

Department of Defense to convert landfill gases into sustainable energy

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PR Newswire -- FlexEnergy (www.flexenergy.com), a cleantech company that creates clean energy with near-zero emissions from harmful greenhouse gases, announced its Powerstation technology will allow the Department of Defense's (DoD) Fort Benning, Ga. base to convert its landfill gas, an unconventional energy source, into renewable energy. FlexEnergy will deliver two powerstations in collaboration with Southern Research Institute (SRI) through the DoD's ESTCP (Environmental Security Technology Certification Program).

"The Department of Defense is at the forefront of deploying breakthrough technologies. The installation of the Flex Powerstation at Fort Benning, GA enables the Army to generate its own continuous, clean, renewable energy from an on base landfill," said Joseph Perry, CEO of FlexEnergy.

Currently, a successful Powerstation pilot program operates at the Lamb Canyon Landfill in Riverside County, Calif. The smaller, 10-ton test unit has the capability to produce enough electricity to power 30 homes in the community. Once installed at Fort Benning, the 250 kW Powerstation can potentially provide electricity for 250 homes.

FlexEnergy will showcase its Powerstation February 28-March 2 at the second annual ARPA-E Energy Innovation Summit in Washington, D.C. The Summit, co-hosted by the Department of Energy's Advanced Research Projects Agency – Energy (ARPA-E) and the Clean Technology and Sustainable Industries Organization (CTSI), features cutting-edge cleantech organizations that are helping to determine the future of energy. FlexEnergy's plug-and-play system was selected for its ability to oxidize gases as low as 1.5 percent methane, a greenhouse gas with 20-25 times the environmental impact of carbon dioxide.

"Exhibiting among the key players in the energy community at ARPA-E is a great opportunity to reach more potential customers who want to control pollution, generate clean sustainable energy and help save the U.S. up to 60 million barrels of oil imports annually," Perry said.

FlexEnergy will exhibit to nearly 2,000 researchers, investors, entrepreneurs, corporate executives and government officials at the Gaylord Convention Center just outside of Washington, D.C. The ARPA-E Summit's high-profile speakers include U.S. Energy Secretary Steven Chu, ARPA-E Director Arun Majumdar and U.S. Navy Secretary Raymond Mabus.

SOURCE FlexEnergy