

ENVIRONMENTAL IMPACT OF THE MEDICAL IMAGING DEPARTMENT

5%

This is the percentage of greenhouse gas (GHG) emissions that come from the healthcare system in Canada (Eckleman et al. 2018)

854 4-person households

This is equivalent to the annual energy consumption of a **medical imaging department** (Heye et al. 2020).

POTENTIAL FOR CHANGE AT CHU SAINTE-JUSTINE

Measured energy consumption

75%

comes from equipment

67%

comes from MRI machines

Beliefs and behaviors

according to an employee survey

61%

turn off their workstations at least once a week

91%

believe that consumption of single-dose bottled contrast media increases environmental impact

TAKING ACTION



40 to 80%
potential energy savings by switching off scanners during periods of non-operation



\$433M
in annual savings if care providers adhere more strictly to guidelines for radiological examinations



93%
reduction in plastic waste thanks to the use of multi-dose contrast systems

