



SMART
NEIGHBORHOOD™



Smart
Neighborhood

Tomorrow's Homes. Today.

Jim Leverette
Southern Company R&D





SMART NEIGHBORHOOD™



Objective

Design and build a first of a kind living laboratory to prepare for future grid needs and customer expectations

Scope

Demonstrate distributed energy resources (DER) use cases optimizing cost, reliability, and environmental impact with a **community-scale microgrid.**

Planned community of 62 homes with **energy efficient construction** and **connected home devices** providing an improved customer experience

Demonstrate **building-to-grid integration** with real time utility to customer interaction



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Distributed Generation

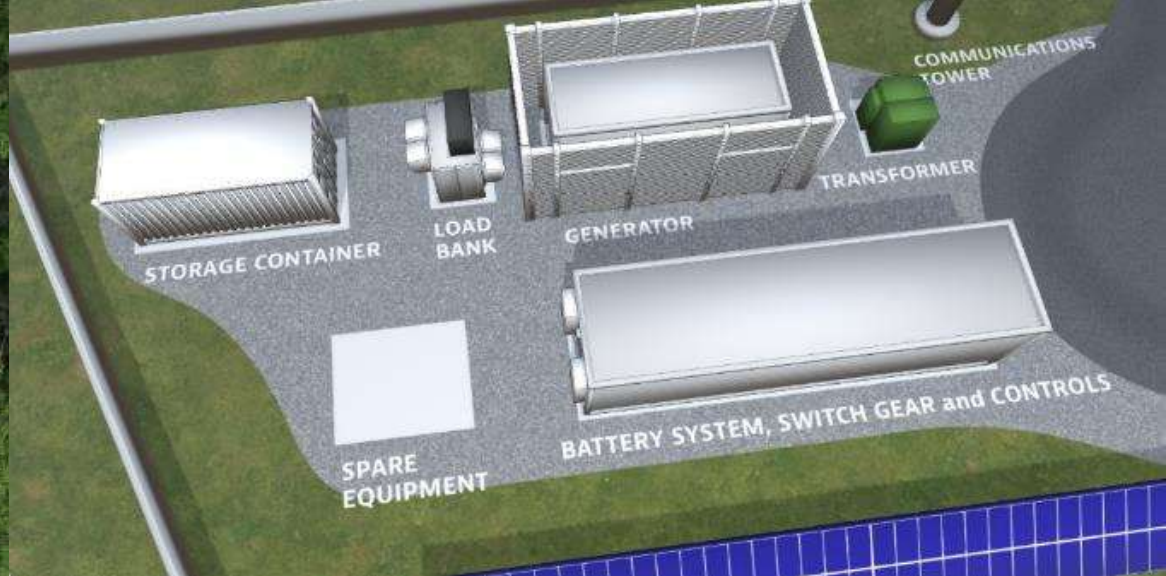
Reynolds Landing

Objective:

Design and build a first of a kind high performance community and residential microgrid to learn how to better serve changing customer needs.



A planned neighborhood of 62 homes with **energy efficient construction** and **connected home devices** providing an improved customer experience.



Demonstrate **distributed energy resource (DER)** use cases optimizing cost, reliability, and environmental impact with a **community-scale microgrid**.

Demonstrate **building-to-grid** integration with real time utility to customer interaction.

Smart Home Components

Georgia Power Partners with PulteGroup to Develop Smart Neighborhood™ in Atlanta www.pulte.com/SmartHomeCommunity



Smart Home Tech:

-  Voice-Activated Security
-  Smart Locks
-  Lighting
-  Cameras
-  Garage Door Controls



Rooftop Solar Panels



Energy Star Appliances



HVAC System



Heat Pump Water Heaters



In-Home Battery Energy Storage

