Food Waste Diversion in Action – Pilot project with pulped food waste from Colorado State University to Drake Water Reclamation Facility

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Outline

• Introduction
• CSU’s sustainability efforts
• Food Waste “Production”
• Food Waste Disposal
• Results
• Conclusion and Next Steps
Colorado State University
CSU’s Sustainability Efforts

- 13 Residence Halls
- 5325 undergraduate student
- 2012 – diverted 96,000 lbs of food waste
- 2013 – as of August 142,000 lbs diverted
  - Pre-Consumer – 49,000 lbs
  - Post-Consumer – 93,000 lbs
Food Waste Pulping Facilities

Academic Village

Durrell Hall

Braiden Hall
Food Waste Production
“Input”
Food Waste Production Grinder
Food Waste Production
Hydro-Extractor
Food Waste Production Discharge
Food Waste Disposal Delivery
Food Waste Disposal Product
Food Waste Disposal Operations
Results

Fort Collins - CSU Foodwast Pilot

Digester Failure
Conclusions

• Food Waste Addition does not noticeably increase gas production

• However, does not adversely impact plant process

• Significant increases in food waste volumes will require more capital investment
Questions?