



ENERGY USE IN NAIT'S BUILDINGS AND FACILITIES

Even though NAIT's campuses have grown by nearly 600,000 square feet in recent years, the amount of energy we use per square foot, or our **energy intensity, has dropped by 30% below 2009 levels.**

DO YOUR PART!

Help conserve energy at NAIT by turning off the lights in unused rooms. For more information about NAIT's sustainability initiatives, visit nait.ca/greencampus.

With the completion of the Centre for Applied Technology in 2016, the Main Campus building footprint grew by more than half a million square feet. The addition of the Heavy Equipment Technology Building and the Spruce Grove Campus building further increased our total campus size by another 29,800 and 13,622 square feet, respectively.

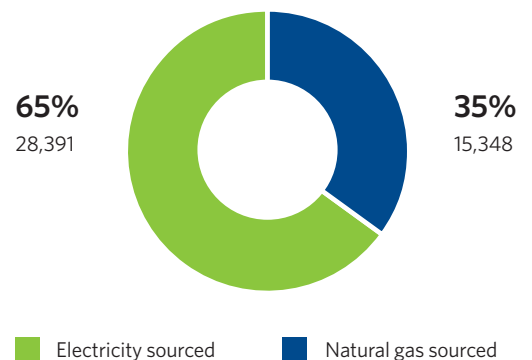
As NAIT grows, we continue to take actions to minimize the greenhouse gasses (GHGs) that our facilities contribute to the atmosphere. By adopting higher standards for energy efficiency in newer buildings, upgrading older buildings and managing the utilities in our facilities, NAIT is working towards a more sustainable campus.

NAIT'S GREENHOUSE GAS EMISSIONS

In 2017, NAIT's facilities contributed a total of 43,739 tonnes of CO₂ emissions. While that may sound large, consider that NAIT has over 3 million square feet of building area, serving the equivalent of more than 14,000 full-load students (FLE).¹

This means NAIT contributes approximately 3.1 tonnes of greenhouse gasses (GHG) per FLE, per year, while the total GHGs per capita, per year² in Canada is 20.1 tonnes.

Total equivalent tonnes of CO₂



Canada's GHGs per capita, per year
(20.1 tonnes)



NAIT's GHGs per FLE, per year
(3.1 tonnes)

¹ NAIT Annual Report 2016/2017

² Government of Canada. *Canadian Environmental Sustainability Indicators: Greenhouse Gas Emissions*



REDUCING GHG EMISSIONS

Annual reductions

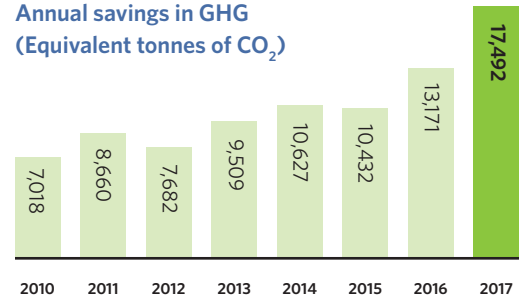
In 2017, NAIT reduced GHG emissions by **more than 17,000 tonnes** when compared to the 2009 baseline.



Baseline rate: 2009
The amount of GHG that **would have** been emitted (61,231 Tonnes)

Actual emissions: 2017
(43,739 tonnes)

Annual savings in GHG (Equivalent tonnes of CO₂)



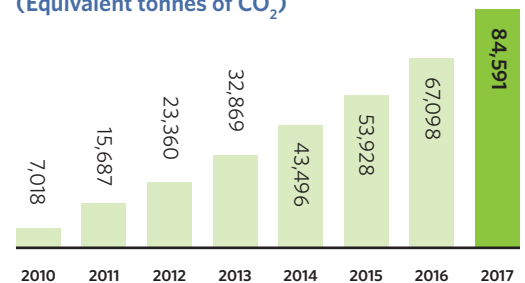
Cumulative reductions

From 2010 - 2017, NAIT **reduced** GHG emissions by a total by nearly **85,000 tonnes** when compared to the **2009 baseline**.



Cumulative reductions in GHG
(84,591 tonnes)

Cummulative savings in GHG (Equivalent tonnes of CO₂)



Did you know over 90% of lights at Main Campus have been upgraded to high efficiency T8 bulbs or LEDs, which use 25% to 30% less energy?