

Your facility – Northeast Ohio Regional Sewer District -- and other waste water treatment plants that incinerate or landfill biosolids can actually take a leadership role in **improving the environment** – while **producing energy** and **reducing costs** to the community!

Schmack BioEnergy's 21st century technology converts the organic portion of sewage sludge (we recycle energy to process used or waste material so that it can be used again) into biogas with the energy equivalent of natural gas. Typical uses for biogas are heating, electricity, and affordable renewable motor vehicle fuel. If, for example, we converted Ohio's incinerated and landfilled biosolids to biogas we could produce the equivalent of more than **20,000,000 gallons of gasoline annually.**

This is not mere speculation concerning an untested technology. Our German partner Schmack Biogas AG is the largest developer of anaerobic digestion processes in Europe with nearly 300 facilities. (There are less than 200 in the entire U.S.)

The outlook for biogas in the U.S. is positive. There are approximately 130,000 compressed natural gas (CNG) vehicles in the U.S – with United Parcel Service accounting for more than 10 percent. CNG vehicles are widely available, and increasing rapidly. (Other countries operate more than 7,000,000 such vehicles).

Accordingly, we now have the exciting opportunity to improve the environment by operating a high proportion of our cars and trucks on fuel produced from waste.

Schmack BioEnergy's goal is to provide a turnkey solution that makes us -- not the community -- responsible for the economics. Our concept is to contract with a waste water treatment plant to process biosolids – in compliance with all state and federal regulations – producing clean water, soil amendments and renewable energy. We will design, build, own and operate the facilities.

In Ohio, nearly 40 percent of biosolids are incinerated, and the emissions are released mostly to non-attainment areas (Cleveland, Cincinnati and Canton) according to OEPA. The energy from the *incinerated biosolids* alone is equivalent to **7,000,000 gallons of gasoline**. Everyone should be asking: *"Does it make sense to buy energy to burn energy?"*