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## Global Green Lighting Receives Patent for World's First 'Urban Connection Light'

**CHATTANOOGA, TN --** The next generation in lighting technology solutions will come from Chattanooga's Global Green Lighting (GGL). On October 15, 2013, the U.S. Patent Office issued U.S. Patent No. 8,558,413 to GGL for the world's first Urban Connection Light (UCL), which will host multiple smart devices and generate revenue from the deployment of street lights in both the municipal and commercial markets.

"It was a real 'obvious' moment for us," said Don Lepard, CEO of GGL. "We kept hearing a need from our customers about a lower cost way to deploy and operate smart devices on the same pole location of the lighting. To use our lighting technology as a host for other smart devices seemed like such an elegant solution that we were certain there would be existing products like this. Not finding anything similar in the marketplace, we filed our application in July 2012 and, after working the patent on an expedited basis, we were very pleased that the Patent Office approved our application."

The new patented UCL begins with the world's first and only Low Energy Lighting (LED and Induction) street lights with a utility-certified automated metering infrastructure (AMI) in every light to measure energy. These lights can save a municipal or commercial customer more than 50 percent on energy and 75 percent on maintenance. The system is monitored and managed by long-range, wireless smart-grid metering technology. The UCL then combines a POE+ (Power over Ethernet) device with multiple power and data ports into the lights and then uses high-speed fiber optics to connect with the internet. The light then can host any kind of a smart device, such as air quality filter sensors, gunshot sensors, traffic counters, high-definition cameras, super board band Wi-Fi transmitters and new 5G smart radio small cell LTE transmitters.

"The UCL light is the right solution to replacing the nation's aging and inefficient high pressure sodium lighting infrastructure," said Lepard. "It will help a customer speed the deployment of the next generation of smart devices at the same time the new lights are being deployed. It makes smart cities truly smart for consolidating the deployment and operating costs of multiple devices in one location while creating a new revenue stream for owners of the lights."

GGL again is on the cutting edge of technology development. GGL has developed a reliable, low-energy light and combined it with the world's first utility-certified AMI smart grid monitoring system. By combining the demand for the replacement of the nation's municipal lighting infrastructure with a hosting platform (location, power and internet connection) that will lower the cost to deploy the next generation of smart city devices, GGL has created another disruptive technology in municipal lighting.

"This is now patented technology that cities, power companies and commercial entities will want," said Lepard. "We achieved this by listening to the needs of our customers and inventing a common sense solution that has result in another disruptive technology."

**ABOUT GLOBAL GREEN LIGHTING:** *Global Green Lighting is a Chattanooga based company, designing and manufacturing low-energy lighting combined with automated metering infrastructure. The company moved five assembly production lines from China to Chattanooga and is making the world's first utility-certified smart meter light using once unemployed American workers. The company plans to expand its manufacturing basis into other cities as the demand for its new lighting technology increases.*