

# How energy and carbon intensive are your buildings?

Compare with other local governments in British Columbia

## 10th Annual PUMA Benchmarking Summary

For BC Local Governments: Calendar Year 2022



## Scope

The sites included in the benchmarks are from the following BC Local Governments that subscribed to monthly PUMA utility monitoring software and services during the calendar year 2022.





















### **About PUMA**

PUMA comprises a combination of software and services that track over 23,000 electrical, natural gas, water, and other fuel accounts for government, commercial, and institutional customers. Since launching online in 2009, more and more organizations have enlisted PUMA to help track and analyze building energy use.

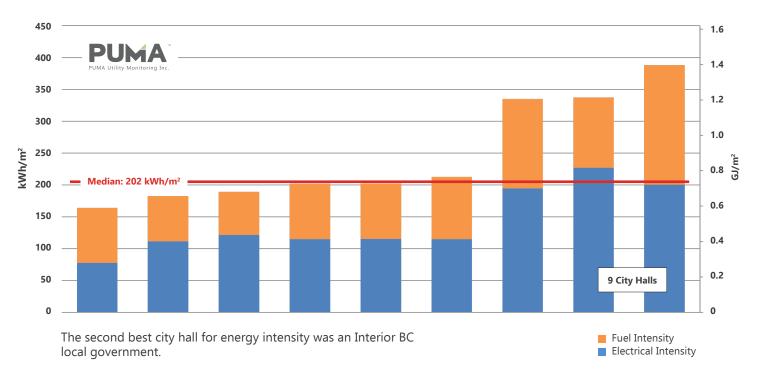
PUMA is currently used by over 20 Energy Managers, and more than 60 organizations across Canada. Our utility tracking software and services save time and money for owners of multiple properties by turning data into actionable information.

Each year the PUMA team puts together a benchmarking report for school districts, advanced education, office buildings and local governments. Based on compiled data from PUMA, this report enables the comparison of similar sites across each sector.

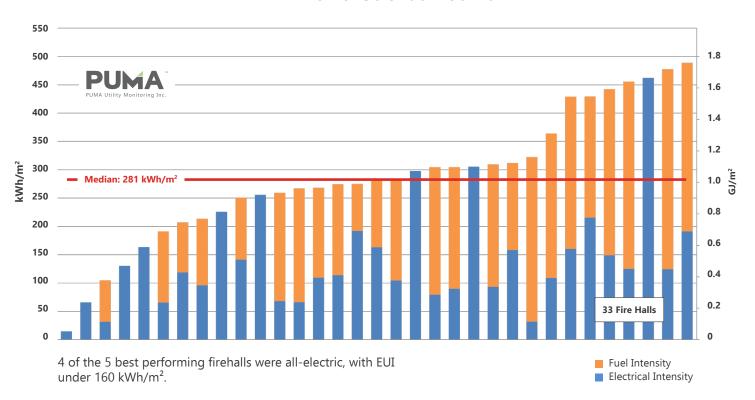
www.pumautilitymonitoring.ca

## How energy and carbon intensive are your buildings?

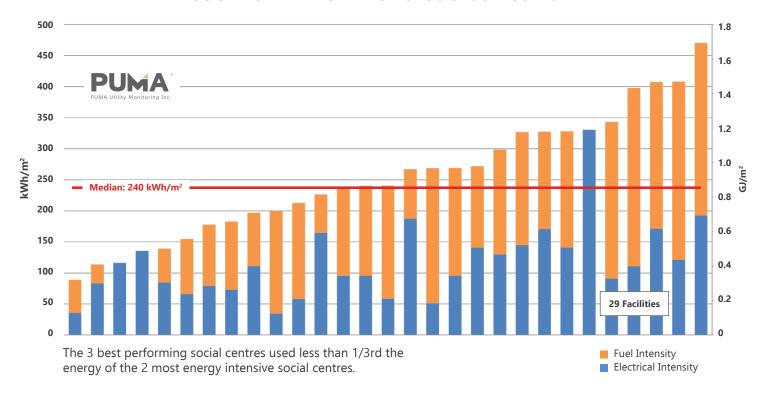
#### CITY HALLS EUI Calendar Year 2022



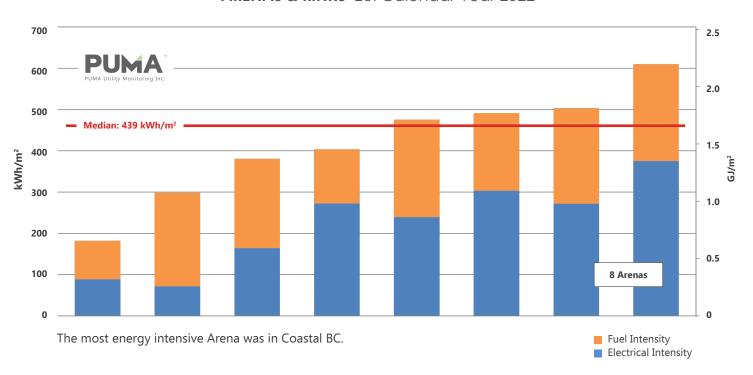
#### FIRE HALLS EUI Calendar Year 2022



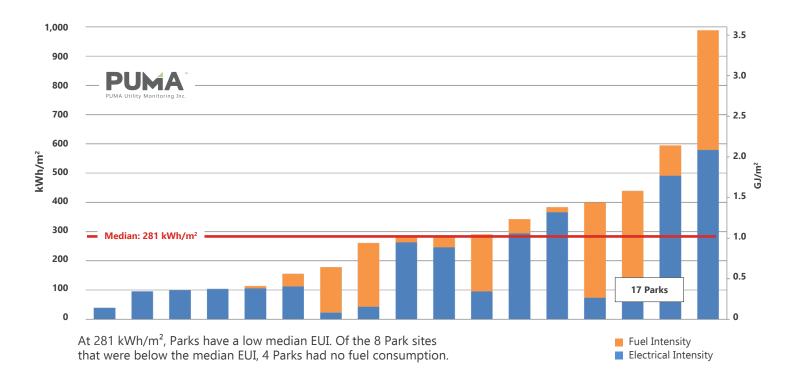
#### **SOCIAL & MEETING HALLS** EUI Calendar Year 2022



#### ARENAS & RINKS EUI Calendar Year 2022

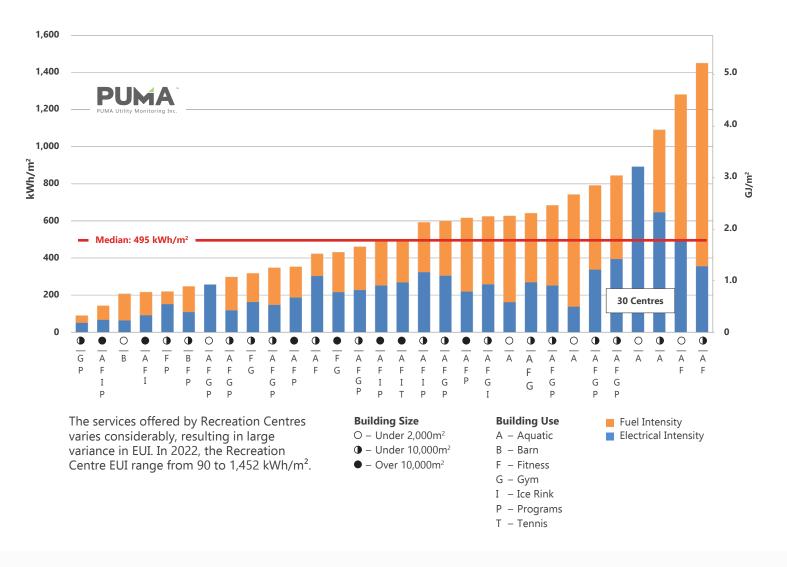


### PARKS EUI Calendar Year 2022

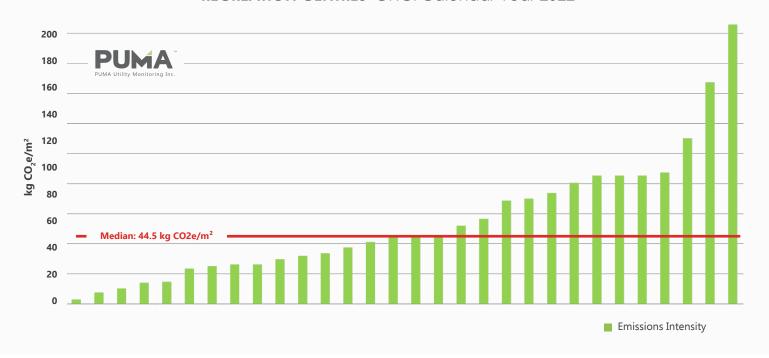




### **RECREATION CENTRES** EUI Calendar Year 2022



#### **RECREATION CENTRES** GHGi Calendar Year 2022



## **2022 Median Energy Use Intensity Summary**

Municipal Building Type	Median Energy Use Intensity (EUI)	Median Emissions Intensity (GHGi)	Sample Size
City Halls	202 kWh/m²		9 buildings
Fire Halls	281 kWh/m²		33 buildings
Social & Meeting Halls	240 kWh/m²		29 buildings
Arenas & Rinks	439 kWh/m²		8 buildings
Parks	281 kWh/m²		17 buildings
Recreation Centres	495 kWh/m²	44.5 kg CO2e/m <sup>2</sup>	30 buildings

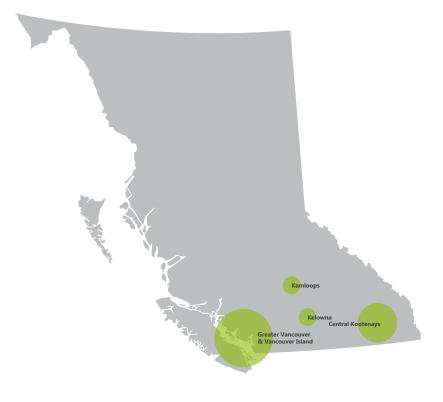
If a building uses more than the median, it could be a good candidate for energy saving opportunities. If it uses less than the median, it may be a good example of energy efficiency leadership. Looking closely at where a building fits in the distribution may be more informative in many cases.

#### **Weather Data**

The figures on the preceding pages are computed without weather or location adjustment for simplicity of comparison and are based on billed energy use.

PUMA incorporates local weather data so that weather adjusted savings and weather normalized figures can be easily calculated. Contact us for more details.





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

www.pumautilitymonitoring.ca

Contact us to schedule a free demo:

E: info@pumautilitymonitoring.ca

T: 604.298.4858



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