



ENERGY SERVICES
ASSOCIATION
OF CANADA

PROMOTING
PERFORMANCE
BASED SOLUTIONS

case study

Place du Portage Phase IV

Place du Portage Phase IV achieves major energy savings with Ameresco.

Performance-based solutions become the premier choice for energy and infrastructure renewal initiatives, resulting in fiscally and environmentally responsible outcomes.



Project Description

Ameresco was selected by Public Works and Government Services Canada (PWGSC) to implement a comprehensive energy program and facility renewal at Place du Portage Phase IV, an 895,762 ft² facility occupied predominantly by Human Resources and Skills Development Canada (HRSDC). This project is part of the Federal Building Initiative (FBI) designed by Natural Resources Canada to promote the reduction of energy and greenhouse gas emissions, and to improve facility performance.

A more detailed analysis of this project is available at:

<http://www.ameresco.com/page/case-studies-library>

Opportunity

Ameresco performed an in-depth review of the facility's systems to identify measures that could reduce energy and operating costs. Improvements included two chiller replacements, building automation system (BAS) replacement and upgrade, lighting retrofit and lighting control systems, cooling tower renewal, complete variable air volume (VAV) conversion, sub-metering and HVAC re-commissioning.

Results

The annual environmental benefit from this program sees a reduction of 9,491,400 kWh per year in electricity, 589,300 m³ per year of equivalent natural gas, and 1,200 tonnes per year of greenhouse gas emissions. The \$8.6 million project had a simple payback of 7.3 years, and took advantage of \$1.48 million in incentives from Hydro Quebec.

www.energyservicesassociation.ca

AMERESCO
Green • Clean • Sustainable 