



Anaerobic Digestion Technology Municipal Applications

CH-Four Biogas' anaerobic digestion technology offers municipalities the opportunity to dispose of organic waste materials in an environmentally, economically and socially responsible manner.

One technology, Multiple solutions

- Facilitate Green Bin Programs
- Reduce Pressures on Landfills
- Produce Renewable Energy
- Destroy Pathogens
- Eliminate Odours
- Recycle Nutrients

CH-Four Biogas Inc. is a progressive developer of anaerobic digestion technology. With a proven track record of delivering highly efficient and successful biogas projects, we offer municipalities the opportunity to take advantage of their waste resources.

Contact CH-Four Biogas for more information:

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CH-Four Biogas Inc. Offers services relating to all stages of the development of biogas projects. Some of our most common services include:

- Economic and Technical Feasibility Studies
- Feedstock Testing and Computer Modeling
- Waste Handling Consultation
- System Design and Specification
- Construction Management
- System Monitoring and Optimization

The biogas produced as a byproduct of the anaerobic digestion process is comprised of primarily methane and can be used to generate electricity.

1m³ of biogas will produce roughly 2kWh.

The following are approximate biogas yields for typical municipal waste streams.

Septage.....	10-15 m ³ /ton
Sewage Sludge.....	10-20 m ³ /ton
Source Separated Organics.....	90-150 m ³ /ton
Dissolved Air Flotation Material.....	150-250 m ³ /ton
Fats, Oils & Greases.....	200-350 m ³ /ton

The effluent of the anaerobic digestion process is a nutrient rich organic fertilizer with almost no odour or pathogen content. This makes it an extremely valuable fertilizer that can be distributed throughout the agricultural community, recycling nutrients and strengthening the rural-urban link.

For more information the many solutions anaerobic digestion technology can offer, please contact CH-Four Biogas Inc.

real solutions

