 2006

ADDRESSING THE NEEDS OF LOCAL FARMERS AND PLANTING THE SEEDS OF CHANGE



Planned Events:

- Viewing/Presentation Times of Energrow System: 9, 11, 1, 3, and 5
- Talk to experienced individuals
- See how the system can benefit you
- Enjoy a time with friends, family, and other members of your community

“ Energrow’s focus is to help local farmers obtain the most value from their crops and save on feed and fuel costs. ”

Registered guests receive free day-of admission tickets for them and their guests to Ontario Maze.

(includes: maze, mini-golf, labyrinth and, straw museum)

Please R.S.V.P by October 25, 2006:

Email: info@energrow.ca/Phone: 519.595.8967

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For more information:

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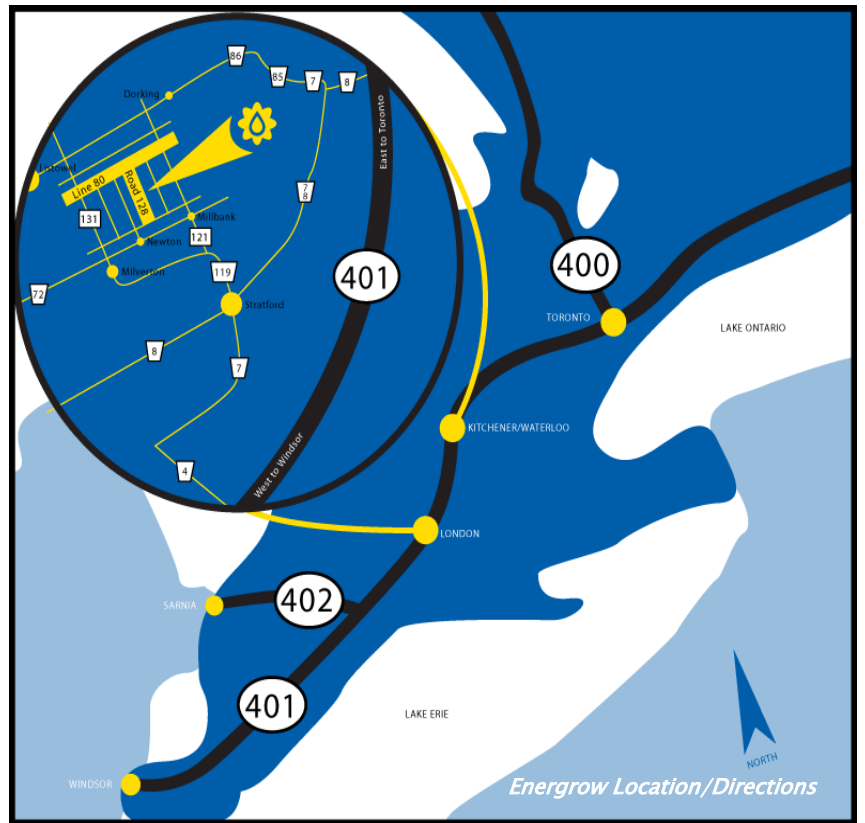
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Energy As Nature Intended

We're on the Web!

Visit us at:
www.energrow.ca



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