



Federated Co-operatives Limited

FCL

A Commitment to Sustainability

VISION:

Federated Co-operatives Limited will set the world standard in consumer co-operative excellence.

MISSION:

To provide responsible, innovative leadership and support to the Co-operative Retailing System for the benefit of members, employees and Canadian communities.

INTEGRITY | EXCELLENCE | RESPONSIBILITY



A JOURNEY THAT BEGAN WITH PICKING THE LOW HANGING FRUIT

THE SIMPLE STUFF FIRST



Principle focus was on compliance and
efficiency



Better Lighting Technologies

- T8 Lighting and electronic ballasts - Savings of over 40% compared to traditional fluorescent lighting.
- In 2009, LED was selected for canopy and external lighting.

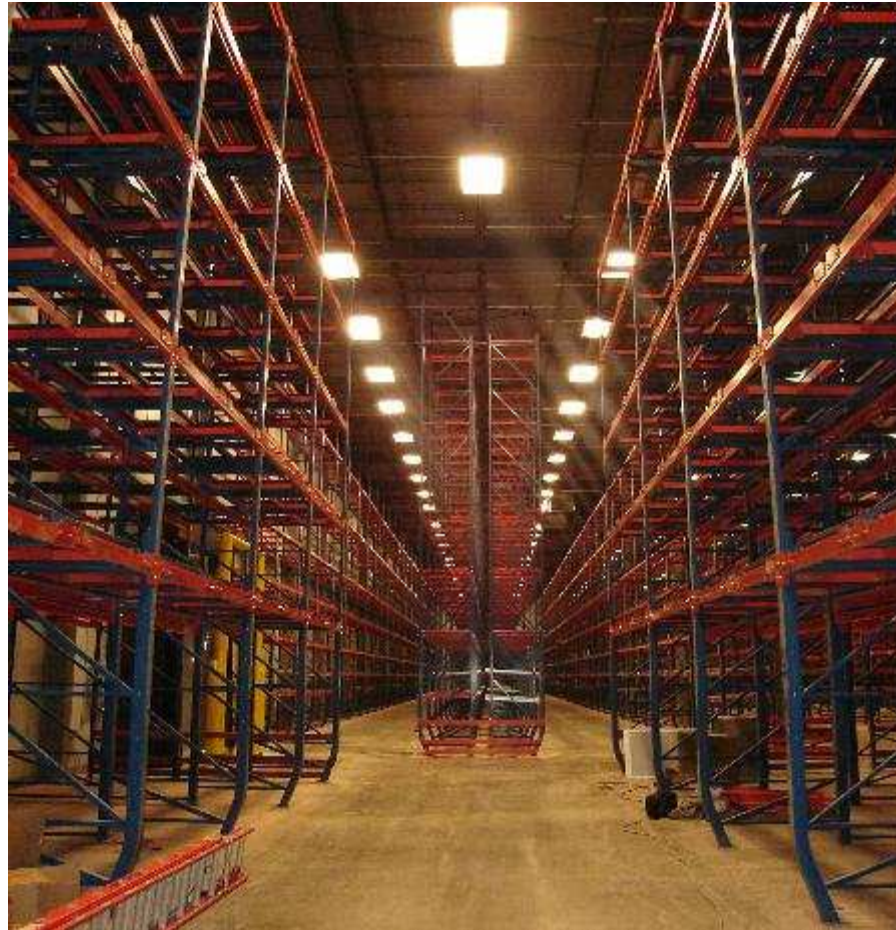


XCELLENCE | RESPONSIBILITY





T5 MOTION CONTROLLED LIGHTING





BETTER FLEET LOGISTICS



INTEGRITY | EXCELLENCE | RESPONSIBILITY



SUSTAINABLE FCL FACILITIES





SUSTAINABLE RETAIL FACILITIES

Since 1984 the Retail Facilities Group has been injecting sustainable design into retail co-op facilities. Cumulative energy savings over the past 25 years = more than \$27,000,000





Research into efficiency

- Now these fans are standard in our distribution centers



We're Willing to Try Something New



STEP FORWARD PAPER
Made with a better planet in mind.

GIVE WHEAT A CHANCE!

Revolutionary High Quality Paper
8 1/2 x 11" - 92 Bright

- 80% Tree-Free
- Made From Wheat
- Saves Trees

REDUCE YOUR FOOTPRINT,
PROTECT HABITAT,
SAVE WATER & SUPPORT FARMERS:

2 boxes saves 1 tree

Canadian
FSC



Championing Recycling and Waste Diversion

Factoids.

- Roughly 100% of all lead acid batteries that FCL sold over the past few years have been recycled
- Approximately 130,000 kilograms per year of paper (FCL H.O.)
- Over 1 million pounds of baled plastic bags and shrink wrap in past 3 years



INTEGRITY | EXCELLENCE | RESPONSIBILITY



Recognizing the Need to Lead **Stewardship Programs**

- Agricultural Plastics
 - FCL Chairs the Saskatchewan Agricultural Stewardship Council
- Consumer Product Packaging
 - FCL sits on the board of Multi-Material Stewardship Western



SUSTAINABLE CONTAMINATED SITE MANAGEMENT





COMMUNITY BENEFIT

FCL's Environmental Affairs Department Research Funding was as follows:

2007- \$482,844

2008 - \$459,252

2009 - \$952,002

2010 - \$1,000,000

2011 - \$1,000,000

FCL estimates that research expenditures for 2012 and 2013 will exceed a 1 million dollars for each year.



ACADEMIC RESEARCH PARTNERS



A few of FCL's research programs involve partnering with leading researchers from following academic institutions:

- University of Saskatchewan
- Yukon College



GOVERNMENT PARTNERS / FUNDING AGENCIES



FCL's research programs have received cash funding and funding in kind from the following agencies:

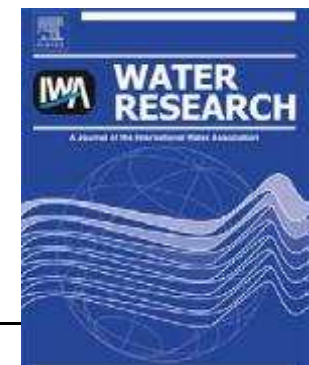
- NSERC - Natural Sciences and Engineering Research Council
- IRAP - Industrial Research Assistance Program
- CLS - Canadian Light Source



SHARING RESULTS

To ensure that others continue to build on our research many of our projects are being written up for publication, presentation at international conferences and for consideration for engineering awards.

Of particular importance, this helps communicate our success and leanings to amongst others, our regulators. This allows FCL to implement advances remediation programs with much less regulatory overhead than others.





RESEARCH LEADING TO AWARD WINS

All of the awards below were the result of SR&ED eligible research

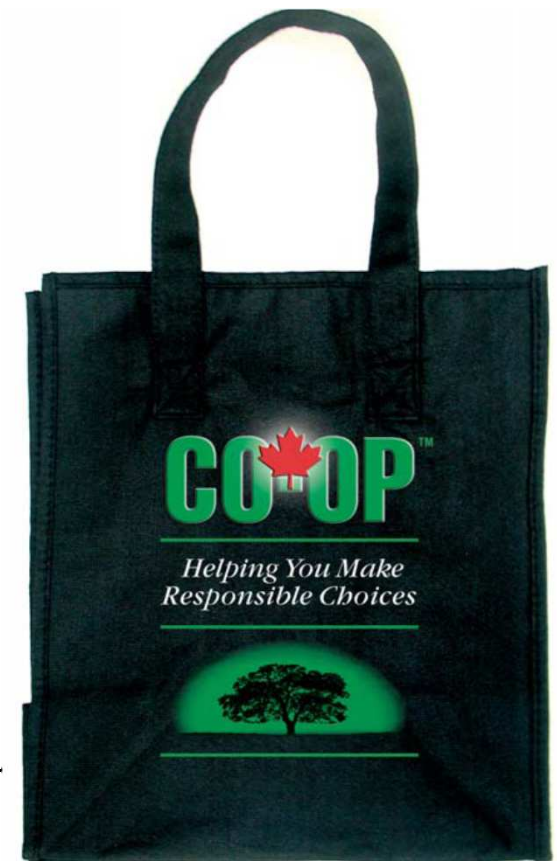
- Consulting Engineers of Saskatchewan “Award of Merit 2008”
- Consulting Engineers of Manitoba “Award of Excellence 2009”
- Association of Consulting Engineers of Canada “Tree for Life 2009”
- Consulting Engineers of Saskatchewan “Award of Excellence 2011”



Promoting Sustainable Ideas


Since its inception in 2007, hundreds of thousands of reusable shopping bags have been sold into the CRS.

Conservatively these efforts have eliminated the use of over 80,000,000 bags system wide.








RECENTLY FCL STARTED AN EXTERNAL DIALOGUE ON SUSTAINABILITY



CO-OPERATIVE News Briefs

A BI-WEEKLY ROUND-UP OF NEWS AND VIEWS FROM CANADA'S CO-OPERATIVE MOVEMENT



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CO-OP ATLANTIC SOWS SEEDS OF KNOWLEDGE

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FCL WINS SABEX AWARD FOR ENVIRONMENTAL SUSTAINABILITY

[Federated Co-operatives Limited](#), the central wholesaling, manufacturing, marketing, and administrative services provider for co-ops across Western Canada, has won the [Saskatoon Achievement in Business Excellence \(SABEX\) award](#) in the category of environmental sustainability.

The SABEX Award for Environmental Sustainability is given to a business that demonstrates a strong commitment to environmental sustainability by reducing its environmental footprint, providing innovative products/services with environmental benefits, and promoting environmental sustainability with its customers/members.

In August 2009, FCL implemented a new environmental policy with a strong focus on environmental sustainability. The policy supports the development of environmental consciousness among all of employees, and supports programs that reduce FCL's environmental footprint, while operating in a manner that is financially and socially beneficial for the long term.

The award was announced at the SABEX awards banquet on May 18.



We let our members know that
“We Care” about sustainability



**YORKTON CO-OP
PALLISER WAY CAR WASH**

- ✓ **Carwash lighting** - Yorkton Co-op's carwash uses new light fixture technology that maximizes light output and life for lower operating costs. These lights offer a 25% energy saving over conventional lighting.
- ✓ **Exterior lighting control system** - This carwash features an advanced lighting control system that controls the lighting used for the car wash building. This control system further reduces lighting related energy consumption by more than 25%.
- ✓ **Cold water reverse osmosis membranes** - This carwash features a reverse osmosis system with advanced cold water membranes to produce spot free water without the need to preheat it to 21 degrees Celsius. This reduces carwash hot water demand by 90% compared to a typical carwash.
- ✓ **Environmentally friendly detergents and waxes** - All Co-op carwash detergents and waxes are approved by Canada's Environmental Choice Program (ECP) and are Eco-Logo certified.
- ✓ **Solelite thermally translucent insulated overhead doors** - The vehicle entry and exit doors at this carwash are designed to transmit day light and solar energy as well as to retain heat by using advanced thermal translucent panels.
- ✓ **Environmental carwash sumps** - This carwash has both a primary and secondary sump system that traps any free floating fuels or oils as well as contains the sediment in the primary pit for pump out and disposal at an approved facility.
- ✓ **Efficient boiler systems** - This car wash uses a high performance, clean combustion, gas-fired boiler system for its in floor radiant heating needs. This provides the most energy efficient method of heating this type of facility. The boiler used in this facility has a US EPA Energy Star and a CSA Verified for Energy Efficiency rating.
- ✓ **Advanced energy saving wash technology** - The touchless carwash equipment used in this facility incorporates heat reclaim and water saving features that translate into a car wash that uses 25% less water and 15% less wash detergents and waxes than typical car wash equipment. Furthermore, the advanced vehicle dryer system used in this car wash reduces overall energy costs by 30%.





THE BEGINNING OF PROMOTING BETTER PRODUCTS



NEWS RELEASE

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Co-op food stores reeling in eco-friendly catch

(May 4, 2012) -- Co-op food stores have gone eco-fishing. And what they've reeled in for their customers is ocean-friendly seafood options and a new labeling system to help them make environmentally responsible choices when buying fresh and frozen seafood products.

The 165 Co-op food stores that carry fresh and frozen seafood in Western Canada are taking part in the **"Reel in the Solution!"** sustainable seafood program developed by Federated Co-operatives Limited (FCL) in partnership with SeaChoice, a consortium of five nationally respected Canadian conservation organizations that undertake scientific assessment of the environmental sustainability of wild fisheries and aquaculture products.



COLLABORATIVE APPROACH TO SUSTAINABILITY



INTERNAL
GOVERNMENT
ACADEMIA
INDUSTRY ASSOCIATIONS
COMPETITORS



MEANINGFUL MEASUREMENTS

- Identify and manage key performance indicators
- Establish benchmarks
- Integrate into business systems





GOALS

- We will work with FCL's business units to set goals
 - Understand the challenges
 - Track and communicate progress





ENHANCED REPORTING FOR STAKEHOLDERS

- A Social Responsibility Report will be completed for our stakeholders in 2013.
 - Triple bottom line reporting
 - Opportunity to highlight FCL's social responsibility and sustainability initiatives





SUSTAINABILITY IN BUSINESS STRATEGY

- Organization wide responsibility
- Forward-looking
- Partnerships
- Innovation

