

# Smart Communities In Focus

## Spotlight: Baltimore, MD



*Baltimore's smart community effort, known as B'Smart Baltimore, is aided through its partnerships with Baltimore Gas & Electric (BG&E), Bloomberg Philanthropies, Electric Vehicle Institute, Maryland's Electric Vehicle Infrastructure Council (EVIC), the Maryland Department of Transportation, and the Maryland Energy Administration.*

**S**mart communities are built on smarter energy infrastructure and leverage the power of data and technology to improve sustainability, spur economic development, help drive efficiencies, and enhance the overall quality of life for their citizens. This summary focuses on specific opportunities where communities and electric companies can collaborate to make communities smarter, including projects that advance: Smart Street Lighting, Smart Transportation, Smart Buildings, Distributed Energy Resources, and Data Analytics and Intelligent Services.

### Baltimore's Goals

- Advance quality education
- Foster a safe environment for the public
- Strengthen economic development and job creation
- Enhance quality of life
- Promote accountability and transparency

## What Makes Baltimore Smart?



**Smart Street Lighting**—Saves energy, improves safety, and reduces traffic congestion.

- BG&E is partnering with Baltimore to convert all streetlights to energy saving LEDs as well as to support efforts to install 6,000 new pedestrian lights throughout the city to brighten communities and improve public safety.



**Smart Transportation**—*Improves safety and mobility, reduces carbon footprint, and provides greater access to services.*

- Baltimore has installed more than 50 electric vehicle charging stations through partnerships with EV charging providers, BG&E, Electric Vehicle Institute, Maryland Department of Transportation, Maryland Energy Administration, and Maryland's EVIC.



**Distributed Energy Resources**—*Improve sustainability, efficiency, and reliability.*

- Baltimore has contracted for more than 7.5 megawatts of solar supply to provide renewable energy to many of its accounts with aggregate net metering.



**Data Analytics and Intelligent Services**—*Increase efficiency, improve city services, and enhance quality of life.*

- Baltimore is developing a citywide digital transformation strategic plan to be released in 2018, of which a large portion will be dedicated to building upon and improving smart city infrastructure to improve services and quality of life for city residents.
- Baltimore recently installed a new smart metering and billing system to improve customer service and provide more accurate and real-time access to water use data.
- BG&E completed its smart meter deployment in 2015, which improved outage restoration, and enabled city residents to take advantage of energy savings programs and load management incentives.

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