

Babcock Ranch

SOUTHWEST FLORIDA'S CITY OF TOMORROW™



Quick Facts:

- World's first city with plans to provide for its electricity needs, on site, through the use of solar energy. By consuming less KW hours than the solar facilities located on the property will produce, Babcock Ranch will become the first city in the world powered by clean, renewable solar energy
- Largest on-site solar photovoltaic energy facility powering any city on earth, subject to state approvals (75 Megawatts)
- Modern "smart grid" digital electric distribution technologies can optimize energy efficiency and lower utility costs for both residents and businesses
- Partnership between investor-owned enterprises seeking to implement government initiatives in addressing global climate change, energy independence, and the creation of non-exportable, high-paying "green collar" jobs

Project Facts:

- The city of Babcock Ranch was created as an integral part of the largest single land acquisition for preservation in Florida history – 73,000 acres
- Developer Kitson & Partners is working closely with FPL — the largest producer of renewable energy in the nation
- Over 350 acres of the new city set aside for construction of a 75 megawatt solar photovoltaic production facility — the world's largest

- Additional arrays at the site combined with future arrays on commercial rooftops throughout the community could significantly expand capacity
- Transmission through a "Smart Grid" digital network using two-way communication, advanced sensors and distributed computers can improve the efficiency, reliability and safety of power delivery and use
- Reduces power consumption on the consumer side during peak hours (DSM), facilitates grid connection of distributed generation power and can provide grid energy storage for distributed generation load balancing

Project Benefits:

- Creates opportunity for the nation's first "carbon-neutral" city and a living laboratory for innovative technologies to combat global climate change
- Significant advancement through technology toward energy independence which can be modeled throughout the nation
- City of Babcock Ranch designed to be center of new green collar jobs in research, development and implementation of renewable energy technologies
- Demonstrates the economic opportunities to be found in expansion of renewable energy
- Demonstrates that a true sustainable city, using its resources to meet its current needs while ensuring that adequate resources are available for future generations, is not only attainable but also economically practical