

GeneratingNews

A Community Update from the Holyrood Generating Station

Newfoundland and Labrador Hydro

January 2010

A Focus on Safety

In December, Hydro launched a new safety campaign called Back it Up. Back it Up is designed to give people important information they need to make safer decisions at work and at home. The concept is based on Hydro's policy to reverse into parking spots at all its locations, an action which all Hydro and Nalcor Energy employees embrace. "Backing in is a small safety act, but for Hydro, safety is as big as it gets," said **Jim Haynes**, Hydro's Vice President of Regulated Operations. "We believe that small steps can make a big difference in keeping you and your family safe. We challenge everyone to take the time to step back and make every situation safe." For more information visit HydroSafety.ca.



Community Liaison Committee (CLC)

As members of your community and representatives of government agencies, CLC members can help bring forward your comments and concerns on environmental or other issues relating to the operation of the Holyrood plant. The current CLC members are:

Gus Hawco Councillor, Town of Holyrood
ghawco@townofholyrood.com

George Penney Councillor, Town of Holyrood, george.penney@newdock.nf.ca

Kirk Youden Councillor, Town of CBS, kyouden@conceptionbaysouth.ca

Tracy Walzthoni Community Member, CBS, tracy.walzthoni@alc.ca

Calvin Morgan Department of Health & Community Services and Eastern Region Health Authority, calvin.morgan@easternhealth.ca

Dexter Pitman Department of Environment and Conservation, dpitman@gov.nl.ca

Terry LeDrew Holyrood plant, tledrew@nlh.nl.ca

Cindy Morgan Holyrood plant, cmorgan@nlh.nl.ca

Mike Manuel Holyrood plant, michaelmanuel@nlh.nl.ca

Contact Us

Terry LeDrew, Plant Manager
tledrew@nlh.nl.ca or 229-2110

Karen O'Neill, Community Relations
koneill@nalcorenergy.com or 737-1427

Contact our Community Line 24 hours a day, seven days a week at 229-7441.

Holyrood Plant Switches to Cleaner Fuel



Since March 2009, 0.7% sulphur fuel has been filling these tanks.

In March 2009, Hydro switched to a cleaner fuel at the Holyrood Generating Station. The move will further reduce emissions from the plant and assist Hydro in meeting environmental compliance requirements.

"We've heard the concerns of the community, and are continually working to ensure we meet environmental compliance requirements in our operations," said **Jim Haynes**, Hydro's Vice President of Regulated Operations. "The switch to a cleaner fuel will bring the facility into compliance with air emission regulations, which is important to Hydro and all our stakeholders."

In March 2006, Hydro switched from 2% to 1% sulphur fuel at the plant resulting in a 50% reduction in sulphur dioxide and particulate emission rates. Hydro has now switched to an even cleaner fuel with 0.7% sulphur content, which will further reduce emissions by 30%.

"Since Hydro switched to a cleaner fuel in 2006, there has been a continual improvement and reduction in emissions, opacity and the number of soot blowing excursions," said **Terry LeDrew**, Holyrood Plant Manager. "We'll continue to closely monitor emissions to ensure that the cleaner fuel is meeting our expectations and environmental compliance requirements."

The energy generated at the Holyrood plant is vital to the Island electricity system producing on average between 15 and 25% of the island's requirements. Without the generation at Holyrood or some other source, it would be impossible to keep the lights on!

Holyrood Generating Station Receives National Safety Award

Safety is the number one priority for Hydro employees, and dedication to safety is clearly demonstrated at the Holyrood Generating Station. In August, employees in Holyrood were awarded the Eastern Canadian Boilermaker's Award in the owner category for the Safe Workplace Observation Program (SWOP).

SWOP is a corporate safety initiative, which encourages reporting and fixing safety-related observations to make the workplace safer and prevent major incidents. The program has facilitated essential safety dialogue at every level of the company.

Terry LeDrew, Manager of the Holyrood plant, attended the sixth annual Boilermaker Eastern Canadian Tripartite Conference in Ontario where he presented to the group on SWOP and Holyrood's participation in the program. He also acknowledged the support and nomination by Alstom Power, a primary contractor of boilermakers at the plant.

The Tripartite goal is to better align owners, contractors and boilermakers such that all parties are working together and share a common objective of delivering top-quality work, on budget and on schedule with world-class safety and environmental performance.

President and CEO of Hydro's parent company, Nalcor Energy, **Ed Martin** offered his congratulations to Holyrood employees, "They exemplify the importance and value of safety in our company," he said. "The plant has over one million hours of work without a lost-time incident - a significant accomplishment."



L-R Jason McInnis, Boilermaker National Director Health and Safety; Ed Power, International VP - Eastern Canada; Terry LeDrew, Plant Manager, Holyrood; and Kent Oliver, International Representative and Director of Eastern Canadian Tripartite.

Over \$6300 Raised for CBS Food Bank

Giving back to communities in Newfoundland and Labrador is a priority for Hydro and we support organizations in the communities where we operate and where our employees work and live. During the CBS Christmas parade on Saturday, December 12, volunteers from the Holyrood plant and CBS Kinsmen collected \$3500 worth of food and \$1845 in aid of the CBS Food Bank. Hydro's Community Investment Program made an additional donation of \$1000.



L-R: Gerry Hynes, CBS Food Bank; Don Butler, CBS Kinsmen; Herb Butler, Holyrood Generating Station and Grandson Cameron Petten; Dave Stone, CBS Kinsmen; and Wayne Fitzpatrick, CBS Kinsmen.

Wind—a New Source of Energy for Newfoundland

Wind is a valuable energy source and Hydro has developed a strategy to leverage this source of clean, renewable energy. Hydro has agreements to purchase energy from two wind development projects on the island – one 27 megawatt (MW) wind project in St. Lawrence and a 27 MW project in Fermeuse. On average, when compared to the cost of burning oil at the Holyrood Generating Station, these two wind projects will save consumers up to eight million dollars annually over the 20-year life of the contracts.

The St. Lawrence wind farm on the Burin Peninsula began producing wind power to the island electricity grid in October 2008. The Fermeuse wind farm on the Southern Shore of the Avalon Peninsula began producing wind energy in April 2009. Both wind farms consist of nine Vestas V90, 3 MW turbines.

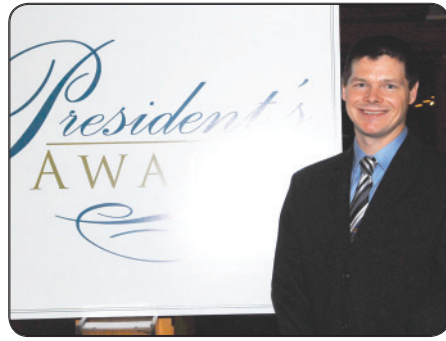
In the past 12 months, these two wind farms have produced 120,388 megawatt hours of energy combined. That's equivalent to burning 191,093 barrels of oil at the Holyrood plant and reducing greenhouse gas emissions by approximately 95,546 tonnes.



Fermeuse wind farm.

Holyrood Employees Recognized by Peers

On November 5, 2009, Nalcor Energy recognized some of its best employees as the President's Award winners were announced. Two employees from the Holyrood plant were among those honoured. The President's Awards are presented to individuals who are leaders in living and supporting the company's goals of Safety, Environment, Corporate Citizenship, Business Excellence and People.



Jason Simms – Safety Award Recipient

Jason began his career with Hydro as an environmental co-op student and has continued working at the Holyrood plant as a Chemical Technologist for 11 years. Jason is also a volunteer with the facility's Emergency Response Team. His contributions to emergency response have improved the overall performance of the team and the company. Jason's contributions have ensured the future success and effectiveness of the emergency response organization at the Holyrood Plant, further enhancing the safety and security of Hydro's employees.



Paul Woodford – People Award Recipient

Paul began working with Hydro as a co-op student. After graduation, Paul returned to the company in 1986 as a Mechanical Design Engineer and in 2006 moved to the Holyrood plant as Project and Quality Assurance Engineer. Paul manages and leads through his professional behavior, organizational skills, and thorough knowledge of corporate procedures and history. He not only works well as a team member, but can be counted on to guide and lead a team to ensure it functions effectively. His people skills enable him to act as arbitrator, coordinator, and conciliator between consultants, contractors, plant personnel and project team members.

takeCHARGE Celebrates its First Birthday

On November 13, 2009, takeCHARGE turned one. In 2008, Hydro and Newfoundland Power launched a new energy efficiency partnership and brand, takeCHARGE – Saving Energy Starts Here! This program provides Newfoundlanders and Labradorians with rebates, information and tools to assist them in using energy wisely.

It's been a busy and exciting year for takeCHARGE. The most significant initiative is the launch of the Energy Savers Rebate Programs in June. "Energy Savers rebates reflect our continued commitment to electricity consumers to help them save energy, save money and help the environment," said **Simone Browne**, Hydro's Energy Efficiency Manager. "These new rebate programs provide customers with money back when they make wise energy choices in their homes when it comes to insulation, thermostats and ENERGY STAR® windows."

Over the past 10 years, the demand for electricity in the province has increased by more than 550 gigawatt hours - this is like supplying electricity to an additional 20,000 electrically-heated homes. In Newfoundland, most of this increased demand has to be met by burning oil and diesel which can increase emissions and operating costs. By conserving energy, greenhouse gases and other emissions associated with thermal and diesel generation can be reduced.

The goal of takeCHARGE is to save about 70 gigawatt hours of energy annually by 2013, thereby reducing future energy requirements on the provincial electricity system.

Check out the takeCHARGE website at takechargenl.ca for tips, videos and rebate programs that will help you save energy and money.



Spotlight on Mike Manuel



Mike Manuel joined Hydro in March 2009 as the Asset Manager – Thermal Generation. Mike graduated with a Bachelor of Science (Chemistry) from Memorial University in 1992. Between 1995 and 2009, Mike worked at North Atlantic Refining. During his tenure Mike held positions as a petroleum technician, laboratory supervisor, manager of fuel production and shipping and also held the role of Lead Production Planner responsible for refinery optimization, long-term planning and economic analysis. During his time with North Atlantic, Mike was also a member of the emergency response crew.

As Asset Manager - Thermal Generation, Mike monitors the effectiveness of the maintenance and performance of equipment at the plant; develops maintenance tactics and investigates all equipment problems.

"I'm excited about working with Hydro," said Mike. "I look forward to coming to work everyday and working with a dedicated team of employees at the Holyrood plant." Got a question for Mike? Contact him at michaelmanuel@nlh.nl.ca or 229-2114.