Thank you for participating in the inaugural ENERGY STAR Higher Education Benchmarking Initiative!

The HEBI was launched with the goal of providing institutions a sense of how their campus energy and water performance compares with that of peer institutions, moving beyond sector challenges to deliver actionable insights, all at no cost.

ENERGY STAR Definitions

- **Source Energy Use Intensity (EUI):** The total amount of all the raw fuel per year required to operate your property, including losses that take place during generation, transmission, and distribution of the energy, divided by the property square foot.
- **Water Use Intensity (WUI):** The total amount of water used from all water sources per year divided by the building square foot (not including parking or irrigated area).

Data Analysis and Peer Group Establishment
Participants self-reported campus-wide energy and (optionally) water consumption data for calendar year 2019 via ENERGY STAR® Portfolio Manager® and completed a separate questionnaire to provide additional campus characteristics for analysis. Metrics submitted by participants were analyzed to create peer groups based on participation distribution, industry interests, and trends in median energy and water use intensities. Portfolio Manager and questionnaire data was reviewed for potential inaccuracies, and data elements were confirmed with participants when needed to assure data quality. To avoid substantially skewed results, campuses with source EUI values below 30 kBtu/ft² and above 600 kBtu/ft² were classified as outliers for energy charts, and campuses with WUI values below 3 gal/ft² and above 175 gal/ft² were classified as outliers for water charts. Outliers were excluded when determining median values for peer groups, and are differentiated as gray patterned bars on charts.
Your Campus Information:

Institutional Control: Private not-for-profit
Carnegie Classification: Baccalaureate College
IECC Climate Zone*: Climate Zone 6: Cold

Campus Source Energy Use Intensity (kBtu/ft²): 142.6
Campus Water Use Intensity (gal/ft²): 19.1

*See the following page for more information on IECC Climate Zones

Participant Overview

Type of Campus (Public/Private)

101 Participating Institutions
187 Unique Campuses

Type of Campus (Carnegie Classification)

<table>
<thead>
<tr>
<th>Carnegie Classification</th>
<th>Carnegie Classification Subcategories</th>
<th>Subcategory Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctoral University</td>
<td>R1: Doctoral Universities- Very high research activity</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>R2: Doctoral Universities- High research activity</td>
<td>21</td>
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<tr>
<td></td>
<td>D/PU: Doctoral/Professional Universities</td>
<td>4</td>
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<tr>
<td>Master’s College or University</td>
<td>M1: Master’s Colleges and Universities- Larger programs</td>
<td>21</td>
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<td></td>
<td>Master’s Colleges or Universities</td>
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<tr>
<td>Baccalaureate College</td>
<td>Baccalaureate College</td>
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<tr>
<td>Baccalaureate/Associate’s College</td>
<td>Associate’s Dominant Institutions</td>
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<td>Associate’s College/Special Focus Institution</td>
<td>High Transfer - High Nontraditional Institutions</td>
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<td>Mixed Transfer/Career &amp; Technical-Mixed Traditional/Nontraditional</td>
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<tr>
<td></td>
<td>High Career &amp; Technical - Mixed Traditional/Nontraditional Institutions</td>
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<tr>
<td></td>
<td>Associate’s College/Special Focus Institutions</td>
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</tr>
</tbody>
</table>
*Canadian campuses are included in these figures based on extrapolated climate zone data from Green Building Advisor.

For more information on IECC Climate Zones, see the U.S. Department of Energy’s Building America Best Practice Series Volume 7.3: Guide to Determining Climate Regions by County.
In instances where any peer group within a category has 70 or more campuses, the chart displayed will include columns representing the minimum, 1st quartile, median, 3rd quartile, and maximum source EUI values within the peer group (excluding outliers), and a column indicating your campus EUI. For example, the data for the “2019 Fall Term Headcount of On-Campus Residents” category included a peer group with 22 campuses with 1-19% of residents living on-campus and another peer group with 108 campuses with 0% of residents living on-campus. Since at least one peer group in this category consisted of 70 or more campuses, the minimum/maximum/quartiles chart will appear for all peer groups within this category. All other categories in which the number of campuses within peer groups is less than 70 will receive a standard column chart with a column representing each campus within the peer group, as seen above.
Carnegie Classification

Baccalaureate Colleges

IECC Climate Zone

Climate Zone 6: Cold
2019 Fall Term Headcount of On-Campus Residents

6 / 22

Campuses With 1% to 19% of Residents Living On-Campus

Note: Institution-wide endowment figures may be allocated between one or more distinct campuses.

Endowment Size (U.S. Dollars)

6 / 28

Campuses with Endowments of $700,000,001+

Note: Institution-wide endowment figures may be allocated between one or more distinct campuses.
Central Utility Plant

10 / 77

Campuses With An On-Campus Central Utility Plant

Number of Buildings

4 / 18

Campuses With 25 to 49 Buildings
Percent Energy Intensive Floor Area

12% to 17.4% Energy Intensive Floor Area

Min: 68.7
1st Quartile: 139
Median: 163.2
3rd Quartile: 243.1
Max: 353.4
Your Campus: 142.6

Source EUI (kBtu/ft²)
**Carnegie Classification**

6 / 8

Baccalaureate Colleges

**IECC Climate Zone**

3 / 7

Climate Zone 6: Cold

Median WUI: 16.4

Median WUI: 21.2

Outlier WUI (gal/ft²)

WUI (gal/ft²)
2019 Fall Term Headcount of On-Campus Residents

Campuses With 1% to 19% of Residents Living On-Campus

Endowment Size (U.S. Dollars)

Campuses With Endowments of $700,000,001+

Note: Institution-wide endowment figures may be allocated between one or more distinct campuses.
Central Utility Plant

16 / 45

Campuses With An On-Campus Central Utility Plant

Number of Buildings

6 / 12

Campuses With 25 to 49 Buildings

Median WUI: 23.9

Median WUI: 19.1

Outlier WUI (gal/ft²)

WUI (gal/ft²)
THANK YOU!

In the next few months, keep an eye out for the following:

1) We’ll be following up with you to request your feedback on this initiative, a potential round two, and other EPA priorities such as:

   • Developing profiles of HEBI participants and helping them tout their participation
   • Making the case to higher education industry associations to administer a survey aimed at developing a 1-100 ENERGY STAR score for higher education campuses
   • Organizing a working group for colleges and universities subject to benchmarking laws and building performance standards.

2) A summary report with interesting findings from the nearly 200 participating campuses

Please reach out with any questions regarding your scorecard. Thank you!

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