Food Waste Assessment & Food Recovery Opportunity

February 20, 2020

Assembly of Planners Symposium 2020
Part 1: Food Waste Assessment
Food Waste is a Global Problem

- Globally: “Roughly one-third of all food produced in the world for human consumption every year gets lost or wasted” (FAO, 2019)

- Nationally: “In North America an estimated 30 to 40 percent of the food available for human consumption is lost.” (Heller, M., 2019)

- What about Guam?
Followed the steps in Guam EPA's Guide to Conducting a Food Waste Assessment (Guide) to complete an assessment for Guam

- Simple Desk Top Method
- Moderate Desk Top Method
- Field Data

Food Waste Estimates

- Food Waste estimates indicate Guam generates ~20,000 tons per year

*Using Industry Specific Info for Top 3 Food Generating Sectors and the Guam adjusted food waste generation rate
Food Waste Report Findings & Recommendations

- Significant quantities of food waste currently landfilled (~20,000 tons per year)
- Some diversion happening now, opportunities for more
- Hotels, grocery stores, and restaurants have indicated interest in more diversion
- Existing framework that could potentially provide food recovery on Guam
  - Kamalen Karidat: average 45 dinner meals/day
  - Salvation Army Lighthouse: average 28 dinner meals/day

If Recovered......
20,000 tons of food/year could feed:
- ~20,000 people
- ~12% of Guam’s population
- 29% was on food assistance in Guam (2014)
Food Waste Report Recommendations

- Source Reduction
- Feed Hungry People
- Feed Animals
- Industrial Uses
- Composting
- Land-fill

Promotion/Education, Home and/or School Compost Pilot
Hotels/Recovery Organization Partnership
Share Best Practices for Sending to Pig Farms
Consider Feasibility of Digestion or Co-digestion at WWTP or Micro-Digester
Consider Feasibility of Ban/Collection/Compost Facility
Many Reasons To Reduce Food Waste

Environmental

Social

Economic

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Part 2: Food Recovery Opportunity
Goal: Feed Hungry Guam Residents

- **Current**
  - HYATT®
  - Recovered Food

- **Future**
  - HYATT®
  - Recovered Food
  - THE SALVATION ARMY®
Food Recovery and Safety

- This is about helping provide good food to hungry people, safely
- Food safety is #1 priority
- All parties will take their time and get this right
- Program is being developed with Guam DPHSS, Food Safety Program, Department of Environmental Health, in compliance with Guam Food Code
DIVERT WASTE

Goal announced in 2014:
Every managed hotel will divert >40% of its waste from landfills by the end of 2020.

Tackling food waste

- Launched comprehensive food waste prevention and management guidance to hotels globally, building on a previous industry collaboration, the Hotel Kitchen Toolkit.
- Deepened our understanding of food waste in different markets by conducting in-depth food waste audits at select hotels in Europe, building on previous audits in the U.S.
- Established a relationship with Food Donation Connection to aid hotels in implementing food donation programs.
- Began testing an app that facilitates selling surplus food at a discount toward the end of a meal period.

- 23% of managed hotels globally have exceeded a 40% waste diversion rate.
- 50% increase in the number of hotels reporting donation of excess food.

Donated over 90,000 pounds of toiletries. Through Clean The World, our largest partner, we enabled the distribution of nearly 190,000 soap bars and over 60,000 hygiene kits to people in need.
Lighthouse Recovery Center

IOP/OP/Residential Social Detox Groups Ind. Sessions Family Education Continued care
3,152 Clients Served 2010 - 2018
Working on the details...

Memorandum of Understanding
Guam Food Donation Program
Version 2

- Training
- Labeling
- Time and temperature
- Compliance
- Inspections
- Documentation
Vision for Future

- Development of close partnership: Hyatt, Salvation Army, and Public Health
- Startup of this food recovery program (within months)
- Development of working model for other hotels and non-profits
  - Less food waste generated
  - More food recovered and donated
  - Fewer hungry citizens of Guam
Thank You

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