

BIORESOURCES *and the* *URBAN MARKET*

a Community & Institutional Composting Approach



A Collaborative Partnership



WHO WE ARE

The 301 Organics team has over 100 years of combined environmental and composting industry expertise



ORGANICS RECOVERY & COMMERCIAL COMPOSTING PROGRAM PLANNING

solid waste audits and
characterization studies, food
waste processing technology
analysis and composting
feasibility studies

GREEN JOBS TRAINING

High school level job readiness and
waste management education and
training, paid internship and job
shadow opportunities, hands-on work
experience as “composting cadets”



HOME COMPOSTING SERVICES

Offering homeowners and multi-
family residences personalized
home composting service

**“we come to you, to compost for
you”**



THE URBAN SECTOR

40% of food
LANDFILLED
causing
pollution

\$218B
of food
produced
WASTED

OVERUSE OF
CHEMICAL
FERTILIZERS





INSTITUTIONAL



Green Job Training and Placement



Job Retraining



Commercial Scale Composting – Off-Grid



Public Outreach

118 tons organics diverted
1 ton composted on-site
13 cy compost produced on-site
1,185 student job placements
7 tons food donated
5 tons food fed to livestock



Advanced Personnel Training



How did we do it?

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Diversion
“Composting & Donation”



Recovery
“Collection Process”



**Output/
Product**
“Compost/Soil”



Use
“Food Production”
“Landscaping/Turf”
Compostable Products”



Generation
“Discarded Material”



NOW TO
COMPOST

BEFORE TO
LANDFILL

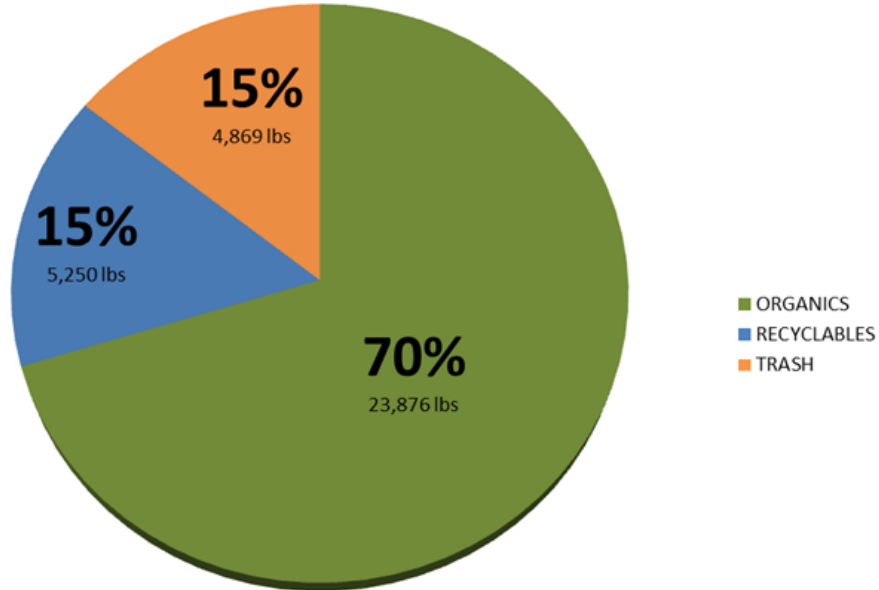


GOING BEYOND COMPLIANCE



Solid Waste Audit Evaluation Report

Potential for Diversion - Combined Totals
Rose Bowl Stadium
(October 22, 2016; November 12, 2016;
November 19, 2016)



2017

Organics Management System Evaluation Report

TABLE 10
Systems Ranking by Score

System Type	Weighted Score (All Criteria)*
In-Vessel Composter	451.3
Biodigester	416.3
Liquifier	373.0
Anaerobic Digester	331.6
Dehydrator	312.3

2018

PROPOSED ALTERNATIVES

1. No Action/Non-Compliance
2. Off-site Hauling and Processing
3. On-Site Food Waste Processing/Off-Site Greenwaste & Paper
4. All In On-Site: Food, Greenwaste, Paper



Building Strategic Partnerships and Alliances



LA CONSERVATION CORPS

Transforming Youth. Enhancing Communities.



TRIALS

- Fermentation
- Dehydrator
- FASP On-Site Compost System
- Stadium grass clippings (2020)
- Compostable goods (2020)
- UCLA food waste (2020 season)
- Compost Application





GOING BEYOND THE MARKET



PERSONNEL TRAINING

WORKFORCE DEVELOPMENT

“Green Jobs Training Program”



GREEN JOBS TRAINING PROGRAM

To provide instruction and to empower high school students in the science of composting

- **Tier I** - 8 hours on-line class instruction
- **Tier II** - Min. 24 hours field training (STEM learning)
- **Tier III** - Job shadow opportunities
- **Tier IV** - Paid internships for qualified students



ON-THE-JOB TRAINING



Tier IV Paid Internships



Job Skills Developed: customer service, public speaking, problem solving, data collection/record keeping, data analysis, communications





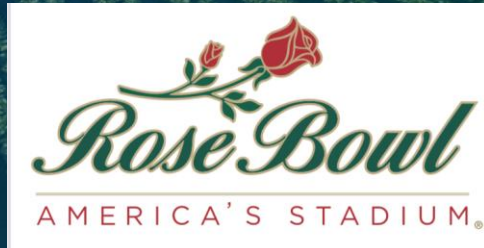
LONG-TERM CAREER PLACEMENT

Putting students on a path to careers in the environmental field through the advancement of business partnerships and strategic industry training to combat climate change.

Tiers I – IV
Entry Level Job
Placement



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Tier V
Career
Advancement

PUSHING THE BOUNDARIES

To test efficacy of finished product and available technologies

- Larger scale broadcast of compost extract on golf course
- Deep root injection trials of dying trees slated for removal
- Other biodigesters for pre-processing of food waste

A FINAL MESSAGE





THANK YOU

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