



Ume Odum
Community Health



A PROGRAM OF HRDC



BOZEMAN, MONTANA
Owned and Operated by HRDC



Company Background **Gallatin Valley Food Bank**

Gallatin Valley Food Bank was established in 1982 with a mission to improve food security throughout Southwest Montana. An estimated one-in-ten Montanans suffer from food insecurity, including over 35,000 children (Montana Food Bank Network). Gallatin Valley Food Bank Serves over 60 households daily (Monday-Friday).

Fork & Spoon

Fork & Spoon began as a community café in 2011. It is Montana's first pay-what-you-can restaurant. Her focus is on creating homegrown, scratch-made cooking using locally sourced ingredients whenever possible. Dinner is served from 5 p.m. – 7 p.m. every Sunday through Thursday. Sack lunches are available Friday, 12 p.m. – 3 p.m.

Project Background

Gallatin Valley Food Bank

Each year, 119 billion pounds of food is wasted in the United States (EPA). It equates to 130 billion meals and more than \$408 billion in food thrown away each year (EPA). Shockingly, nearly 40% of all food in America is wasted (EPA). 30% of food is wasted globally contributing 8 % of total global greenhouse gas emissions (U.N. Food and Agriculture Organization). It is estimated that every pound of food thrown away results in 3.8 pounds of greenhouse gas emissions (U.N. Food and Agriculture Organization).

Fork and Spoon

Saving water has a direct relation to saving money. Reducing water use not only drives down water bill but also reduces sewer bills. This project focused on addressing leakage (water waste) from the dish washing sink.

Solution

Gallatin Valley Food Bank

Gallatin Valley Food Bank currently has 38 local sources of food rescue. 23 new ones would be added to reduce food waste and increase food security for Montanans. Due to limited time for this project and much administrative processes, we had to make a baseline estimate of food items in pounds that would be rescued. 27600 pounds of food



would be rescued yearly from going to the landfill which would have emitted 4.37 tons of greenhouse gases as every pound of food thrown away results in 3.8 pounds of greenhouse gas emissions (U.N. Food and Agriculture Organization). \$46920 would be the yearly baseline money saved if the food bank were to buy these food items.

Fork and Spoon

Water used is measured in cubic feet and is billed in units of hundred cubic feet (HCF). One HCF is equal to 748 gallons of water. From the last 3-2 months, fork and spoon water service bill has been on the increase due to water leakage from the dish washing sink. To address it, water wasted per hour when it is ON/OFF was measured. 3 gallons of water were lost when ON and 2 gallons when OFF. 20696 gallons of water will be wasted yearly if not fixed and \$248.04 saved yearly if fixed.



“Thank you, Ume, for helping establish food rescue with the MSU dining halls! Hopefully, those foods will be going to students instead of compost”. — Jon Horn, the Operations Manager Gallatin Valley Food Bank.

Recommended P2 Actions	In Progress				
	Annual Suggested Reductions				
	Annual Savings from P2 (\$)	MTC02e (tons)	Water Waste (Gallons)	Barrier to Implement	Plans to Implement Within 5 Years
Raise awareness/benefits of food waste prevention	46920	4.37		Time & much administrative processes	Y
Develop a food rescue app					N
Continuous integration of new food rescue partners					Y
Fix water leaks.	248.04		20696	Under administrative process	Y
Use dish washer when fully loaded.					Y
Install extra meters at strategic points to monitor water usage.					N