

Annual PUMA Benchmarking Report



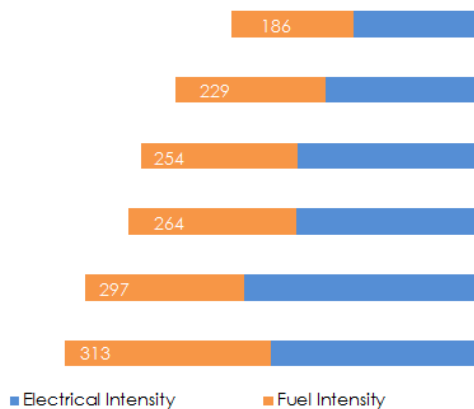
BC Advanced Education: 2015 Calendar Year

PUMA is software & services from Prism Engineering that tracks 15,000 electrical, natural gas, water, and other fuel accounts for government, commercial, and institutional customers. PUMA helps you get a grip on your utility costs.

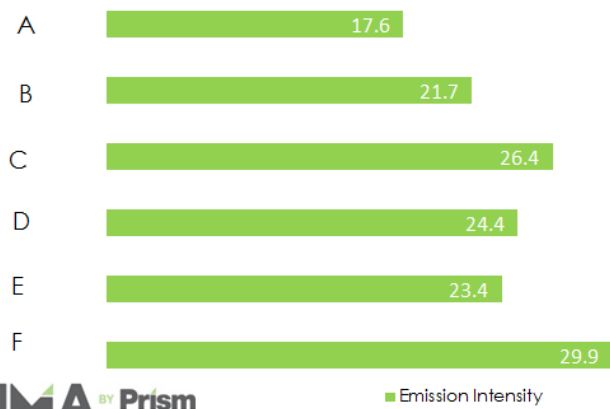
For Advanced Educational Institutions, like most building owners, a key figure is how much energy a building uses per square metre. This helps building owners & operators know how it compares to similar buildings and answer the question: **Is this building better or worse than average?**

BY INSTITUTION

Energy Intensity (ekWh/m²) for 6 Institutions
Calendar Year 2015



Emissions Intensity (kgCO₂e/m²) for 6 Institutions
Calendar Year 2015



The institutions are all in a common climactic zone so are compared directly for simplicity.

For year to year comparisons, PUMA incorporates weather data so that weather adjusted savings and weather normalized figures can be easily calculated. Contact us for more information.

The institutions included in the study are (not listed in order):

- Capilano University
- Vancouver Island University (VIU)
- University of Fraser Valley (UFV)
- Justice Institute of BC (JIBC)
- Langara College
- Vancouver Community College (VCC)



PUMA is an affordable and effective way to compare the performance of all the buildings in your portfolio, including the ability to adjust for weather.

For more information about PUMA and to schedule a free demonstration, contact Duncan Wilcock:
T: 604.205.5516 E: duncan@prismengineering.com | www.pumautilitymonitoring.com

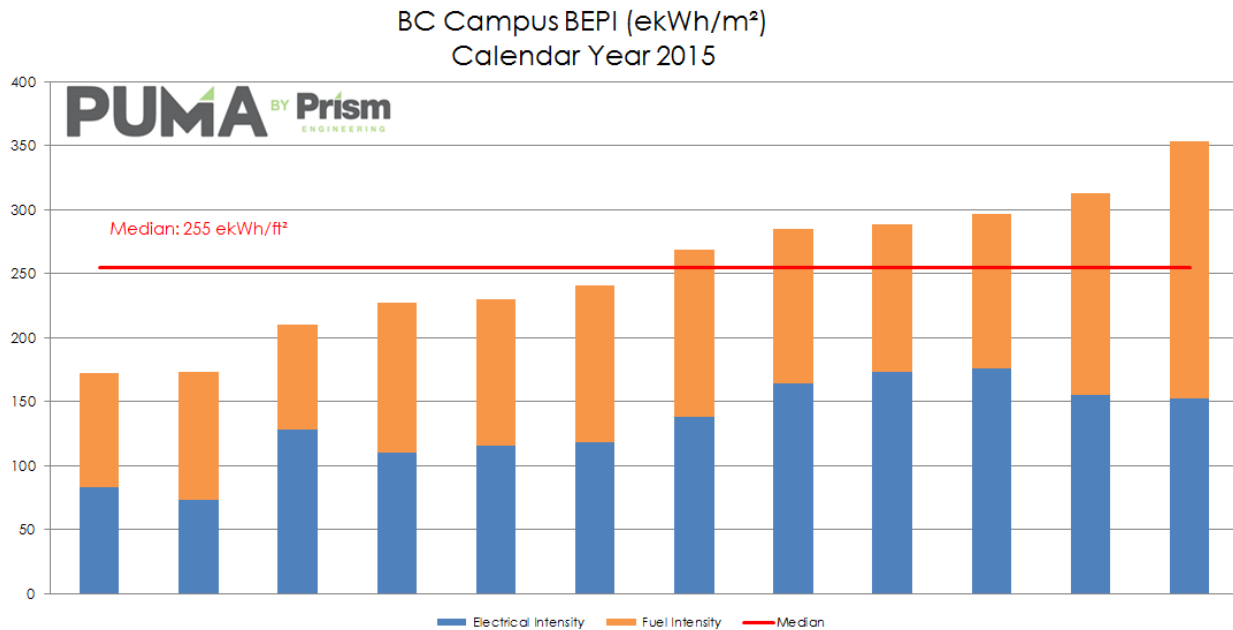
Annual PUMA Benchmarking Summary

For BC Advanced Education



Here is the overall distribution of the Energy Use Intensity of each campus and how it compares with the median.

BY CAMPUS



Convert to GJ/m² by multiplying by 0.0036

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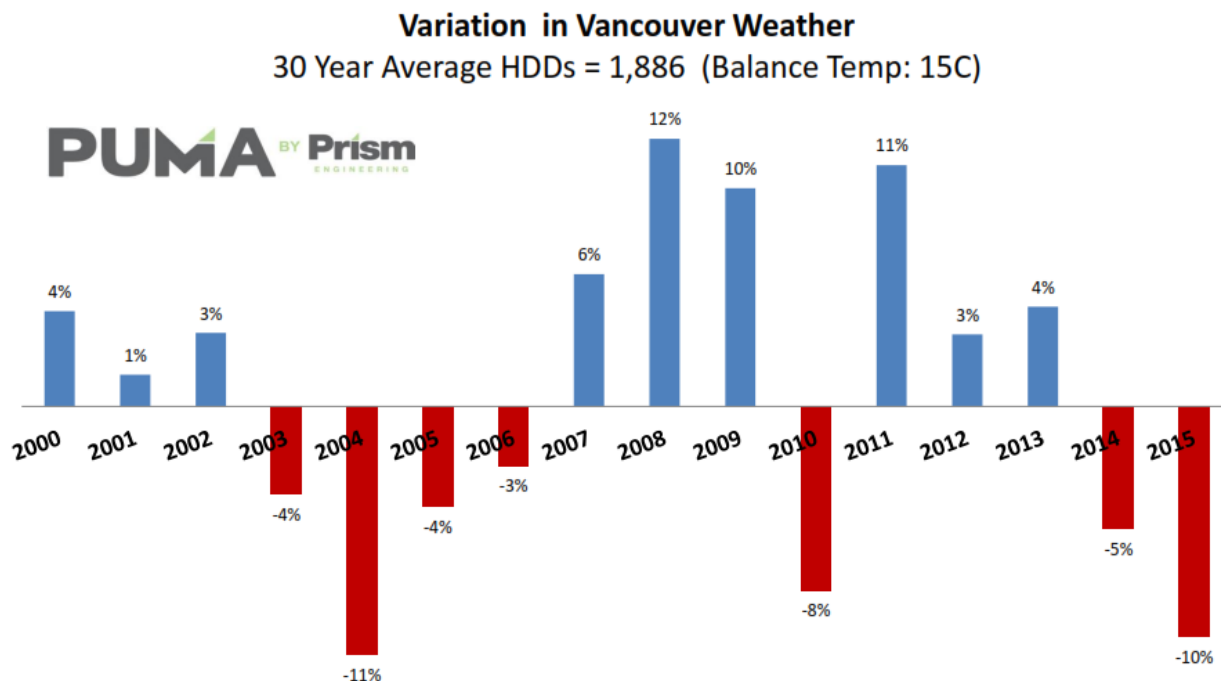


For BC Advanced Education

Comparison of 2015 with 2014 Calendar Year PUMA Benchmarks

There are significant improvements to these benchmarks in 2015 compared to 2014. Our weather variation chart shows that 2014 had 5% fewer HDDs (was warmer) than an average weather year in Vancouver, and the 2015 calendar year had 10% fewer HDDs (was warmer) than an average weather year in Vancouver.

	2014 Calendar Year Median Energy Use per m ² (EUI)	2015 Calendar Year Median Energy Use per m ² (EUI)	Change in EUI
Campus Median	292 ekWh/m²	255 ekWh/m²	-12%
HDDs Compared to Typical	-5%	-10%	



www.pumautilitymonitoring.ca

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