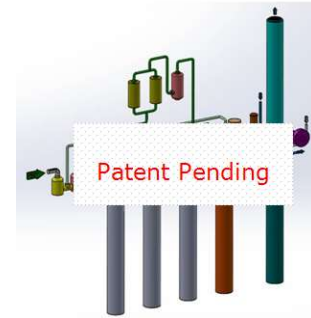




New Biogas Purification Method Produces Renewable Natural Gas (RNG)

Patent Pending Biogas Water Wash Method

- **ETI's new patent pending method** may prove to be the **lowest cost biogas upgrading** process 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.
- **Plans are now being made to commercialize this innovative biogas purification method** that uses proven biogas separation technology in a novel lower cost process.



Basic Technology and Benefits

- Our **patent pending method** is 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 gas separation approach** uses water as a natural solvent that readily absorbs carbon dioxide (CO₂) and other trace contaminants such as hydrogen sulfide (H₂S) and siloxanes resulting in a **purified methane supply of RNG**.
- Variables involved in this biogas water wash process are dependent on flow, pressure, temperature and the time necessary for the absorption process to occur. **ETI's absorption efficiency** of CO₂ and H₂S increases similarly with higher pressure and colder water temperature.
- 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.
- This new process is **modular and scalable**, making it applicable for smaller systems which were not previously cost effective.
- This biogas upgrading process can be **utilized at all biogas producing sites**; landfills, WWTP's, Ag digesters and other methane sources. This process can also be **arranged in parallel and series configurations** to increase flow and/or purity of methane product gas.
- This biogas water wash is categorized as a very **"Green - sustainable process"** by industry experts that even allows the **potential beneficial use of the CO₂ by-product** in some cases.

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Energy Tech Innovations is a 2016 winner of The Water Council's BREW Accelerator. View our water technology startup portfolio at www.thewatercouncil.com