



Leading The Way

Alberta Health Services

Being part of CCLP assists in creating an accountability structure that includes the requirement of annual emission reporting.

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Executive Director,
Office of Sustainability &
Energy Management



**Alberta Health
Services**

Background

Alberta Health Services (AHS) was formed in 2008, bringing together 12 formerly separate health entities in the province to form Canada's first and largest provincewide, fully integrated health system. AHS is responsible for delivering health services to more than 4.4 million people living in Alberta, as well as some residents of Saskatchewan, B.C., and the Northwest Territories.

CLIMATE ACTION HIGHLIGHTS



Energy-Efficient Technologies

The Office of Sustainability & Energy Management have undertaken 218 projects, spending over \$30 million to reduce consumption, including LED lighting refits, BMS, HVAC and plumbing energy efficiency upgrades.



Engaging Leadership

A cross-departmental environmental sustainability team was created, tasked with overseeing corporate-wide initiatives, with leadership provided by a Clinical Chief Zone Officer.



Corporate Climate Leader since 2018



2018 Baseline Year Emissions 905,941.69 Tonnes of GHGs



Reductions to Date 42,144.69 Tonnes of GHGs



AHS' Values

"Our five values – compassion, accountability, respect, excellence and safety – are at the heart of everything that we do."



Reducing Energy and Water Consumption

Alberta Health Services



Ambitious Audit and Retrofit at the Royal Alexandra Hospital

In 2016, AHS engaged an external vendor to complete an energy and water audit, as well as undertake energy and water retrofits at the Royal Alexandra Hospital in Edmonton.

Completed in March 2020, the project included converting interior, exterior and parkade lighting to LED, installing low flush toilets, installing variable speed drives on heating pumps, implementing parkade heating ramp controls, adding insulation blankets on steam and hot water piping and valves, and upgrades to the ventilation and building management systems.

PROJECT OUTCOMES

The project resulted in energy savings of more than one million kilowatt hours per year, and more than 50,000 gigajoules of natural gas use. The water audit reduced consumption by more than 70,000 m³. In total, this reduced CO₂e emissions by 3,747 tonnes.



1,370,286 kWh/yr
in Electricity Savings*



53,814 GJ
of Natural Gas Saved*



73,947 m³
of Water Saved*



3,747 Tonnes
of GHG Emissions Reduced*

**From 2020 Project Completion*

PROJECT BENEFITS



**Climate Positive
Value Alignment**



**Reduced Costs in Utilities,
Maintenance, and Labour**



**Increased Employee and
Patient Comfort**