Tomorrow’s Homes. Today.

Jim Leverette
Southern Company R&D
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
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