

A graphic illustration of a smart city. The background is a night city skyline with various skyscrapers. Overlaid on this is a network of glowing blue nodes connected by thin white lines. The nodes include icons for a smartphone, a Wi-Fi signal, a person, a cloud, and a server. A semi-transparent grey banner is positioned across the middle of the image.

SMART CITIES

the acceleration of smart city projects



Smart lighting Benefits

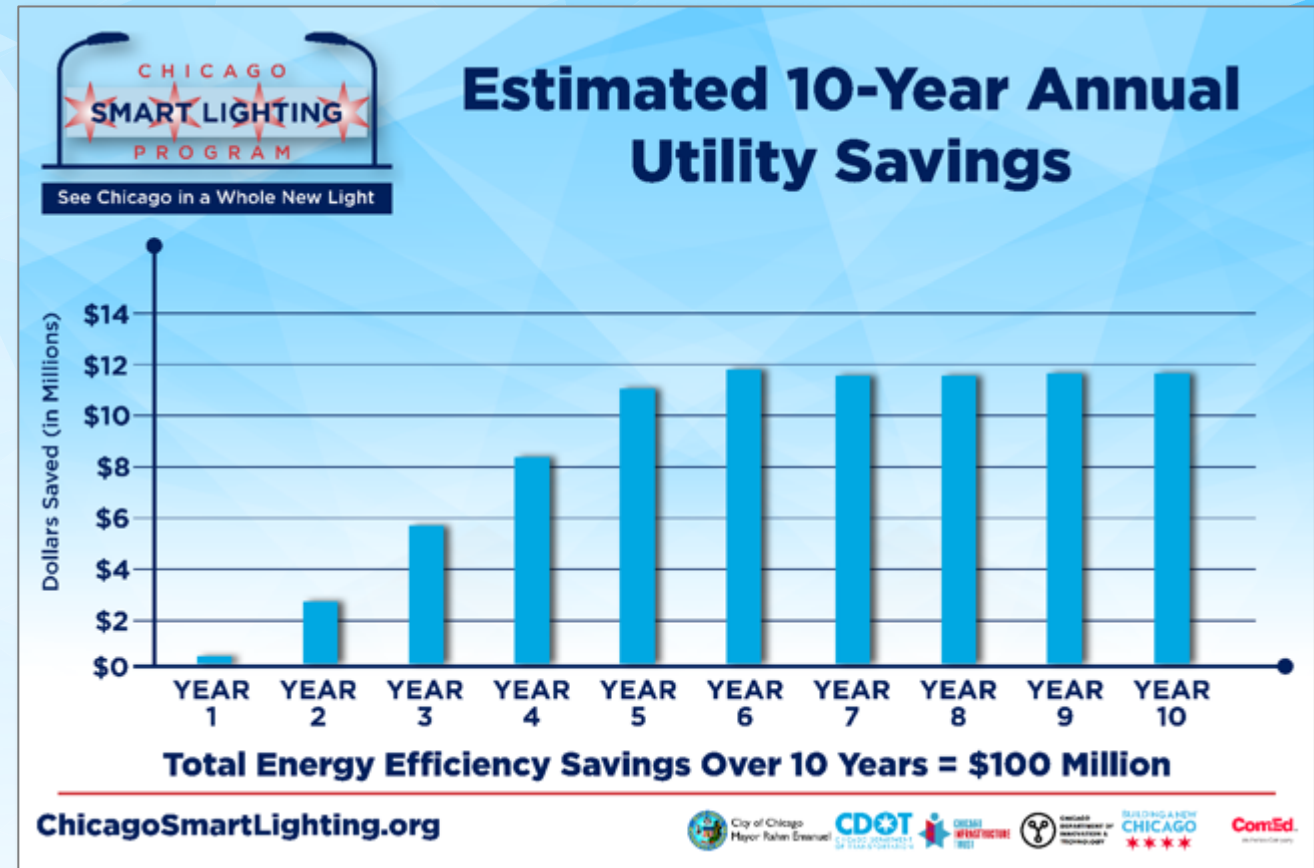


- ★ New LED lights last 2-3 times longer than existing HPS lights
- ★ New light fixtures will be connected to a new lighting management system
- ★ When complete, the City will automatically know when a new LED light needs service
- ★ Reduces need to contact 311 when a streetlight is not working
- ★ Targeted repairs for the replacement of poles and wiring to extend useful life of infrastructure



Save Energy

- ★ LEDs consume 50% less electricity than the existing High Pressure Sodium lights
- ★ As of June 2019, the program has saved over 70 million kilowatt hours, equal to \$3.4 million
- ★ Estimated to save the City **\$10 million** a year in electricity utility costs when fully implemented

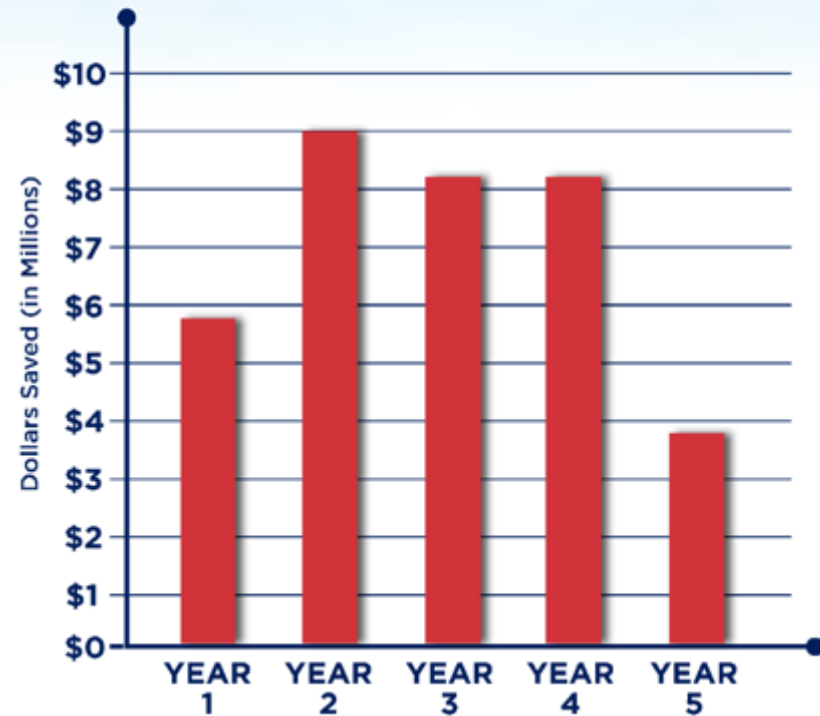


Energy Rebate



- ★ City will earn ComEd rebates that subsidize the cost of conversion
- ★ As of June 2019, City has received over **\$13.4 million** in incentive rebates
- ★ Additional **\$11 million** in rebate funding has been reserved for current phase(s)
- ★ Rebates are projected to total **\$35 million** over conversion period

Anticipated ComEd Energy Efficiency Rebates



Utilize Local Workforce



| Workforce Category | Contract Goal | Status |
|---------------------------------|---------------|--------|
| MBE | 26% | 39% |
| WBE | 6% | 6% |
| Chicago Resident | 50% | 63% |
| Socioeconomically Disadvantaged | 10% | 35% |
| Minority Journeyworkers | 25% | 29% |
| Minority Apprentices | 25% | 58% |
| Female Journeyworkers | 7% | 20% |
| Female Apprentices | 25% | 35% |

Minority-owned Business Enterprise (MBE) Subcontractors

Anchor Staffing, Inc. (Chicago)

City Lights Ltd.

DSR Group, Inc. (Chicago)

LiveWire Electrical Systems, Inc.

Lyons View Manufacturing (Chicago)

Midwestern Electric Company, Inc.

PMI Systems Inc. dba The Bar Tech

Group (Chicago)

Women-owned Business Enterprise (WBE) Subcontractors

Evergreen Supply Company (Chicago)

Horizon Contractors, Inc. (Chicago)

**For Resilience, Critical Infrastructure &
Microgrids to enable Chicago's
decarbonization goals, we must first**

**EMBRACE INNOVATION
TECHNOLOGY**

