



### CHASING PERFECTION









#### **Approach to Sustainability**

Focus on Zero Waste
Close All Loops
Auditing/benchmarking/Tracking
Process/behavior change





#### **Potential Wastes**

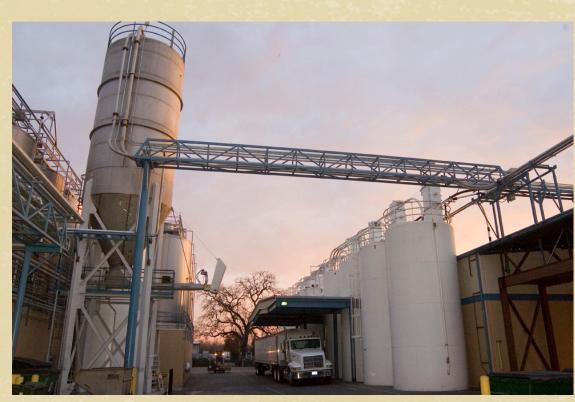
> Energy
> Compressed Air
> Employee time/productivity
> Miscellaneous solid waste > Water
> Packaging Materials
> Food
> Parts/Service
> Money

And most importantly... BEER



#### Largest Organic Material Leaving is Spent Brewer's Grain









#### **Wastewater Treatment - Mills River**





#### **Capstone Microturbines – Mills River**





### What was left in the trash? Food Scraps!

- Edible food is donated to local shelter
- No regional food scraps composting but tried to get it!
- Decided to do our own thing...
  - Urban area
  - Can not batch feed
  - Must be in-vessel
- Purchased a HotRot 1811
  - Simple design
  - Fully automated
  - Technical support
  - Built to site needs



## **Compost Collections**



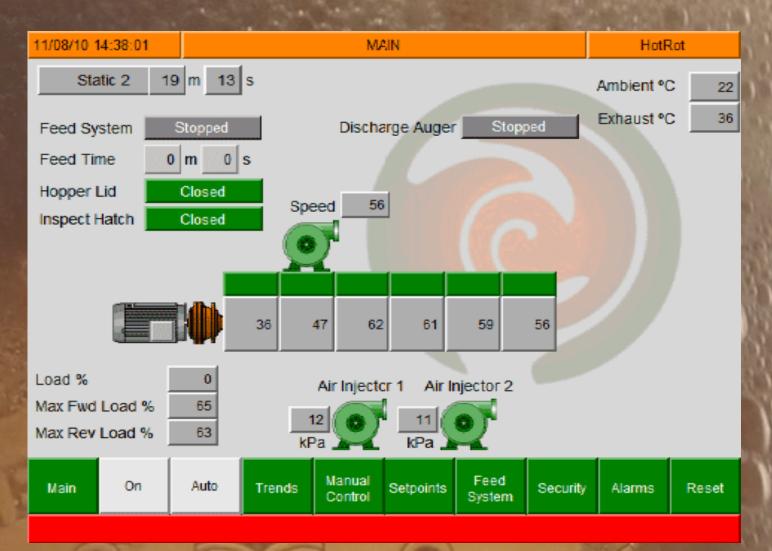
### **Feeding the Beast**



# **HotRot Composter**



### **Fully Automated**



# **Finished Compost**



#### **Uses for Finished Compost**



## **Closed Loop Composting System**

















#### **Engaging Employees**

# LEADING A SUSTAINABLE

# MPOSTING

; food waste, composting is the next best method of reusing ints from food. Compost promotes a healthy garden and difood scraps from landfills where they will produce methane, otent greenhouse gas.

# **D** WASTE

Wast

Wasted food is simply unsustainable – when you think about how many ungry each day. It's not just morally t affects our wallets, too. When you e resources that go into producing is water, energy, packaging material they add up to \$165 billion thrown udfill each year. When sent to the d waste also produces the powerful gas methane, a major contributor to nge. So what can you do?



need a change of pace during the veggies a second chance in smooth-

th your stomach! We tend to order is are so large, we can't finish it all. or take home leftovers to have for ing your own to-go container!).

ed or frozen, compost it with your ost pile is easy to start in the spring

time and you'll have nice soil for your garden by fall. See the composting section on the next page to learn how to built your own compost station!

LIFES,

#### A TOOLKIT FOR SIERRA N

Posted by Cheri Chastain Oct 9, 2015

I love food. I love cooking with my husband, eating a nice restaurant and generally enjoying good food. However, as the E Food Day Employee Cook-Off (Oct. 23) approaches, it got me thinking about food waste and what a huge problem it is globally P. Did you know that up to 1/2 of the food grown in the United States is not consumed? There is a tremendous amount of resources (water, pesticides, fertilizers, labor...) that went into growing that food and even more (electricity, water, packaging, transportation fuel...) that goes into processing it before you purchase that food at a restaurant or bring it home to cook with.

Food... Love it, but don't waste it! in Sustainability

Every time we discard that food, we are not only wasting those resources, but if it all ends up in a landfill, we are contributing to one of the largest sources of greenhouse gas emissions in the country. When organic materials like your old banana peel, a moldy sandwich, or the bones from a plate of ribs end up in a landfill, they tend to decompose anaerobically (without oxygen) which releases methane gas. Methane is 23x more potent as a greenhouse gas than CO2!!



On top of all of this, I think about all of the hungry people in the world. I tutored at a low income elementary school in Sacramento when I was in college and it broke my heart that elementary kids in the Capitol of California, which produces more food for our country than any other state, were wondering where their next meal was going to come from. According to the US Environmental Protection Agency, nearly 35 MILLION tons of food is thrown away every year which could feed most of the hungry people in the world.

Brought to you by Sustainability

So... what can you do about it? During the 2014 Sustainable Lifestyle Series, food waste was one of the topics we covered. We solicited feedback from all of you on how you work to reduce food waste in your lives. We received some amazing feedback and included it as part of the 🗈 Sustainable Lifestyle Booklet - Readable.pdf that you can download in our space. There are also some grocery stores globally 🕫 that are embracing what we would consider to be "ugly"

# SIERRA NEVADA

# **CHEERS!**

