



EarthRenew Commercial Facility: Strathmore, Alberta, Canada

EarthRenew has developed patented, revolutionary technologies that apply the exhaust from an industrial gas turbine *directly* in heat processing fresh cattle manure, while the turbine generates electricity.

We have demonstrated these technologies at our commercial facility, located at a 25,000-head feedlot near Strathmore, Alberta, that started operation in April 2007.

The energy-efficient technologies in operation at Strathmore enable low energy costs for cooking manure up to 1,000 degrees F. The sale of our generated electricity offsets most of the fuel costs.

Strathmore can heat process up to 70,000 tonnes per year of fresh cattle manure into EarthRenew's patented *Organic Matter Fertilizer™* products. In trials, these concentrated granular fertilizers have demonstrated similar performance to chemical fertilizers making this innovation an exciting one for increased organic production. A unique feature of this facility is that, while cooking manure into proprietary fertilizers, enough electricity is generated to power over 4,000 Alberta homes per month.

The Strathmore facility can supply sufficient *Organic Matter Fertilizer™* products annually for approximately 4,000-acres of intensive or organic farming; 4,000-acres of land repair or reclamation and remediation activity; 10,000 acres in parks, turf and golf courses; or 15,000 acres in grain crops.

These *Organic Matter Fertilizer™* products, themselves, are highly concentrated organic matter bundled with organic nutrients in a granular form that increase customer yields and productivity.

The *Organic Matter Fertilizer™* products manufactured at Strathmore are ideal for four key target markets:

1. Organic agriculture – A true concentrated fertilizer that *performs like conventional fertilizers* but can *be used by certified organic growers, reducing costs while increasing their productivity*;
2. Intensive production crops - Vegetables, fruits and nuts with high input costs benefit from our highly concentrated *Organic Matter Fertilizer™* products, to *replace green cropping and reduce chemical fertilizer use plus enhance performance of fertilizers*;

EarthRenew Organics Ltd.
Suite 101, 5740 2nd Street S.W.
Calgary, Alberta, Canada T2H 1Y6
Tel: 403-228-5070
Fax: 403-228-4748

EarthRenew, Inc.
P.O. Box 3148, 504 Avenue Alhambra, Suite 203
Half Moon Bay, California, USA 94019-3148
Tel: 650-712-8285
Fax: 650-712-8287

3. Land repair – reclamation and remediation – *Repair soils to as good or better than before* after being disturbed or contaminated *without risks of adding weed seeds* and in the quickest and most *economical* manner; and
4. Turf and parks – *Safe products for people, pets and the environment* reducing fertilizer run off into waterways.

Strathmore operates in the following manner.

- The EarthRenew facility is located on approximately two acres at our Host site (cattle feedlot) immediately adjacent to the fresh cattle manure supply.
- The Host is responsible for delivering 15 to 25 truckloads of manure per day into EarthRenew's pre-conditioning building where we prepare the material for our cooking process.
- The Strathmore facility operates up to 24/7, with 14 operations employees and six support personnel.
- End result is that the EarthRenew Strathmore facility takes 3,000 Host trucks off the road annually and saves the Host more than \$250,000.