

Tour 1: Shedding Light on New Solar Technologies and Projects

- 1) **CRU Solutions, Ingersoll** – operating 10 kW PowerTrac single axis tracker mounted at a 30 degree tilt.
- 2) **SunSaver 1, Innerkip** – operating solar farm with a variety of active solar trackers and a small thin film rooftop installation.
- 3) **Ag Energy Coop, Drumbo** – seasonally adjusted solar tracker
- 4) **SolarG, Baden** – 10.8 kW rooftop installation on a single story drive shed built in the 1970's. The roof structure has been reinforced to support the solar installation.
- 5) **Copperhill Solar, Shakespeare** - 10 kW micro-FIT solar tracker, commercial solar hot-water heating system for poultry barn and passive solar wall.
- 6) **Powerhouse Solar, Stratford** - in the alternative energy business for nearly a decade. Site will showcase one of two different ground-mounted tracker solutions
- 7) **New Horizon Energy, Lakeside** - dealer showcasing their MicroFIT Tracker – a Sentinel System with Solgate Solar modules. System has fifty modules, coupled with fifty grid tied Enphase inverters, a dual axis tracker assembly, racking, and a post.

Tour 2: Biogas and Biomass: A Cook's Tour of Operational Projects

- 1) **John Malechi/AgEnergy Coop, Drumbo** – biomass research project with 18 acres Miscanthus and 6 acres Switchgrass. Small-scale pellet boilers and furnaces with trials on pellet delivery and storage systems.
- 2) **Delft Blue Veal Inc, Cambridge** - 500 kW operating biogas system (350 kW + 149 kW generators) built by PlanET of St. Catharines. The inputs are manure from the 3000 head veal operation and fats/oils/grease.
- 3) **City of Guelph Waste Treatment Facility, Guelph** – biomethane fuelling station and truck. On-site generation to power local operations.
- 4) **Toromont Landfill Gas Utilization Plant, Waterloo Landfill Site** – landfill gas fuels this 4.6 MW facility to produce electricity and reduce landfill odours. Project includes horizontal collection trenches, vertical extraction wells and condensate management equipment.
- 5) **Birchlawn Farms Ltd, Atwood** – two-stage digester producing 440 kW utilizing dairy manure. Solid/Liquid separator in place to create bedding material for the 450 cow dairy operation.