Welcome Building Coordinators!
December 21, 2016
Welcome Building Coordinators!

Coffee and Treats
Welcome
Introductions
Recognition-Appreciation
Recycle Updates - Vision 2020 - Beth MacKenzie
Services Guide Update - Steph Rourke
Food Truck Guidelines: Committee Proposal
Feature Presentation: **Main Campus Steam Capacity** - Ben Fish
Q & A

Coming in January: Big Data’s Impact on Facilities Operations: Don Guckert
January 10, 2017: Iowa Memorial Union - Iowa Theatre (Old Bijou)
Welcome Building Coordinators!

Attendees December 21, 2016:

Welcome Building Coordinators!

Recognition and Appreciation (Notes from meeting):
Coffee, muffins and cookies were served as an appreciation for year-end.

Attendance: Several coordinators have attended every BC monthly meeting in 2016. The BLS and FM series has been well-attended and BC’s have also been sharing and forwarding the meetings to others in their departments. FM is looking at more formalized ways of recognizing the regular attendance of Building Coordinators. Several BC’s have also attended the monthly tours provided by host departments.

Best-Practice Spotlight: Gordon Tribbey, Assistant Dean, College of Law, was featured for his weekly updates on BLB building projects sent to his LawMail list and an extended group of FM staff and service providers. He often includes project photos, scheduled updates and upcoming changes.
Welcome Building Coordinators!

Glimpses of 2016 Tours
Beth MacKenzie – Recycling Coordinator – Office of Sustainability

Recycle Updates – Vision 2020
Decrease Our Production of Waste

- 60% waste diversion by 2020
- Foster a culture oriented to reduce waste, increase recycling, facilitate composting of organic waste, and enhance green purchasing practices

Where are we now?
## FY16 Waste Diversion Rates

<table>
<thead>
<tr>
<th>FUND</th>
<th>RECYCLING</th>
<th>ORGANICS</th>
<th>OTHER DIVERSION</th>
<th>LANDFILL</th>
<th>DIVERSION RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEF</td>
<td>1,900,667</td>
<td>19,472</td>
<td>39,750</td>
<td>3,452,190</td>
<td>36.2%</td>
</tr>
<tr>
<td>HOUSING/DINING</td>
<td>776,238</td>
<td>432,765</td>
<td>24,296</td>
<td>1,289,551</td>
<td>48.9%</td>
</tr>
<tr>
<td>HOSPITAL/CLINICS</td>
<td>1,694,563</td>
<td>164,580</td>
<td>31,099</td>
<td>6,385,418</td>
<td>22.8%</td>
</tr>
<tr>
<td>ATHLETICS</td>
<td>93,134</td>
<td>NA</td>
<td>NA</td>
<td>171,790</td>
<td>35.2%</td>
</tr>
<tr>
<td>IMU</td>
<td>95,103</td>
<td>32,281</td>
<td>NA</td>
<td>287,720</td>
<td>30.7%</td>
</tr>
<tr>
<td>CAMPUS</td>
<td>4,666,402</td>
<td>649,098</td>
<td>2,970,217</td>
<td>12,825,993</td>
<td>39.2%</td>
</tr>
</tbody>
</table>
We Can Do More

At least 65% could be recycled, composted, or prevented!
2020 Goal: 60%
FY16: 40%
FY16: 0%
FY16: 20%
FY16: 0%

2016 2017 2018 2019 2020

Diversion  Landfill

- 7,000
- 6,000
- 5,000
- 4,000
- 3,000
- 2,000
- 1,000
- 0
How Do We Get There

Tiny Trash

Recycling Optimization

ECOHAWK

RECYCLING GUIDE

ACCEPTED ITEMS
- Plastics
- Aluminum, Metal and Tin Cans
- Paper (including newspapers, postal items, cardboard and envelopes)
- Glass
- Styrofoam

ITEMS NOT ACCEPTED
- Foil, Tinfoil, Aluminum Foil
- Styrofoam (may be recycled at drop-off)
- Perishable food items
- Shredded paper
- Glass bottles and jars
RecycleMania 2017
Get Involved. Win Prizes.
February 5 – April 1
recycle.uiowa.edu
Beth MacKenzie, Recycling Coordinator
recycle.uiowa.edu
recycle@uiowa.edu
Facilities Management Services Guide
Steph Rourke

- Rough Draft initialized
- Leadership team has met to begin update
- Stakeholder engagement
Dave Jackson

Food Truck Guidelines
Food Truck Guidelines -
Dave Jackson

Operations Team Committee:

Tom Rocklin - Chair
Ken Brown, Tippie College of Business
Daniel Cook, Graduate and Professional Student Government
Nancy Davin, Center for Aging
Jill Irvin, University Housing & Dining
David Jackson, Facilities Management
Faryle Nothwehr, College of Public Health
Lindsey Raynor, University of Iowa Student Government
Scott Seagren, University Housing & Dining Von Stange, University Housing & Dining
David Stenerson, Purchasing
Jennifer Stout, Carver College of Medicine
Rebecca Waltman, Carver College of Medicine
Debby Zumbach, Purchasing
Charge:

Develop a framework to manage the presence of food trucks on campus.
Recommendations:

1. Food trucks operate only at invitation of department or recognized student organization (host).
2. Food trucks will operate on campus only after signing a standard contract managed by Purchasing.
3. Hosts can invite food trucks to approved locations only.
4. Hosting requires responsible party role.
5. Web Resources for vendors and departments.

(To be sent to Ops Committee for review and approval)
Discover how Big Data is finding its way into the facilities management profession and how our industry is increasingly positioning itself to harness and leverage the explosion of data collection and processing. At the center of this facilities-related Big Data revolution is the deployment of building systems fault detection and diagnostic methodologies which hold the promise of moving our profession from a reactive service model to more of a predictive service model. Learn how employing a monitoring-based commissioning model, built on data analytics, holds the promise of providing more efficient building operations, retaining energy conservation gains, and lowering the risks to business continuity by using a predictive maintenance approach.

January 10, 2017: Iowa Memorial Union - Iowa Theatre (Old Bijou)
Main Campus Steam Capacity
Main Campus Steam Capacity
Ben Fish
Campus Steam Demand
5 Buildings Responsible for 25% of Total Steam Demand

14 Buildings Responsible for 50% of Total Steam Demand
5 Buildings Responsible for 25% of Total Steam Demand

14 Buildings Responsible for 50% of Total Steam Demand
Steam System Capacity Constraints
Boiler 10 Boiler MACT Project

• Project modifies Boiler 10 to be compliant with new EPA air regulations
• Boiler 10 is offline until end of January
• Original completion date was October 2016
• Delays were caused by unforeseen conditions during construction
WCB’s have exceeded useful life
WCB’s have exceeded useful life
Boiler 11 Tube Failure
Boiler 11 Tube Failure
Boiler 11 Tube Failure

- Boiler 11 tube rupture occurred mid-October
- Nature of failure – sudden and with no warning
- Current condition of Boiler 11 is uncertain due to violent failure mode
Lot #11 Rental Boilers

- Capacity addition of 120,000 kpph
- Temporary variance from Iowa DNR for operation permit
Lot #11 Rental Boilers

- Project commenced November, 2016
- Boilers first fired Friday, December 15, 2016
- Construction completes in January 2017 with building enclosure
Risk Mitigation and Recovery Plans

• Power Plant Shutdown of electrical generation
  – Will add 35 KPPH steam to campus
• Non-critical buildings in HVAC recirculating mode
• UIHC will be asked to minimize steam consumption
• Throttle back exhaust air to 50% on research buildings with 100% makeup air units
• Buildings will be closely monitored for any problems related to reduction in heating