

Condominium Management Group (CMG)

700 Sussex Condominium Residences



“From the early planning days, through the installation, we had a great experience with Lightenco. They kept on schedule throughout the project and the final product looked clean and well installed. Of particular note, the post installation support has been great as well. We've had the ability to reach out when needed for information or assistance. Our experience with Lightenco was resoundingly positive and we would certainly recommend them to other properties who were looking to install an EV charging system.” – Melody Brown, Condominium Property Manager, CMG



With a focus on enhancing the convenience and sustainability of their property, 700 Sussex Condominium Residences recognized the growing demand for electric vehicle (EV) charging infrastructure. Condominium Management Group (CMG) engaged Lightenco-Chargenco to lead a comprehensive EV charger installation project in December 2022 to meet their residents' needs and future-proof their parking facilities. The collaboration aimed to support the property's

transition towards a more sustainable future while accommodating the increasing number of EV owners among residents.

The Issue:

As electric vehicles gained popularity, 700 Sussex needed to upgrade their parking garage to make it EV-friendly. This meant installing EV chargers and ensuring the infrastructure was in place to support future expansion. The primary objective was to provide residents with reliable access to EV charging while enabling the property to scale up as demand increased.

The Solution:

Lightenco-Chargenco's turnkey solutions included the installation of 24 FLO EV chargers and the setup of electrical infrastructure to accommodate up to 85 additional chargers in the future. The project was strategically planned to ensure minimal disruption to residents, including a carefully coordinated midnight power shutdown to connect to the building's main electrical system. The installation process involved multiple site visits, consultations with engineers, and collaboration with Hydro Ottawa to ensure seamless integration with the building's existing infrastructure.

Scope of Work and Challenges:

The project posed several logistical challenges that required careful planning and coordination:



- **Midnight Power Shutdown:** A full building power shutdown was coordinated with Hydro Ottawa from 12:00 AM to 5:00 AM to connect the new infrastructure to the building's electrical system, minimizing disruption to residents.
- **Heavy Equipment Installation:** The delivery and installation of two 150KVA transformers, each weighing 950 lbs, required precise handling and coordination.
- **Networking and Commissioning:** The team ran approximately 1,000 feet of CAT5 cables to six gateways that needed to be in line of sight of the chargers. Multiple site visits were required to commission the chargers, including power cycling them to ensure proper connection to the FLO network.

“We worked closely with CMG to install 24 EV chargers and set up the infrastructure for 85 additional units. The project included a carefully planned midnight power shutdown to tie into the building's electrical system. By collaborating with site staff, we identified and addressed key challenges, ensuring everything was executed smoothly and efficiently from start to finish. We also worked with FLO to ensure all chargers were properly commissioned and connected to their network.” – Uche Anya, Operations Manager, Lightenco-Chargenco

End Results and Success:

The EV charging infrastructure project at 700 Sussex was a resounding success. The installation of 24 chargers, coupled with the infrastructure for future expansion, has made the parking garage fully EV-friendly, meeting the current and anticipated needs of residents. The seamless execution of the project, with no complaints from residents, highlights Lightenco-Chargenco's commitment to quality and customer satisfaction. Through meticulous planning, effective communication, and a commitment to excellence, Lightenco-Chargenco successfully delivered a project that not only meets the needs of today's residents, but also positions 700 Sussex Condominium Residences for future growth in the EV market.

