Utility Billing and EnergyCAP

Presenters:
Marla Johnson, Financial Manager, Utilities
George Paterson, Manager, Energy Control Center, Utilities

November 20, 2019
Strategies of Three Year Plan

• Automate manual activities to reduce resourcing requirements
• Harness technology and data analytics to identify cost reduction opportunities
Create Positive Working Relationships that allow our TEAMS to assume Positive Intent
Past Practice

Collect Meter Readings

Steam
Electric
Chilled Wtr
Water
Sewer
HQ Water
Refuse
Recycle
Env Waste
Fire Protect

Master Utility Spreadsheet

Monthly CV Spreadsheet

General Ledger
Opportunities

• Reduce Manual Data Entry
  ➢ Less Labor
  ➢ Improved Accuracy

• Transition from Spreadsheets to Database System
  ➢ Eliminate risk of spreadsheet corruption
  ➢ Standardization across all commodities
  ➢ Eliminate data ‘silos’
  ➢ Central Repository for Reporting and Analysis (One version of the truth)

• Direct Support for Energy Management
  ➢ Industry Standard Analyses
  ➢ EnergyStar Benchmarking
  ➢ Normalized Data
  ➢ Versioning
Reduce Manual Meter Readings

• Eliminate 130 manual chilled water meter readings monthly.
• In future will eliminate 470 manual water meter readings monthly.
Reduce Manual Data Entry

- Spreadsheet for each commodity was provided to accounting who manually entered usage into master spreadsheet where charges were calculated.
Reduce Manual Data Entry

Charges were manually entered into spreadsheet for monthly CV.
Spreadsheet $H-!!$

I wonder which formula I typed over?

You break it you own it!
Standardization

• Previously, all eleven commodities were being tracked by different people in different ways.

• Back-tracking to find answer to questions or find a source of error could be time consuming and require multiple people.

• Standardization creates more transparency and makes it easier to cross-train individuals.
One Version of the Truth

- Using a database allows everyone to see exactly the same data.
- Reports and analyses can be shared amongst all users.
- Data silos are eliminated.
- Data integrity is easier to maintain than in spreadsheets.
- Increased continuity when there is personnel turnover.
Data is Used for More than Billing

- Energy usage data is vital to energy management.
Improvements for Energy Management

- Automatically normalize data by weather and area (gsf)
- Versioning
- Industry Standard Analyses
- EnergyStar Benchmarking
- Measurement and Verification
Weather Normalization

Degree Days

August 2017: 198 CDD
August 2018: 293 CDD
Create Positive Working Relationships that allow our TEAMS to assume Positive Intent
The Approach:

- RFP
- TEAM INPUT
- SELECTED ENERGY CAP
Project Manager-Ben Anderson
Utility Finance-Marla Johnson
Energy Control Center-George Paterson
FM IT-Steve Sawyer
BLS-Katie Rossman
Accounting-Jim Hackman, Jennifer Partida
Meters & Controls-John Paul
General Goals

• Automated workflow from meter to Billing Software
• Single review per commodity (eliminate multiple touch points to get data into system)
• Automated notification via auditing for abnormal/suspect meter readings
• Easy access and understanding of customer billing statement
• Simplification of Billing workflow with focus on meter data (phase 1)
Making Utility Bill Accounting & Energy Management...

**Easier.**

EnergyCAP energy management and utility bill accounting software simplifies your work and frees you up for higher-level planning and analysis.

- Group and benchmark your buildings to quickly identify outliers.
- Analyze energy data for any time period or organization level.
- Save time by automating repetitive accounting & management tasks.

**Smarter.**

The EnergyCAP information system is a smarter way to manage energy, present your data, or troubleshoot energy issues.

- Streamline your utility bill accounting workflow.
- Track progress toward energy reduction goals.
- Audit and approve bills before they are paid.

**Friendlier.**

EnergyCAP’s user-friendly energy management software tools provide the data you need to make wise decisions.

- Log in from any location or device.
- Customize, share, and embed energy dashboards.
- Share reports across the street or around the world.
Create Positive Working Relationships that allow our TEAMS to assume Positive Intent
Implementation and Communication:

- System Overview
- New workflow process
- How we generate a bill
- Bills automatically fed into People Soft
- Energy Management
- Dash Boards
Organization
How We Generate the Bill

1. PI System
2. Import Interval Data
3. Process Chargebacks
4. Run Reformatter
5. General Ledger
Interval Data

Buildings & Meters

- University of Iowa [U.IOWA]
  - Main Campus [MAIN_CAMPUS]
  - Oakdale Campus [OAKDALE_CAMPUS]
    - 401 Westcor Drive [0484]
  - Biomedical Research Support Facility [0245]
    - BRSF-SUB-CW/A-152 [BRSF-SUB-CW/A-152]
    - BRSF-SUB-CW/A-CONSTN [BRSF-SUB-CW/A-CONSTN]
    - BRSF-SUB-DW-CONSTN [BRSF-SUB-DW-CONSTN]
    - BRSF-SUB-DW-REV-OK16H [BRSF-SUB-DW-REV-OK16H]
    - BRSF-SUB-DW-REV-OK16L [BRSF-SUB-DW-REV-OK16L]
    - BRSF-SUB-EL-CONSTN [BRSF-SUB-EL-CONSTN]
    - BRSF-SUB-EW [BRSF-SUB-EW]
    - BRSF-SUB-FIRE [BRSF-SUB-FIRE]
    - BRSF-SUB-HW-154 [BRSF-SUB-HW-154]
    - BRSF-SUB-REF [BRSF-SUB-REF]
    - BRSF-SUB-ST-CONSTN [BRSF-SUB-ST-CONSTN]
    - BRSF-SUB-WST [BRSF-SUB-WST]
    - BRSF-SUB-WW-REV-OK16H [BRSF-SUB-WW-REV-OK16H]
    - BRSF-SUB-WW-REV-OK16L [BRSF-SUB-WW-REV-OK16L]

Interval Data: 10/01/1999 – 10/01/2019

Reading | Reading value | Calculated value | Estimated | Note
---|---|---|---|---
10/01/2019 12:00:00 AM | 30.43 | 30.43 MMBtu | | |
09/01/2019 12:00:00 AM | 38.68 | 38.68 MMBtu | | |
08/01/2019 12:00:00 AM | 39 | 39 MMBtu | | |
07/01/2019 12:00:00 AM | 40.44 | 40.44 MMBtu | | |
Charge Back - Workflow

Steam

Billing period
September 2019

1 ST Submeters
Process ST channel readings

<table>
<thead>
<tr>
<th>Meter</th>
<th>This step</th>
<th>Sep 2019</th>
<th>Use</th>
<th>Sep 2018</th>
<th>Aug 2019</th>
<th>Unit Cost</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB:SUB-STHP-073</td>
<td>1 bill</td>
<td>1 bill</td>
<td>100 %</td>
<td>0 %</td>
<td>4.60 MMBl</td>
<td>$77.00</td>
<td>16.725/MMBl</td>
</tr>
<tr>
<td>ABW:SUB-STHP-125</td>
<td>1 bill</td>
<td>1 bill</td>
<td>75 %</td>
<td>203 %</td>
<td>203.81 MMBl</td>
<td>$4,918.41</td>
<td>16.740/MMBl</td>
</tr>
<tr>
<td>AB:SUB-STLP-130</td>
<td>1 bill</td>
<td>1 bill</td>
<td>8 %</td>
<td>13 %</td>
<td>178.37 MMBl</td>
<td>$2,985.93</td>
<td>16.740/MMBl</td>
</tr>
<tr>
<td>B-SUB-STHP-092</td>
<td>1 bill</td>
<td>1 bill</td>
<td>50 %</td>
<td>17 %</td>
<td>491.01 MMBl</td>
<td>$8,219.56</td>
<td>16.740/MMBl</td>
</tr>
<tr>
<td>B SUB-STLP-092</td>
<td>1 bill</td>
<td>1 bill</td>
<td>8 %</td>
<td>193 %</td>
<td>405.50 MMBl</td>
<td>$6,788.11</td>
<td>16.740/MMBl</td>
</tr>
<tr>
<td>B:SUB-STLP-063</td>
<td>1 bill</td>
<td>1 bill</td>
<td>22 %</td>
<td>20 %</td>
<td>25.02 MMBl</td>
<td>$418.84</td>
<td>16.740/MMBl</td>
</tr>
<tr>
<td>BB:SUB-STLP-035</td>
<td>1 bill</td>
<td>1 bill</td>
<td>8 %</td>
<td>24 %</td>
<td>12.47 MMBl</td>
<td>$208.75</td>
<td>16.740/MMBl</td>
</tr>
<tr>
<td>BD:SUB-STLP-035</td>
<td>1 bill</td>
<td>1 bill</td>
<td>8 %</td>
<td>67 %</td>
<td>1.49 MMBl</td>
<td>$24.94</td>
<td>16.738/MMBl</td>
</tr>
<tr>
<td>BBE:SUB-STHP-033</td>
<td>1 bill</td>
<td>1 bill</td>
<td>4 %</td>
<td>86 %</td>
<td>1.22 MMBl</td>
<td>$20.42</td>
<td>16.738/MMBl</td>
</tr>
<tr>
<td>BBE:SUB-STLP-066</td>
<td>1 bill</td>
<td>1 bill</td>
<td>11 %</td>
<td>3 %</td>
<td>203.50 MMBl</td>
<td>$4,913.22</td>
<td>16.740/MMBl</td>
</tr>
<tr>
<td>BCSB:SUB-STLP-011</td>
<td>1 bill</td>
<td>1 bill</td>
<td>13 %</td>
<td>3 %</td>
<td>113.68 MMBl</td>
<td>$1,903.01</td>
<td>16.740/MMBl</td>
</tr>
</tbody>
</table>

2 ST Summary 1
Calculate ST summation meters

<table>
<thead>
<tr>
<th>Meter</th>
<th>This step</th>
<th>Sep 2019</th>
<th>Use</th>
<th>Sep 2018</th>
<th>Aug 2019</th>
<th>Unit Cost</th>
<th>Cost</th>
</tr>
</thead>
</table>

Facilities Management

The University of Iowa
## Year over Year report (bill audit)

### University of Iowa

<table>
<thead>
<tr>
<th>Building Name</th>
<th>Building Code</th>
<th>Sep 2017 - Sep 2018</th>
<th>Sep 2018 - Sep 2019</th>
<th>Change over 2017-2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adler Journalism and Mass Communication Building</td>
<td>0456</td>
<td>273</td>
<td>294</td>
<td>21</td>
</tr>
<tr>
<td>Art Building</td>
<td>0021</td>
<td>118</td>
<td>0</td>
<td>-118</td>
</tr>
<tr>
<td>Art Building West</td>
<td>0037</td>
<td>18</td>
<td>5</td>
<td>-14</td>
</tr>
<tr>
<td>Becker Communication Studies Building</td>
<td>0376</td>
<td>131</td>
<td>114</td>
<td>-17</td>
</tr>
<tr>
<td>Blank Honors Center</td>
<td>0454</td>
<td>167</td>
<td>148</td>
<td>-20</td>
</tr>
<tr>
<td>Boyd Law Building</td>
<td>0377</td>
<td>221</td>
<td>177</td>
<td>-44</td>
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<tr>
<td>Boyd Tower</td>
<td>0343</td>
<td>1,295</td>
<td>1,166</td>
<td>-129</td>
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<tr>
<td>Calvin Hall</td>
<td>0007</td>
<td>163</td>
<td>138</td>
<td>-25</td>
</tr>
<tr>
<td>Canver-Hawkeye Arena</td>
<td>0374</td>
<td>964</td>
<td>909</td>
<td>-55</td>
</tr>
<tr>
<td>Catlett Residence Hall</td>
<td>0272</td>
<td>652</td>
<td>638</td>
<td>-14</td>
</tr>
<tr>
<td>Center for Disabilities and Development</td>
<td>0118</td>
<td>107</td>
<td>127</td>
<td>20</td>
</tr>
<tr>
<td>Children's Hospital</td>
<td>0400</td>
<td>5,195</td>
<td>4,561</td>
<td>-634</td>
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<tr>
<td>Chilled Water Plant 1</td>
<td>0314</td>
<td>804</td>
<td>812</td>
<td>8</td>
</tr>
</tbody>
</table>

### Facilities Management

**The University of Iowa**
Bills are automatically fed into People Soft

SA3 Report - Statement of Account
accounting period 04, fiscal year 2020
OCTOBER, 2019

I. Free Balance Recap - Summary
II. Free Balance Recap - Detail of Ending Balance
III. Transaction Detail
IV. Revenue Recap by Account Element
V. Expenditure Recap by Account Element
VI. Balance Sheet
VII. Statement of Revenues and Expenditures

Select a report section to receive as an excel spreadsheet:

return to the SA3 input form containing your search criteria return to a blank SA3 input form

Payroll encumbrances are included for all funds

<table>
<thead>
<tr>
<th>BEGINNING BALANCE</th>
<th>BALANCE FORWARD</th>
<th>ALLOCATIONS</th>
<th>REVENUE</th>
<th>EXPENDITURES</th>
<th>ENCUMBRANCES</th>
<th>FREE BALANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>45,454,426.00</td>
<td>0.00</td>
<td>0.00</td>
<td>12,582,067.13</td>
<td>722,294.52</td>
<td>32,149,974.35</td>
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<tr>
<td>MONTHLY TRANSACTIONS</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>4,093,774.76</td>
<td>565,028.89</td>
<td>28,110,958.14</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENDING BALANCE</th>
<th>BALANCE FORWARD</th>
<th>ALLOCATIONS</th>
<th>REVENUE</th>
<th>EXPENDITURES</th>
<th>ENCUMBRANCES</th>
<th>FREE BALANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>45,454,426.00</td>
<td>0.00</td>
<td>0.00</td>
<td>16,479,841.83</td>
<td>663,235.65</td>
<td>28,110,958.14</td>
</tr>
</tbody>
</table>

III. Transaction Detail
Financial Systems Tools

<table>
<thead>
<tr>
<th>INST</th>
<th>ORG</th>
<th>DEPT</th>
<th>CCTR</th>
<th>DESCRIPTION</th>
<th>JOURNAL_ID</th>
<th>VOUCHER</th>
<th>PO</th>
<th>CHECK</th>
<th>UNIV ID</th>
<th>SUB-LEDGER</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>056</td>
<td>000</td>
<td>00302</td>
<td>0115</td>
<td>SQ-SUB-ST-L</td>
<td>10370UTILY</td>
<td>10 31 2019</td>
<td>351764</td>
<td>89.73</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5280</td>
<td>000</td>
<td>00302</td>
<td>0120</td>
<td>HA-SUB-ST-H</td>
<td>10370UTILY</td>
<td>10 31 2019</td>
<td>351644</td>
<td>9,756.13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5280</td>
<td>000</td>
<td>00302</td>
<td>0125</td>
<td>VOX-SUB-ST-</td>
<td>10370UTILY</td>
<td>10 31 2019</td>
<td>351659</td>
<td>118.52</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5280</td>
<td>000</td>
<td>00302</td>
<td>0132</td>
<td>LSC-SUB-ST-</td>
<td>10370UTILY</td>
<td>10 31 2019</td>
<td>351683</td>
<td>4,733.60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5280</td>
<td>000</td>
<td>00302</td>
<td>0134</td>
<td>DH-SPLT-ST-</td>
<td>10370UTILY</td>
<td>10 31 2019</td>
<td>351795</td>
<td>1,719.20</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Information that will be in the General Ledger

<table>
<thead>
<tr>
<th>Bill ID</th>
<th>351644</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account</td>
<td>HA-SUB-ST-HP-069</td>
</tr>
<tr>
<td>Commodity</td>
<td>Steam</td>
</tr>
<tr>
<td>Start</td>
<td>9/1/2019</td>
</tr>
<tr>
<td>Acct Month</td>
<td>4</td>
</tr>
<tr>
<td>Acct Year</td>
<td>2020</td>
</tr>
<tr>
<td>Estimated</td>
<td>Yes</td>
</tr>
<tr>
<td>Void</td>
<td>No</td>
</tr>
<tr>
<td>Cost</td>
<td>$9,756.13</td>
</tr>
<tr>
<td>Cost/Day</td>
<td>$325.20 /Day</td>
</tr>
<tr>
<td>Usage</td>
<td>582.8 MMBtu</td>
</tr>
</tbody>
</table>

Notes: Meter was not operating for 1st 10 days of September
Account naming conventions

**HA-SUB-ST-HP-069**

- HA: Hancher first 2-3 alpha characters are the building
- SUB: submeter, SUM: Summation, SPLIT: Split Meter
- ST: the commodity
  - EL: electric
  - ST: steam
  - DW: Domestic Water
  - CW: Chilled Water
  - WW: Waste Water
  - REF: Refuse
  - REC: Recycle
  - HQW: High Quality Water
  - WST: Waste
  - EW: Environmental Waste

- HP: high pressure, LP: Low Pressure
- 069: meter number
Utility Bill

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Usage</th>
<th>Dollars</th>
<th>YTD</th>
<th>Fiscal YTD</th>
<th>Prior Fiscal YTD</th>
<th>Diff</th>
<th>Diff %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chilled Water</td>
<td>7,416</td>
<td>$123,065.81</td>
<td>$313,450.71</td>
<td>$376,020.85</td>
<td>($62,560.04)</td>
<td>-16%</td>
<td></td>
</tr>
<tr>
<td>Electric</td>
<td>645,825</td>
<td>$54,861.78</td>
<td>$113,504.77</td>
<td>$116,679.91</td>
<td>($3,175.14)</td>
<td>-3%</td>
<td></td>
</tr>
<tr>
<td>Environmental W</td>
<td>484</td>
<td>30.00</td>
<td>1,724.20</td>
<td>-</td>
<td>5,724.20</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Fire Protection</td>
<td>21,566</td>
<td>$17,766.05</td>
<td>1,472.12</td>
<td>3,472.13</td>
<td>($1,999.36)</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Recycle</td>
<td>290</td>
<td>214.97</td>
<td>599.04</td>
<td>836.84</td>
<td>($237.87)</td>
<td>-39%</td>
<td></td>
</tr>
<tr>
<td>Refuse</td>
<td>31</td>
<td>$284.53</td>
<td>596.18</td>
<td>836.84</td>
<td>($240.66)</td>
<td>-29%</td>
<td></td>
</tr>
<tr>
<td>Sewer</td>
<td>220</td>
<td>$1,461.69</td>
<td>2,000.57</td>
<td>3,643.08</td>
<td>($1,641.41)</td>
<td>-18%</td>
<td></td>
</tr>
<tr>
<td>Sh&amp;I</td>
<td>1,210</td>
<td>$423,755.64</td>
<td>91,611.34</td>
<td>89,666.06</td>
<td>19,049.58</td>
<td>20%</td>
<td></td>
</tr>
<tr>
<td>Waste</td>
<td>1,150</td>
<td>$169.00</td>
<td>824.00</td>
<td>841.95</td>
<td>($17.95)</td>
<td>-2%</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>246,654.77</td>
<td>$1,434.75</td>
<td>2,000.00</td>
<td>3,521.45</td>
<td>($816.71)</td>
<td>-18%</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>680,685.77</td>
<td>$224,046.24</td>
<td>$542,999.76</td>
<td>$594,446.17</td>
<td>($51,446.41)</td>
<td>-9%</td>
<td></td>
</tr>
</tbody>
</table>

- **Electric KW/H Usage**
- **Steam MMHBU Usage**
- **Water MGAL Usage**
- **Chilled Water MMHBU Usage**

Facilities Management

The University of Iowa
## CHEMISTRY BUILDING

251 North Capitol Street  
Building Number: 0003  
Building Abbreviation - CB  
GSF - 258,789

### Summary of Utility Charges  
**July 1- July 31, 2019**  
**Billing Period: August FY20**

### Summary of Current Charges  
**August FY20**

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Usage</th>
<th>Units</th>
<th>Dollars</th>
<th>YTD</th>
<th>Fiscal YTD</th>
<th>Prior Fiscal YTD</th>
<th>Diff</th>
<th>Diff %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chilled Water</td>
<td>7,616</td>
<td>MMBTU</td>
<td>$123,006.81</td>
<td>$315,450.71</td>
<td>$376,020.55</td>
<td>(60,569.84)</td>
<td>-16%</td>
<td></td>
</tr>
<tr>
<td>Electric</td>
<td>645,825</td>
<td>KWH</td>
<td>$54,861.78</td>
<td>$115,504.72</td>
<td>$119,675.93</td>
<td>(4,171.21)</td>
<td>-3%</td>
<td></td>
</tr>
<tr>
<td>Environmental Waste</td>
<td>684</td>
<td>KG</td>
<td>$0.00</td>
<td>$5,724.23</td>
<td>$5,724.23</td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Protection</td>
<td>21,566</td>
<td>SQ FT</td>
<td>$1,736.06</td>
<td>$3,472.12</td>
<td>$3,472.13</td>
<td>0.01</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Recycle</td>
<td>29</td>
<td>CLB</td>
<td>$214.97</td>
<td>$509.04</td>
<td>$836.54</td>
<td>(327.50)</td>
<td>-39%</td>
<td></td>
</tr>
<tr>
<td>Refuse</td>
<td>31</td>
<td>CLB</td>
<td>$285.53</td>
<td>$596.10</td>
<td>$836.54</td>
<td>(240.44)</td>
<td>-29%</td>
<td></td>
</tr>
<tr>
<td>Sewer</td>
<td>329</td>
<td>CCF</td>
<td>$1,401.69</td>
<td>$3,003.57</td>
<td>$3,645.08</td>
<td>(641.51)</td>
<td>-18%</td>
<td></td>
</tr>
<tr>
<td>Steam</td>
<td>3,210</td>
<td>MMBTU</td>
<td>$40,875.64</td>
<td>$94,611.36</td>
<td>$85,696.00</td>
<td>8,915.36</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>Waste</td>
<td>1,150</td>
<td>LB</td>
<td>$309.00</td>
<td>$824.90</td>
<td>$841.95</td>
<td>(17.05)</td>
<td>-2%</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>246</td>
<td>MGAL=KG/</td>
<td>$1,354.76</td>
<td>$2,903.01</td>
<td>$3,521.45</td>
<td>(618.44)</td>
<td>-18%</td>
<td></td>
</tr>
</tbody>
</table>

**Total**  
680,685.77  
**Total**  
$224,046.24  
$542,599.76  
$594,546.17  
(51,946.41)  
-9%
June low pressure steam usage at MacBride Hall is extremely high compared to last year. 280 vs 35 MMBTU. Meters and Controls reports this is not a metering issue. Is something in the operation of the building causing this? Please investigate.
Interval Data used for Energy Management

Issue with valve and actuator found. Also bad traps. WO 20-626632
Next Steps

- Billing and Accounting Audits
- Internal Energy Management
- Groups and Benchmarks
- Central University BI
- External Website
# Energy Management

## Housing and Dining Building Use/Area: FYTD

<table>
<thead>
<tr>
<th>Building</th>
<th>MMBtu/SqFt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burge Hall</td>
<td>0.060</td>
</tr>
<tr>
<td>Catlett Residence Hall</td>
<td>0.052</td>
</tr>
<tr>
<td>Petersen Residence Hall</td>
<td>0.048</td>
</tr>
<tr>
<td>Hillcrest Hall</td>
<td>0.038</td>
</tr>
<tr>
<td>Daum Hall</td>
<td>0.033</td>
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<tr>
<td>Currier Hall</td>
<td>0.026</td>
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<tr>
<td>Slater Hall</td>
<td>0.026</td>
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<tr>
<td>Rienow Hall</td>
<td>0.021</td>
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<tr>
<td>Stanley Hall</td>
<td>0.015</td>
</tr>
<tr>
<td>Mayflower Hall</td>
<td>0.004</td>
</tr>
<tr>
<td>Parklawn Hall</td>
<td>0.001</td>
</tr>
<tr>
<td>Hawkeye Drive Apartments</td>
<td>0.000</td>
</tr>
<tr>
<td>Housing Services Complex</td>
<td>0.000</td>
</tr>
</tbody>
</table>
Energy Management Continued

Housing and Dining Energy Use Intensity

Facilities Management

The University of Iowa
Facilities Services-Maps
Questions?