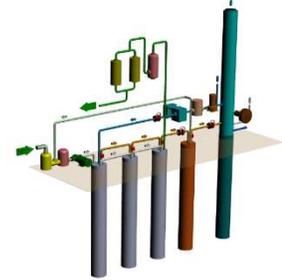




## New Biogas Purification Produces Renewable Natural Gas (RNG)

### Patented Biogas Water Wash Systems

- **ETI's new patented systems** may prove to be the **lowest cost biogas upgrading** option for producing Renewable Natural Gas (RNG) available in the market today. With this innovative method, **capital cost savings of 30% or more** may be realized as compared to other biogas upgrading systems.
- **Our innovative biogas purification system** includes valuable beneficial uses of the separated CO<sub>2</sub> by-product in wastewater treatment applications using ETI's biogas CO<sub>2</sub> patent-pending process.



### Technology Summary and Benefits

- Our **patented systems are** based on proven operating technology used at biogas sites around the world but **ETI's lower cost process** has the potential to be an **"economic biogas game changer"**.
- This **innovative biogas separation approach** uses water as a natural solvent resulting that readily absorbs carbon dioxide (CO<sub>2</sub>) and other trace contaminants such as hydrogen sulfide (H<sub>2</sub>S), siloxanes, volatile organic compounds (VOCs) and ammonia.
- Variables highlighted in this biogas water wash process are dependent on flow, pressure, temperature and the time necessary for the gas separation process to **produce 98% methane or even higher methane levels of 99.7% are possible with ETI's patented additional CO<sub>2</sub> removal polisher.**
- Once the biogas is upgraded, the **RNG can be used seamlessly as a replacement for natural gas** in thermal processes, electricity generation, natural gas pipeline injection and even compressed gas for high value vehicle fuel.
- **These systems are modular and scalable from large to small** and can even make it economical for smaller systems that are not typically cost effective.
- ETI's biogas upgrading systems can be **utilized at all biogas sites including;** wastewater treatment plants, food/beverage processors, Ag digesters and other methane sources. These systems can also be **arranged in flexible configurations for ease of integration at existing digester sites.**
- Our biogas water wash systems are categorized as a **"Green - sustainable process"** that are further environmentally enhanced with **ETI's beneficial CO<sub>2</sub> by-product uses** in some applications.

#### **Contact ETI for more information:**

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