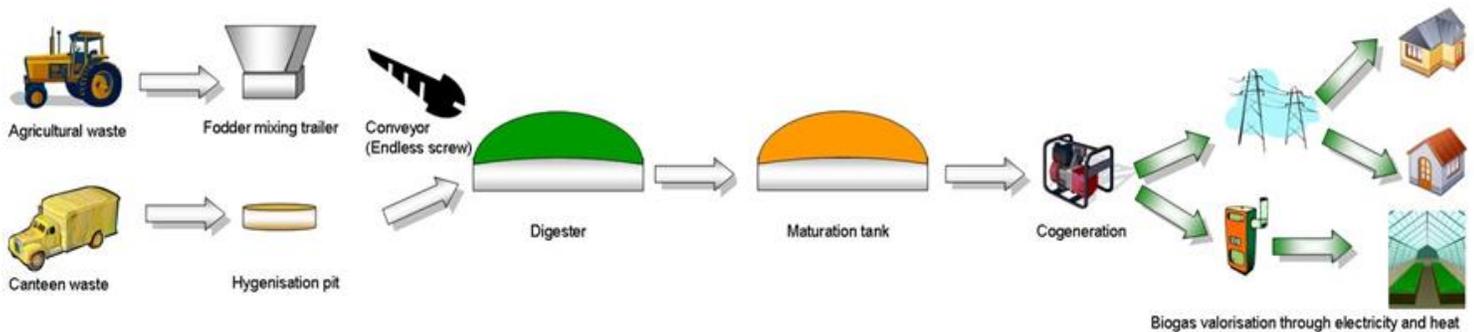


E Q POWER – SUB-ZERO ENERGY



[Anaerobic Digestion](#): Beyond Waste Management [Video approx. 7 mins](#)

An ongoing and problematic issue with food production is how to dispose of the process and production wastes (MOE Farms Wagyu operation alone will produce in excess of 25 tons per day). The power plant addresses this effectively and efficiently in turn creating recycled and renewable inputs back to operations; e.g. Digestate, Fuel, Fertilizer, Power, etc. Recycling and repurposing more than 97% of production wastes, including wastewater, and mitigates the risks to operations from an interruption in power, environmental contamination or degradation. EQ Power and Sub-Zero Energy combined power production from renewable natural gas (RNG) and Bio-Diesel fueled gen-sets will be approximately 15 Mw at build-out (15-18 months) scaling to 45 Mw over a period of 30 months.

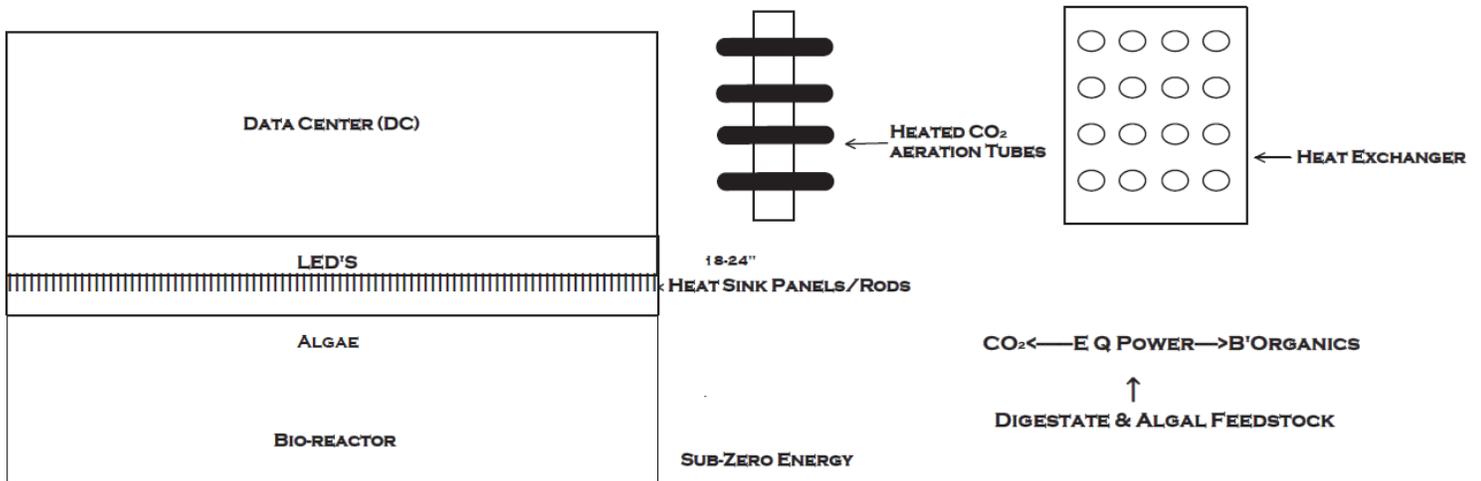
Biogas provides a clean, controlled source of renewable energy from organic waste materials, replacing fossil fuels. During the conversion process, weed-seeds and pathogen levels are eliminated and plant nutrients made bio-available, substantially increasing nutrient density and odor control. A portion of the digestate and CO₂ from E Q Power is repurposed to Sub-Zero Energy's bio diesel production along with waste heat from Data Caster Labs providing a continuous on-site source of high grade fuel back to E Q Power's gen-sets. Powering other low labor high energy profit centers i.e. Beyond Organics garden facilities, livestock housing, grid optional ultra-secure data warehousing, mining and analytics to data center customers.

E Q Power will produce five (5) by-products: Methane (CH₄), Carbon Dioxide (CO₂), Electricity, Digestate and Waste Heat. The E Q Power plant design will be the only producer in North America to use, recycle and repurpose all five and the only one in the world to do so on-site. As both producer and consumer. The world's first 100% renewable fuel and power producer in a GHG mitigated, carbon negative, ecologically balanced closed-loop eco-system, from seed to salad.

The power plant will incorporate Methane (CH₄) and Bio-Diesel to E Q Powers' gen-sets. Carbon Dioxide (CO₂) is heated using the waste heat from [Data Caster Labs](#) (data center) and E Q Powers' gen-sets and repurposed to bio-diesel reactors for year-round production of renewable bio-diesel to diesel fueled gen-sets. Anaerobic Digester is primarily for waste, pathogen, waste water and weed-seed management. CH₄, CO₂ and Digestate (a proprietary 'Smart Soil' amendment) production is repurposed for **Sub-Zero Energy's** Bio-Diesel reactors and [Beyond Organics](#) Garden facilities.

Qualifying for producer, consumer, distributor and developer of renewables credits, GHG mitigated energy off-sets and carbon sequestration credits. Revenue and Profit projections do not include these as they are dependent on government subsidies. Any business model requiring them is inherently flawed. However, these credits and subsidies will be passed on to partners and affiliates, so long as they [remain available](#). At completion of build-out (15-18 months), sustainable power capacity will be 15 Mw at 65-70% of maximum capacity of continuous availability to Data Caster Labs' data center customers with 99.999% uptime guarantee and grid-optional UPS-powered backup system.

Sub-Zero Energy



Data Caster Labs direct heat exchange to Sub-Zero Energy's Bio-Reactor design

Another extraordinary feature of the MOE Farms eco-system is incorporating Sub-Zero Energy's Bio-diesel production facilities into the data center (DC) design. This allows for the waste heat from the DCs to be repurposed and used to produce renewable Bio-diesel to EQ Power's plant producing electricity back to profit center operations. The digestate and CO², waste products, from EQ Power are also repurposed back to Sub-Zero Energy's Bio-diesel production facilities as feedstock for year-round production.

As a bonus, E Q Power and Sub-Zero Energy will qualify for producer, distributor & consumer renewables and mitigation credits. However, unless you hang your returns on the ultra-risky politics of governmental policy, there is only one model grounded in reality...the feedstock provider, energy producer and customer base has to share a common domain. In this case they're one and the same. An additional benefit is the authentic eco-friendly messaging, translating into tangible/measurable contribution to goodwill, profits & psycho/social capital. A direct and measurable contribution to the bottom line and self-funding marketing collateral.

The foundation of this pyramid of benefits is strategic mitigation of risk to continuity of operations and impact on margin of interruption in the event of disaster, natural or otherwise. One prolonged outage/disruption and years of earnings can be wiped out, this represents a substantial risk-reduction to operations, durable on-site waste recovery solution.

Farm-based biogas systems allow:

- Production of green and renewable energy.
- Reduction of odors, weed seeds and pathogens.
- Production of higher quality organic fertilizer and soil amendment.
- Potential off-site RNG and diesel revenue.
- Reducing pollution and greenhouse gases.
- Biofuel production for transportation and equipment.
- Nutrient dense feed stock to bio-fuel plant.