



SUSTAINABILITY

BABCOCK RANCH *Florida*



RAISING THE BAR FOR SUSTAINABLE GROWTH

At Babcock Ranch, our environmentally friendly design sprang from the ground up. We started with a thorough understanding of the natural systems, locating development areas where they would have the least impact. Green infrastructure has been the overriding theme in all planning decisions – resulting in a town that is in harmony with its surroundings.

Babcock Ranch builds upon learnings from other smart cities and will embody all facets of the sustainability label, with an emphasis on social, physical, nutritional, spiritual, economic and educational well-being of our residents and businesses.

State of the art solar facilities will supply the town – and the broader region – with clean, renewable, integrated power through a collaboration with Florida Power & Light, an investor-owned, publicly regulated utility.

- | On-site solar photovoltaic energy facility, comprising 75 megawatt Solar Energy Center on 400+ acres as well as solar panels on commercial & residential rooftops
- | World's first town utilizing on-site solar generation facilities to produce more clean, renewable energy than it consumes

A **“living laboratory”** for innovative technologies to combat climate change.

- | Significant advancement through technology toward energy independence which can be modeled throughout the nation
- | Fully integrated conduit system for all utilities: water, sewer, gas, power and data
- | Florida Green Building Coalition (FGBC) certified town

Sustainable transportation system

- | Working to become an early adoption site for model of shared, autonomous electric vehicles, where individuals can “hail” driverless cars using their personal devices.
- | Alternative transportation and pedestrian orientation, with basic amenities and facilities in neighborhood commercial centers within walking distance of homes
- | Transport system designed in collaboration with the Earth Institute at Columbia University



BABCOCK RANCH
Florida

AT BABCOCK RANCH, WE STARTED WITH A THOROUGH UNDERSTANDING OF THE NATURAL SYSTEMS, LOCATING **DEVELOPMENT AREAS** WHERE THEY WOULD HAVE **THE LEAST IMPACT.**

Modern “smart grid” digital electric distribution technologies embedded in the town’s infrastructure that will optimize energy efficiency and lower utility costs for both residents and businesses.

| A high-speed data communications network will enable telecommuting for Babcock Ranch residents

Commitment to the natural world and a connection to nature: half of Babcock Ranch’s total footprint dedicated to greenways parks & lakes, with an active trail system of more than 50 miles of preserved and restored ecosystems.

| More than 90% of development built upon already impacted pasture, farm and rock-mined land

| Babcock Ranch was created as part of the largest single land acquisition for preservation in Florida history (73,000 acres)

| Extensive use of surface water best management practices and filter marshes for water quality; town layout improves existing flow ways and wetland ecosystems

| Integrated water management system sets a new standard for watershed protection, flood control and demand reduction

| Native tree and plant landscape palettes