Capital Improvements

Utilizing Benchmarked Data
Data Utilization for Capital Improvements

- Comparative EUI data used for project prioritization
- Building trends used for determining project scope
- Sustainability reviews for new projects
- Ongoing performance tracking for energy efficient equipment
Internal and External Reporting

Utilizing Benchmarked Data
Energy and Utility Data Management Report

Citywide, departmental, facility-level trends

<table>
<thead>
<tr>
<th>Citywide, departmental, facility-level trends</th>
<th>Overall Energy Consumption (MMBTU)</th>
<th>Weather Normalized Energy Consumption (MMBTU)</th>
<th>Overall Energy Costs</th>
<th>Energy Use Intensity (EUI) (kBTu/sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>2,377,396</td>
<td>2,375,060</td>
<td>$59,671,135</td>
<td>193</td>
</tr>
<tr>
<td>2017</td>
<td>2,292,283</td>
<td>2,272,326</td>
<td>$57,330,297</td>
<td>190</td>
</tr>
<tr>
<td>2018</td>
<td>2,337,900</td>
<td>2,338,437</td>
<td>$56,186,934</td>
<td>180</td>
</tr>
</tbody>
</table>
Energy and Utility Data Management Report

Energy Use Intensity (EUI)

Weather-normalized Source EUI - Rec Centers

- Baseline
- Current
- National Median
- Facilities

Weather-normalized Source EUI - Fire Stations

- Baseline
- Current
- National Median
**DOE Better Building Challenge**

114 participating facilities  
4.5 million sq ft

**ENERGY PERFORMANCE**

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<table>
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<tbody>
<tr>
<td>Cumulative (vs. Baseline)</td>
<td>11%</td>
</tr>
<tr>
<td>Annual (2019)</td>
<td>4%</td>
</tr>
</tbody>
</table>
Cleveland 2030 District

- 257 facilities
- 62 million sq ft
- 56% participation in 2019
Cleveland 2030 District

Baseline EUI as of Oct 2019: 105.7
-10% target 79.4
-20% target 64.6
-35% target 52.9
-50% target 43.8

438.9 million kBtus

Office buildings
34% reduction

Data Last Updated: 10/31/19

1Includes C2030D participating properties with accurate and complete Portfolio Manager accounts and National Median EUI values. Baseline set using CBECS 2003
Cleveland 2030 District

City of Cleveland Participation
• 20 Properties
• 1,983,965 sqft