



Kevin M. Dailey, CEO
January 14 2022

Re: Request for Comments – Proposed NJCEP Fiscal Year 2022 True-Up Budget, Budget Revisions and Program Changes

I don't see anything in the Clean Energy Plan (CEP) that supports the processing of waste into clean energy. It may be in one of the program areas such as renewable energy, but I don't see it called out as I do things such as support for solar and wind. It seems that in general waste-to-energy has a negative connotation – the first thing that comes to mind is burn plants / incineration.

Let me explain why it should be included. We are going to have waste no matter what. We have to address it one way or the other. When it's put in a landfill it breaks down slowly emitting both carbon dioxide and methane. Landfills represent something on the order of 30% of all CO2 emissions. The other alternative for waste is to burn it. Incinerators have terrible emissions. You guys know this already. There are alternatives however. The alternatives, like our technology are new. They need some upfront support to gain credibility. This support should be a part of the CEP.

Green Waste Energy uses pyrolysis to process calorific waste into a syngas. We can convert municipal solid waste, sewerage sludge, biomass or any matter with a calorific value into a synthetic gas (syngas). The syngas can then be used as a fuel for engines to produce electricity or further processed into liquid fuel. This is not an incineration system; this is pyrolysis of Btu laden waste into a syngas. The output is a clean gas of high calorific value. The gas is then used as a fuel to power engines or turbines to generate electricity. It can be further processed into liquid fuel via the Fischer–Tropsch process to create ultra low sulfur diesel (ULSD), naphtha (Sustainable Aviation Fuel) and fuel oil or hydrogen.

Our plants will have a positive impact on the environment. Waste processed by one of our plants will not end up in a landfill spewing ozone depleting methane gas into the air as the material slowly decomposes. It will also reduce the need for fossil fuels to be burned to create electricity. We offer a solution today to help reduce carbon emissions.

Our technology will do more to reduce carbon emissions than any other effort that I'm aware of and at no cost to the taxpayer in that the systems won't need ongoing financial support to be viable. They may also eliminate PFAS contamination.

Isn't the Clean Energy Program fundamentally supposed to support CLEAN energy?
How about supporting new clean energy technologies like ours?



When you have a new technology like ours, interested prospects say: “That sounds great. When you have two or three plants up and running, let me know. Then we will talk.” I can’t tell you how many time I’ve heard this. Nobody wants to be #1. But New Jersey can be #1 and should be #1 given everything that is said here about how clean the state is. Let’s be clean and progressive.

The former Ft. Monmouth site is up for bid. How about allocating 30 acres of it for new energy technologies like ours and providing funding for pilot plants?

Please include funding in the Clean Energy Program to support new technologies to process waste into energy that have very clean emissions. Thank you.

James Pfeiffer
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