

Press Release

Contact: C. G. Steiner
Phone: 913.897.2727

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Subject: Ogallala Aquifer Restoration Technology

WaterSmart Environmental, Inc. announces the scientific development of technology to restore the Ogallala Aquifer which is under continuing attack by pesticides, nitrates, salinity, and sustainability. The proposed technology successfully deals with all these attacks including those of T. Boone Pickens' plan to sell Ogallala water to San Antonio and other Texas cities. Agricultural irrigation may continue provided there is a continuing push to limit loss on evaporation to less than 2%. There is no impact on thermoelectric power generation activities, no impact on industrial and mining activities, and no impact on livestock activities. Public water supply is the only impact category that is touched by the proposed technology.

The master plan is quite simple and consists of converting as many municipalities as possible to surface water either completely or partially. This includes municipalities near to but not on the Ogallala. The build-own-operate plan calls for the installation of regional biowastewater industrial parks which would treat both municipal solid wastes (MSW) and sanitary wastewaters as a minimum. Other area wastes would also be most welcome. The park would anaerobically digest the wastes to produce methane gas, carbon dioxide gas, organic fertilizer, liquid fertilizer concentrate, and high quality reverse osmosis permeate water. All of the co-products would be sold to the marketplace except the water which would be donated to the aquifer for restoration. Some of the methane gas would be used to generate renewable green power electricity which would be sold to the municipality to produce project revenue. Additional revenues would be produced from MSW tipping fees and sales of organic fertilizer and liquid fertilizer concentrate to the marketplace. Additionally, some of the methane would be used to supply a compressed natural gas (CNG) and liquefied natural gas fueling stations. Natural gas is rapidly gaining acceptance in the user marketplace because engines last much longer and get better mileage. CNG and LNG are simultaneously held in high esteem by the regulatory agencies because of much better environmental performance when compared with traditional fossil fuels. Greater use of CNG and LNG is being actively promoted nationally by DOE's *Clean Cities* program.

WaterSmart Environmental, Inc. is a provider of waste-to-energy technologies and a manufacturer of highly engineered water purification components and systems. The company designs and builds a wide variety of water treatment equipment including packaged water and wastewater treatment plants, UltraPac™ aerobic package plants, OAT™ Process anaerobic digesters with associated energy production, aerators, filters, PuriSep™ and SmartWater™ oil/water and solids/liquids separators, RainDrain™ perimeter trench sand filters for stormwater runoff, dissolved air flotation separators, air strippers, complete skid assembled aqueous waste treatment plants, FilterFresh™ skid mounted potable water production plants, skid mounted wastewater treatment systems for laundromats, commercial laundries, and car/truck wash facilities with water reclamation and reuse, softeners, demineralizers, activated carbon treatment equipment, and water purifiers for domestic and international markets.

*Specialists in Water and Wastewater Treatment
Featuring Next Generation Waste-To-Energy Technology*

