



FACT SHEET

AD Digestate Field Testing - King County Food Waste Incentives for Non-Residential Targets

Deliverables

1. Field Testing Plan
2. Log of organic feedstocks diverted
3. Log of energy created
4. Log of field testing results
5. Signage artwork to be posted at the Green River Farm
6. Quarterly reports required by King County

Schedule

Set up and begin project implementation	No later than June 30, 2016
Ongoing implementation, monitoring and reporting	July 1, 2016 through June 30, 2018

Summary

The project uses a living system to convert 25 tons per year of non-residential (commercial) food waste into 750 – 1,000 therms per year of renewable energy and 5,400 gallons per year of liquid soil amendment with zero waste. The specific focus of this project is how anaerobically digested food waste can be used beneficially within the community, thereby avoiding trucking, export from the county, and the associated greenhouse gas emissions and loss of soil carbon. Commercial food waste will be collected from Seattle Tilth operations, Taylor Farms (Kent), Schilling Cider (Auburn), and the Auburn Food Bank. Liquid soil amendment will be beneficially used at Seattle Tilth’s Green River Farm. The project touches on minimizing trucking, diesel emissions, waste export, and maximizing engagement with food producers that reduce the food desert and lack of good economic opportunities in some urban areas. Seattle Tilth and the Auburn Food Bank are certified non-profit organizations. Returning water, nutrients, carbon, and beneficial microbes to the soil goes a long way toward supporting farm-to-table food production and King County’s Kitchen Cabinet and Local Food Initiative. The County is trying to build a farm-to-plate pipeline to better connect local farmers and communities. This project is trying to build reliable data to show how digested food waste has a local market and can strengthen the Local Food Initiative.

Level of Effort by Team Member (Impact 83%, Tilth 17%, \$3,230 expense budget)

Corbin	Allen	Kumar	Murphy	Catalano	Thacker Anderson	Spaniolo
14%	9%	4%	22%	6%	16%	30%

