



# Commercial Food Waste Reduction Incentives - King County Grant Program

SWANA June 3, 2016



**King County**

Department of  
Natural Resources and Parks  
**Solid Waste Division**

*Waste*  
**Prevention**

*Resource*  
**Recovery**

*Waste*  
**Disposal**

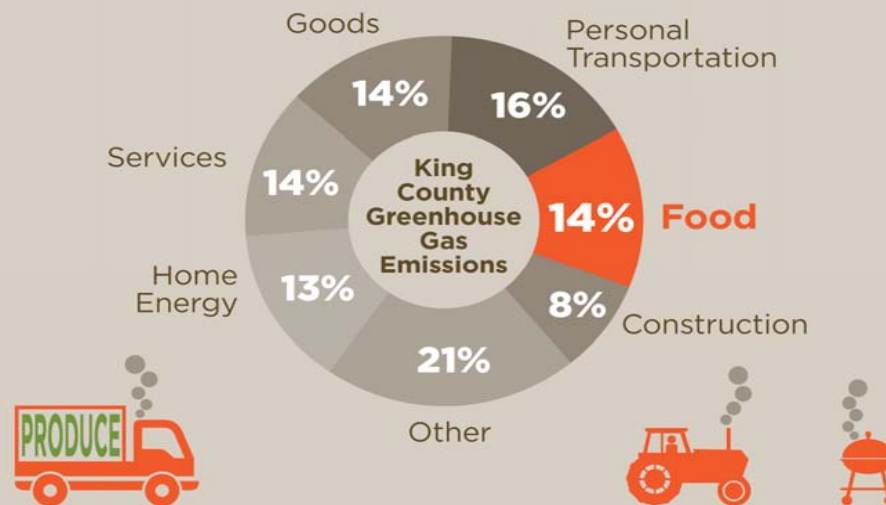


**"TERRA FIRMA"**  
Project Artist: Carol DePelecyr  
Photographer: Steve McGehee

**2015: 80,757 tons of commercial food waste at Cedar Hills Regional Landfill**

## FOOD IMPACTS CLIMATE CHANGE

The carbon emissions from **producing, transporting, and consuming food** are second only to the emissions from transportation.



# Food Waste Grant Program – Commercial Sector

- RFP released in February 2016
- **Purpose:** provide financial support to projects that reduce edible and/or non-edible food waste generated by the commercial sector (within King County outside the City of Seattle).
- **Budget:** \$20,000 - \$30,000 available per project (\$200,000 total in 2016)
- **Timeline:** 2<sup>nd</sup> Quarter 2016 - mid-July 2018

# Project Elements:

- Diversion through source reduction, donation or rescue, distribution/redistribution, composting and/or anaerobic digestion
- Cost effectiveness (e.g. dollars-per-pound/ton)
- Long-term sustainability of the project
- Baseline data
- Reporting and documentation



Optional: Added value (e.g. Equity and Social Justice project elements, cash match/in-kind contributions, non-profit organization involvement)

# Five projects funded

- City of Auburn
- Cedar Grove
- Impact Bioenergy/Vashon (Bioenergy Study)
- Impact Bioenergy/Seattle Tilth (Field Testing)
- GreenBalance Energy Marketing (schools)

# City of Auburn

- **Project Goal:** Increase diversion of food waste from food generating businesses to composting facilities and/or organizations that provide food for low income residents.
- **Tasks:**
  - Collect baseline food waste data
  - Develop outreach strategies and materials
    - by business size
    - transcreation for non-English speaking businesses
  - Collect data and analyze diversion amount
  - Quarterly and final reporting
- **Timeline:** 8/1/16 to 7/15/18
- **Budget:** \$30,000
- **City Contribution:** staff time, outreach material production costs



# Cedar Grove: Increasing Food Waste Diversion in Diverse Communities

- **Project Goals:** 1 – Food waste diversion programs at 10 restaurants. 2 - Focus on restaurants owners who are foreign born, persons of color, or for whom English is not their primarily language. 3 – Increase food waste diversion at restaurants by 70%. 4. Support food waste recycling at 2 farmers' markets.
- **Tasks:**
  - Restaurants: Recruitment, pre- and post-waste audits, develop tools, conduct staff training, and provide support
  - Farmers' markets: Customized signage and vendor training
- **Timeline:** 6/1/16 to 7/15/18
- **Budget:** \$30,000
- **Cash Match and In-Kind Contributions:** \$3,300





# Impact Bioenergy: Vashon Is. Distributed Bioenergy Feasibility & Possible Demo

**Project Goal:** develop Community Supported Biocycling (CSB)—an alternative, locally based economic model of production and distribution.

## Tasks:

- Develop and utilize software tool to facilitate the food waste diversion
- Conduct a Feedstock Assessment
- Conduct a Feasibility Study for a community scale anaerobic digester

**Timeline:** 6/15/16 to 7/15/18

- Budget: \$30,000
- Cash Match and In-Kind Contributions: \$265,161, if they receive WA Department of Commerce Clean Energy Grant



# Impact Bioenergy, Inc/Seattle Tilth AD Digestate Field Testing

- **Project Goals:** 1 - Divert small business food waste from the solid waste system and convert into renewable energy and liquid soil amendment for agricultural land. 2 - Document commercial value of AD food waste and community benefits (less trucking,/greenhouse gas emissions, loss of soil carbon, zero waste, renewable energy, enhanced soil Tilth, food production, support of people with less equity and social influence in community).
- **Tasks:**
  - Collect and Log Food from Schilling Cider, Taylor Farms, Auburn Food Bank, Tilth growing operations.
  - Process food via AD and maintain log of soil amendment , gas and electricity produced
  - Field test digestate at Tilt's Green River Farm
  - Quarterly and final reporting: quantities of food waste prevented and diverted
- **Timeline:** 6/1/16 to 7/15/18
- **Budget:** \$30,000
- **Cash Match and In-Kind Contributions:** \$95,000 from project team



# GreenBalance Energy Marketing: K-12 Living Laboratory

- **Project Goals:** 1 - Divert 135 lbs/day of food waste from school. 2 - Demonstrate closed loop recycling system using local anaerobic digestion and returning liquid fertilizer to school. 3 - Create school curriculum and case study.
- **Tasks:**
  - Collect food at elementary school
  - Transport and process food, back-haul liquid digestate
  - Apply liquid fertilizer to school grounds
  - Develop curriculum with video, website and print resources for primary and secondary schools
  - Prepare case study
- **Timeline:** 6/1/16 to 7/15/18
- **Budget:** \$20,000 - \$30,000 (under negotiation)




## Next steps:

- Project implementation
- Develop project web page (encourage other businesses to address food waste)
- Potential for second round of grants in 2017



**Karen May**  
[karen.may@kingcounty.gov](mailto:karen.may@kingcounty.gov)  
**206-477-5281**



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King Street Center  
201 South Jackson Street, Suite 701  
Seattle, WA 98104-3855  
206-477-4466  
711 TTY Relay  
[your.kingcounty.gov/solidwaste](http://your.kingcounty.gov/solidwaste)