

SUSTAINABLE FOOD WASTE REMEDIATION THROUGH HIGH- ENERGY ANEROBIC DIGESTION (AD) CONVERSION

Team Name: PCS Sustainable Development

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| Paul Moss | Portfolio/Project Management, Engineering, Manufacturing |
| Armando Munoz | Executive Leadership, Manufacturing, Engineering |
| Christopher Moss | Systems Analyst, Engineering, Manufacturing |
| Vacochia Dean | Education, Project Management, Safety, Compliance. |

The PCS Development team comprises of experienced professionals dedicated to creating sustainable and economically viable process systems. Our mission is to mitigate the adverse effects of human activities on the environment, with an initial emphasis on reducing food waste.

In the United States, approximately 35-40% of the food supply, equating to over 80 billion pounds, is discarded annually, with a significant portion ending up in landfills. Utilizing cutting edge, innovative and proven processes, PCS Development aims to manage this and other biological waste effectively, thereby minimizing environmental impact while generating energy and other product revenue streams.

Our pilot project is centered in Ellis County, TX, strategically located within the Dallas-Fort Worth (DFW) metropolitan area. With a current population of 231,000 and a 53% increase since 2010, Ellis County's rapid growth, compounded by its proximity to the DFW area, suggests that this trend will persist. Our initiative in Ellis County not only addresses a critical environmental issue but also serves as a scalable model for similar communities nationally and globally.