

# Commercial Lighting Retrofit Program

This Program assists Hydro One Remote Communities upgrade inefficient lighting systems to energy efficient LED (light-emitting diode) type lights in existing band-owned commercial buildings such as the arena, school, band office, hotel, restaurant, community centre and more.

Changing over to energy LED lights saves the community thousands of dollars in operating costs annually, and saves Hydro One Remotes the fuel costs associated with generating power used to power those buildings.

Upgrading inefficient lighting also contributes to the reduction of greenhouse gas emissions within your community.

## How this program works:

Hydro One Remotes and your community will discuss what buildings you would like to retrofit, what equipment will be purchased, what work will be done, and calculate a rebate amount (money back) that Hydro One Remotes will pay your community once the work is completed. Hydro One Remotes will pay for a percentage of the cost of the replacement light fixtures and lamps (100% of the cost for non-Standard A, and 50% for Standard A buildings), and will also remove and responsibly dispose of the old lamps, avoiding any environmental risks that might be associated with discarding the old lamps in the community landfill.

## How to apply:

If you are interested in learning more, please contact Gail Murray, the Community Relations & Customer Program Coordinator at 1-807-474-2832 or email [gail.murray@hydroone.com](mailto:gail.murray@hydroone.com). Projects will be evaluated on a case-by-case basis, and the number and quantity of awarded work will depend on the availability of Hydro One Remotes' budget on a year to year basis. Working with your tribal council can also be a help in moving your project forward.



Figure 1 – New LED lights installed in a Kingfisher Lake First Nation building through the Commercial Lighting Program



Figure 2 - LED wallpack installed above a door

## STEPS:

- 1. Identify a point person in your community to work closely with Hydro One Remotes** on this project for planning and coordinating the work.
- 2. Identify an electrician/consultant** to work with you on the project and provide a brief description of their qualifications. *Note that your community is responsible for all costs associated with hiring an electrician/consultant.*
- 3. Identify the band owned buildings where you want to update the lighting.** Put together a list of the account numbers and/or the meter numbers (*J number on each meter outside*) for each of the buildings and email this information to Hydro One Remotes. We will use this list to figure out the current energy consumption for each of the buildings.
- 4. Have your Chief sign a permission form** allowing Hydro One Remotes to share energy consumption history with your chosen electrician/consultant.
- 5. Have your electrician/consultant** identify all existing light fixtures, lamp sizes and wattages within each of the buildings you want to upgrade. Then have them identify the needed lighting upgrades to make the building more energy efficient. Provide this information in a spreadsheet that lists each building, and the type, wattage and number of new lights and fixtures that will be needed. Email this spreadsheet to Hydro One Remotes.
- 6. Also work with your electrician/consultant to put together an estimate of lighting usage in the building(s)** based on a daily, monthly or yearly basis. For example, 8 hours /day 5 days a week for 52 weeks of the year. Some sections of the building may be used more than others so be sure to mention which areas. List how many years are left in the lifespan of each building (*we don't want to retrofit buildings that are planned to be torn down soon*). Email this information to Hydro One Remotes.
- 7. Hydro One Remotes will take all of the information, determine which buildings are eligible for the Commercial Lighting Program, and a Commercial Lighting Retrofit Agreement** will be emailed to your community point person detailing the terms of the agreement and the amount of the rebate (money back) once the project is completed. **Have leadership sign this agreement**, and scan and email back to Remotes.
- 8. Once the Agreement is signed and returned, your community has 12 months to complete the retrofits.** Note that your Community is responsible for paying the cost and installation of the lighting products, and any additional costs such as wiring and electrician fees and travel costs
- 9. ESA (Electrical Safety Authority) Involvement:** All work completed must follow the ESA Electrical Safety standards and process ([www.esasafe.com](http://www.esasafe.com) has information on the electrical permitting process). Email the final ESA inspection of your new light fixtures to Remotes.
- 10. Once all of the terms of the Agreement are met, Remotes issues your community a rebate cheque!**