

Smart Off-Grid Customer Snapshot: *City of Mississauga, Ontario*

12 Illumient solar-powered street lights have been installed in Duncairn Downs Park, located in the Erin Mills Community in the City of Mississauga. The project was initiated to support the Green Pillar of the City's Strategic Plan, which aims to reduce greenhouse gas emissions and operating costs.

A successful financial and green benefit, measured by its ability to meet these goals, will pave the way for a wider rollout of similar technologies in many areas across the City and may include the powering of Internet of Things devices on the same poles, as part of the City's Smart City initiative.

Clear Blue's Smart Off-Grid remote management, monitoring and control with predictive weather analysis and integrated motion sensors offers an unprecedented level of flexibility and control over the operation of lighting systems. This allows for active management of the lights by City personnel with Clear Blue providing oversight and guidance.

Illumient lighting systems include a light pole, LED street light, solar panel, battery, smart controller, an integrated wireless communications network, and the Illumience cloud-based power management software. Motion sensors on the light poles, the Illumience predictive weather analysis capabilities, and the ability to change lighting profiles online are used to preserve battery power and ensure lighting service in all seasons of the year, while reducing maintenance and installation costs by up to 80 percent.

"We are pleased that the City of Mississauga chose our Smart Off-Grid Illumient lighting systems for this installation," said Miriam Tuerk, CEO and co-founder of Clear Blue. "We are also glad to support City personnel as they utilize our Illumience management system to remotely control and manage the lights. With the long winter nights and short daylight hours in wintertime in Ontario, Smart Off-Grid is the critical factor in ensuring the lights come on as needed regardless of the time of year or climate."

