From: Rudi Roeslein
To: DOER RPS (ENE)
Subject: Anaerobic Systems for American Agriculture.
Date: Thursday, March 31, 2022 6:20:45 PM
Attachments: Dale_et_al-2016-BIOFPR-Biogas done right.pdf
Valli_et_al_2017_Biofpr--Biogasdoneright.pdf

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My name is Rudi Roeslein the CEO of Roeslein Alternative Energy and the partner with Smithfield Foods on Monarch Bio Energy that has spent over $200 million into rural America during the last five years to produce over 700,000 dekatherms from swine waste on our Horizon 1 concept to convert animal waste to energy and nutrients. These projects have created over 50 high paying operations jobs, hundreds of construction jobs, much needed infusion of capital to rural America from hotel expenses, restaurant costs and many other secondary financial benefits. The lagoon concepts we use have the lowest CI scores in the industry and can store gas energy under the three to four acre lagoon's covers for several days before being converted to RNG or Electricity as needed.

We are also working with Seaboard, and Iowa Select on additional projects to convert their Swine waste in to renewable energy and convert the water into concentrated ammonia and the solids to soil amendments.

We have plans to convert thousands of lagoons into safe and environmentally sound digesters in North Carolina, Virginia, Oklahoma, Texas, Utah, Arizona, Iowa and Missouri. The first phase is to convert the manure to energy while we also develop and experiment with water purification systems that concentrates the ammonia for use as a organic fertilizer that can displace chemical fertilizers. We also intend to develop our Horizon 2 concepts that will use cover crops, crop residue and reconstructed native grasses and prairie forbs on marginal land to provide additional RNG and soil amendments while these biomass sources also provide ecological services and wildlife habitat. I have been collaborating with Bruce Dale at Michigan State with a Italian Consortium that has been incorporating hundreds of digester in Italy on a project called Biogas done right and have included their white papers in this email. I believe the US has a tremendous opportunity to provide a new source of income to rural America that could in my estimation bring over 50 billion in revenue to the underserved rural communities while they utilize their land in a more holistic way that serves society, the environment and wildlife. Please take the time to read the two white papers that provide scientific support of why the Europeans are so bullish on the Anaerobic Digester process helping them get to their renewable energy goals while also providing significant income to their farming communities.

I have investors committed to spend over $700 million dollars on these projects to help not only large but small farmers reach our environmental and energy goals without compromising our food production. I believe there is sound scientific reasons to pursue this path of renewable natural gas and not let unsubstantiated false claims deter or possibly stop this amazing opportunity for our farmers to have another important source of revenue and help solve many environmental challenges. Thanks for your time and please read the two attachments.