Providing an adequate supply of safe, reasonably-priced parking in downtown Buffalo is the mission of the City of Buffalo – Parking Ramps operated by Buffalo Civic Auto Ramps, a non-profit organization that manages more than 8,200 parking spaces and seven parking structures.

Always on the lookout to reduce energy costs and operating expenses, BCAR chose to upgrade lighting to cost-efficient LEDs with the help of National Grid. This project was the first in Western New York completed under a Utility Energy Service Contract (UESC) which offers public entities including federal, state and local municipalities an effective means to implement energy-efficiency, renewable energy, and water-efficiency projects.

**Energy Efficiency Solutions**

- National Grid partnered with Lime Energy to provide analysis design and installation for the project
- National Grid provided financial incentives to enable BCAR and the city of Buffalo to save money on energy costs

**Installed:**

- 850 Lights and fixtures replaced with high energy efficient LED lights
- 21% Reduction in energy consumption

**Why Choose LED lighting?**

Discover these and other benefits of LED lighting:

- Better light leads to enhanced safety for drivers and pedestrians
- Significantly longer life span
- Reduced maintenance costs
- Lower environmental footprint — No mercury, lead or other known disposable hazards
- In exterior applications — Improved night visibility due to general light output, uniformity and higher color temperature (more vibrant white light)

**The result:**

- **Annual kWh saved**: 1,011,740 kWh
- **Annual $ saved**: $61,401
- **Project Cost**: $379,135
- **Total Incentives**: $162,380
- **CO₂ saved**: 1,112,913

“National Grid has been a great partner from start to finish — from the initial effort to verify existing fixtures to preparing a financial analysis and grant amount to completing the project. The entire experience was easy to understand and seamless and the project yielded great results.”

- Sam Iraci, Executive Director BCAR

**Strategic Partner**

Lime Energy