



ROYAL CENTRE

Environmental Sustainability Report 2021



WARRINGTON PCI





2021 Achievements

Warrington PCI Management has continued to demonstrate leadership across Canada through its reductions in energy, GHG emissions, and water, despite ongoing challenges presented by the COVID-19 pandemic.


In alignment with their focus on sustainability, Royal Centre has made a number of investments including: commencing the installation of an automated tenant electricity submetering system; performing LED lighting retrofits throughout the building; and conducting a smart building audit to direct IT infrastructure improvements that will unlock future data-driven energy and emission reductions.

In addition to the above, Royal Centre achieved a significant increase in waste diversion throughout 2021, resulting in an 89% diversion of waste from the landfill.

 **45+**
Energy conservation projects implemented at Royal Centre since 2016.

 **18%**
Improvement in waste diversion rate compared to 2016.

 **6**
Years with Smart Building Analytics and real time energy monitoring.

 Installation of a new automated office tenant electricity submetering system underway.



 **IAQ**

Installation of multi-point IAQ sensors on 6 tenant floors.

 **258**

Point reduction of ATP score, indicating a dramatic decrease in microorganisms on surfaces throughout the building.

 **97**

With a walk-score of 97, Royal Centre contributes to reduced carbon emissions as few tenants require cars.

ROYAL

In addition to continued performance improvements, Warrington PCI has maintained a focus on healthy buildings. In 2021, Warrington PCI installed multi-point IAQ sensors on 6 tenants floors at Royal Centre and a third party firm to conduct certified cleaning inspection and hygiene audits. As a result of improved cleaning practices, Royal Centre was awarded DCS Clean + Safe certification in October 2021. Quarterly hygiene audits will ensure critical hygiene cleaning standards are maintained.

2021 Certifications



LEED-EB:O&M Gold
Leader in Sustainable
Operations



BOMA BEST Gold
Leader in Sustainable
Policies & Practices



ENERGY STAR
Leader in Energy
Performance



WiredScore Platinum
Leader in Connectivity

2021 Progress to Date



\$3.4

MILLION SAVED IN
UTILITY COSTS



157

THOUSAND CUBIC METRES OF
WATER CONSERVED



31

HUNDRED TONNES OF WASTE
DIVERTED FROM LANDFILLS



35

EQUIVALENT GIGAWATT HOURS OF
ENERGY SAVED



4

THOUSAND EQUIVALENT TONNES
OF CARBON DIOXIDE AVOIDED



2

BEEHIVES OPERATING AT
ROYAL CENTRE

Savings presented are cumulative from 2016; energy, water, and carbon savings are normalized for weather, occupancy, and exceptional loads to 2021.

Savings include reductions in 2021 due to the COVID-19 pandemic and correspondingly low building occupancy in addition to savings realized due to conservation and reduction efforts.



ROYAL CENTRE

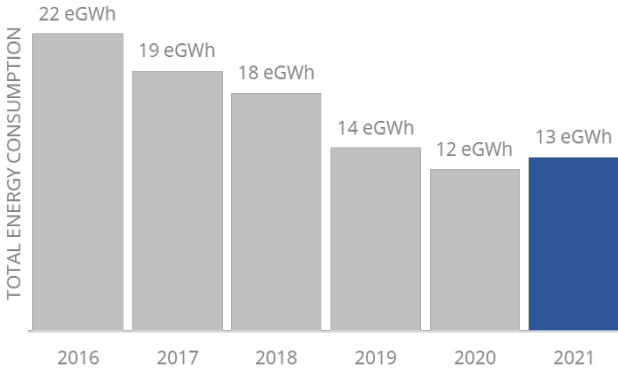
Continuous Improvement

↓ 41%

energy consumption reduction

ENERGY

Energy conservation measures, including lighting retrofits and HVAC improvements, have reduced energy by over 35 eGWh since 2016, enough to power close to 1400 Canadian households for one year.

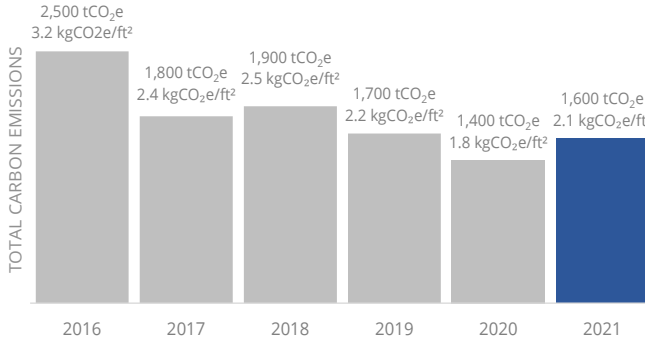


↓ 35%

equivalent CO₂ emissions reduction

CARBON

Close to 4,000 tonnes of equivalent CO₂ were avoided since 2016, which is equivalent to removing 850 passenger vehicles from the road for one year.

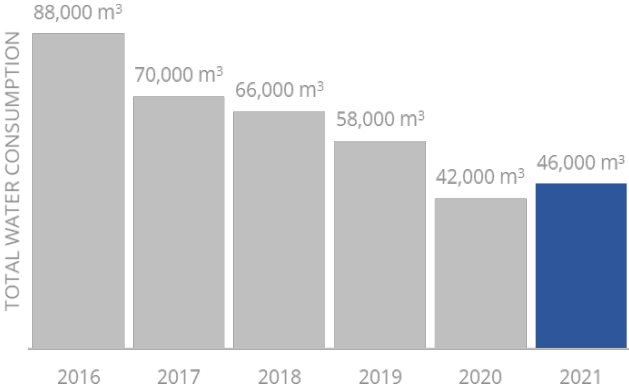


↓ 48%

water consumption reduction

WATER

Through water conservation initiatives, water consumption has been reduced by over 157,000 m³ since 2016, enough to fill 62 Olympic-sized swimming pools.

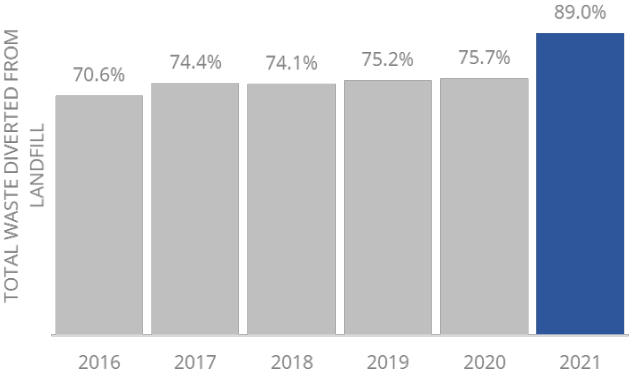


↓ 92%

reduction in waste sent to landfill

WASTE

Via a comprehensive waste diversion program, the diversion rate has improved by 18% since 2016. In 2021, over 150 tonnes of waste was diverted from landfill.



Reduction percentage figures presented are 2021 relative to 2016. Savings include reductions in 2021 due to the COVID-19 pandemic and correspondingly low building occupancy in addition to savings realized due to conservation and reduction efforts. Energy savings are normalized for weather, occupancy and exceptional use. Water savings are normalized for weather. Emissions per square foot are based on the building's Gross Floor Area