

DOCKETED

Docket Number:	19-ERDD-01
Project Title:	Research Idea Exchange
TN #:	224596
Document Title:	Phil Badger Comments
Description:	Phil Badger Comments on Draft Solicitation on Demonstrating Innovative Solutions to Convert California's Residual Forest Biomass Resources into Renewable Natural Gas
Filer:	Kevin Uy
Organization:	Sustainable Renewable Energy
Submitter Role:	Public
Submission Date:	8/24/2018 5:52:04 PM
Docketed Date:	8/24/2018

Submitted by

Phil Badger

Sustainable Renewable Energy

pbadger@sre-usa.com, Cell: 256-762-2886

Comments:

Is a pathway using high efficiency anaerobic digestion technology an acceptable pathway to get to RNG?

Since we have economies of scale, is it possible to increase the funding amount per project? Our economies of scale lend well for RNG between 350 to 900 scfm.

If we process half of the feedstocks as hazardous forest fuels, can we team with a company such as a food processing company to provide the rest of the feedstocks?

Advantages of our high efficiency anaerobic digestion technology:

Low GHG emissions and other emissions

Low CAPX and O&M

Simplistic technology without use of heat or enzymes that offers high energy conversion efficiency to methane including when using high moisture content feedstocks (e.g., 40-50% MC wood)

Generates a digestate that has NPKS nutrients and value as a fertilizer

Captures methane, carbon dioxide, and nitrous oxide (N₂O) greenhouse gases and converts these value-added products into Renewable Natural Gas (RNG), Renewable CO₂, and fertilizer.

Suggestions:

Due to the advantages of our technology, we hope that you will consider anaerobic digestion as an acceptable pathway for this GFO. Furthermore, due to the economies of scale required for technology—and the need for large scale systems to address the hazardous fuel reduction program—we hope additional funding will be made available and that the private sector is not shut out of this GFO.