

The Better Tomorrow Plan Case study

Environment

OUR COMMITMENTS:

- We will reduce our carbon footprint in all the countries where we operate and at clients' sites by 2020.
- We will reduce our water footprint in all the countries where we operate and at clients' sites by 2020.
- We will reduce organic and non-organic waste in all the countries where we operate and at clients' sites by 2015. We will support initiatives to recover organic and non-organic waste.
- We will source and promote sustainable equipment and supplies in all the countries where we operate by 2020.

Sodexo

at Acadia University

- Operating since 1996
- 3,200 students
- Delivers 14 facilities management services



Facilities management
provided in a LEED
certified building

CANADA

Environmental Management at ACADIA

With a matured **facilities management platform** in place, Sodexo works in partnership with Acadia to implement **innovative and cost-effective solutions aimed at saving energy & water consumption and managing waste** with a view to enhance the learning environment while maximizing the efficiency and value of the facility resources.

Creating value for our clients

- Sodexo looks to design, manage and deliver solutions that involve the use of innovative equipment and supplies, creating value and enhancing the campus environment.
- Sodexo operates and maintains the facilities so that they are conducive to a high level learning atmosphere, thus enhancing the University's image.

General context

- Located in Wolfville, Nova Scotia, Acadia University is a public institution that places a focus on personalized education for its 3,200 students.
- The condition and appearance of the campus and facilities forms an important element of the overall image and character of the University when presented to students, parents, visitors, faculty and graduates.
- Managing a highly effective facility maintenance program is becoming increasingly difficult as costs for facility operations typically increase year over year while facilities management is tasked annually to find cost efficiencies that ensure minimal impact on the university's operating budget.
- As part of the annual budget planning process, Sodexo seeks to find efficiencies that will reduce overall operating costs while having minimal impact on the overall maintenance and operation of the campus environment.

Sodexo's facilities service enhancements

Energy savings

- Sodexo provides services in a **LEED certified building** that includes geothermal cooling system, occupancy sensors, ventilation heat exchangers and sustainable cleaning practices.
- Sodexo installed a **"green" elevator**: the Kone Ecospace elevator, the first of its kind in Canada, **uses no oils or fluids and uses 60% less energy to operate**.
- Installation of **soot blowers** to the central heating plant have reduced energy use by 4%.



Sodexo piloted a prototype solar powered utility vehicle, the first of its kind in Canada



Dec. 2010 Energy Shutdown:

- Reduction of 40,760 litres of oil
- 81,538 kwh saved
- \$27,489 of savings si



More information

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- Sodexo introduced **2 electric utility vehicles** to replace the gas powered vehicles thereby creating an overall savings on gas as well as maintenance and repair costs. In addition, Sodexo piloted a prototype **solar powered utility vehicle**, the first of its kind in Canada.
- Load shedding reduced energy consumption throughout the campus leading to a \$48,000 annual savings

Water savings

- Sodexo developed a complete landscape plan for the campus including the **conversion of one acre to a low-maintenance naturalized meadow** that reduced the amount of mowing, watering and fertilizers/pesticides.
- Sodexo recommended and installed **water free urinals** on campus which saves approximately 4,000 litres of water per urinal annually.
- Sodexo installed **synthetic turf** on the athletic field to **eliminate watering and chemicals**.
- A **Microfiber cleaning system** reduces water consumption on a daily basis

Waste management

- **Bio-waste Diversion Project** – Sodexo partnered with a local farmer to purchase and haul bio-waste generated at Acadia to produce bio-diesel fuel.
- Sodexo entered into a joint venture to introduce a **waste compactor and recyclable sorting system** to reduce tipping fees, which resulted in a **71% diversion rate from landfill**.
- All in-fill for the turf is from recycled products and the sod removed was reused in other campus locations.

Sustainable Supplies

- Converted facilities paper products, cleaning products, chemical lawn fertilizers and de-icing agents to **environmentally friendly products**.

Moving forward

The Sodexo team at Acadia University worked closely with University Management, Student Affairs and the Arthur Irving Academy for the Environment to improve **reductions in energy consumption over the recent Christmas Holiday shutdown**. The joint effort began in 2008 and that year was used as a benchmark for energy savings for the month of December. The 2010 savings were a direct result of initiatives such as reducing the ambient room temperatures of unoccupied buildings, setting thermostats to 60F/16°C, emptying and unplugging refrigerators, turning off and unplugging computers and all electronic devices and closing windows, curtains, blinds.

The result was a total savings of \$27,489 for the month of December and \$70,636 since the shutdown program began in December 2008.

Award

The **Better Tomorrow Award** is a brand new award to Sodexo Canada and will be given annually to the account that best exhibits the true values of a better tomorrow. **Acadia University has been named as the inaugural winner of the Better Tomorrow Award.**