

**Alter Energy Group (AEG)**

- ◆ AEG is currently funding a Series B round to acquire a minority interest in ElectroCell Technologies, Inc. (ECT).
- ◆ AEG has exclusive rights to select clients and markets in the US, Europe, EE as well as Latin America.
- ◆ ECT's patented BioElectric™ technology provides efficient liquid organic waste treatment in a wide range of industries.
- ◆ ECT currently has 4 completed BioElectric™ units in stock available for contract delivery in 2H2015.

➤ **BioElectric™ System**

- The system uses precisely managed electrical pulses to “lyse” or rupture organic cells and break down liquid organic waste faster and more efficiently than traditional methods resulting in greater feedstock consumption;
- **Protected by US Patents # 6141905, 6344349, 61/39782; International patents pending;**
- This technology can be easily integrated into existing waste treatment and processing infrastructures to improve performance, processing capacity and efficiency resulting in reduced capital and operating costs:
  - Liquid biofuels production;
  - Waste Water Treatment Plants;
  - Livestock farms.
- The system has a mobile version, it can be used to treat distributed waste streams where logistical constraints have prevented cost-effective treatment;
- Digester Feedstock Treatment prior to entering digester's is proven and will deliver increased gas production by providing more digestible food utilizing current feedstock. BioElectric™ technology accelerates and enhances:
  - Anaerobic and aerobic digestion;
  - Biosolids stabilization;
  - Nutrient reduction;
  - BOD/COD reduction;
  - Odor management.
- Reduce operating costs by 30-40% and increase output by improving anaerobic digestion efficiency while reducing biosolid quantity and classification. Utilizing Bio-Electric™ Treatment will:
  - Improve methane production by 10-50%;
  - Reduce residual solids quantity by 10-30%;
  - Reduce disposal cost of remaining solids by up to 30% (\$100/dry ton);
  - Reduce Biological Oxygen Demand (BOD) in food production waste by up to 50% and save treatment costs;
  - Reduced energy requirements relative to other waste treatment systems currently on the market.

➤ **Cost Benefit Analysis**

- **Operating Costs**
  - A 20 MMGD WWTP could save approximately \$875,000 USD per year from these process improvements;
  - ElectroCell's BioElectric™ equipment would cost the plant approximately \$800,000 USD resulting in a high ROI;
  - The relationship between plant size, ElectroCell equipment cost and the operating savings is roughly linear;
  - For example a 100 MMGD plant would require \$4,000,000 USD in ElectroCell equipment to generate \$4,375,000 USD in annual operating savings based on \$400,000 USD per system.
- **Capital Costs**
  - A new anaerobic digester can cost millions of USD depending on capacity and system requirements;
  - BioElectric Treatment increases throughput capacity of existing digester's by more than 20% allowing biofuels producers and operators to delay or eliminate costly expansion capital expenditures.

➤ **Business Opportunity**

- Currently there are 1,270 plants with anaerobic digesters operating in the US;
- ElectroCell revenue per 20 MMGD plant is \$800,000 USD - \$1,600,000 USD;
- Total potential current US municipal market is \$500,000,000 USD;
- Thousands of existing and potential installations in the global biofuels market allow for significant growth opportunities;
- Food production plants represent an additional market of thousands of existing digester's for additional expansion;
- Asian and European markets are much larger at current levels with to allow for international expansion.

➤ **Investment Opportunity**

- **Total Investment: \$2.7MM USD**
  - Equity: \$0.60MM USD;
  - Convertible Note: \$2.1MM USD;
  - Term Sheet Available.

➤ **Investment Performance**

EBITDA Investment Valuation	
NPV, 15%	49,846,279
IRR	59%
Payback, yrs.	2.73



Investment Opportunity  
US Patented Technology for Liquid Organic Waste Treatment