Headquartered in Palm Beach County, Florida

Principal subsidiaries:
- Florida Power & Light Company
- NextEra Energy Resources, LLC

Fortune 200 & World’s Most Admired Companies 8 years in a row
NextEra Energy Resources

#1 producer of renewable energy
from the wind and sun in
North America
Utility-Scale Solar Capacity

- **110 MW in Florida**
  - Including 75 MW at the Martin County plant
- **360 MW in other states**
  - Producing enough energy for more than 230,000 homes
- **Another 900 MW of new solar projects coming online through 2016**
  - Including two major solar thermal projects in California (Desert Sunlight, Genesis)

Source: 2013 Corporate Profile
35 counties

9,000 employees

74,000 miles of power lines

4.7 million customer accounts

Serve more than half the population of Florida
Coal: 5.2%
Oil: 0.1%
Natural Gas: 66.4%
Nuclear: 21.7%
Purchased Power: 6.5%
Solar: 0.1%
We focus on delivering power that’s cleaner every day – while keeping our rates low and our service reliable.

- 35% lower CO₂ emissions
- 71% lower NOₓ emissions
- 97% lower SO₂ emissions

Lower than our industry’s average
FPL is significantly cleaner
Keeping Customer Bills Low

Since 2009

FPL

typical residential customer bill

7% decrease

Approximately 25% lower than national average

Lowest electric bill in Florida for 5 years straight
FPL’s three facilities have made Florida a leading producer of solar energy in the U.S.

**Space Coast: 10 MW solar PV**
- First private/public partnership on solar in U.S.
- Commissioned in April 2010

**DeSoto County: 25 MW solar PV**
- One of the nation’s largest solar PV facilities
- Commissioned by President Obama in October 2009

**Martin County: 75 MW solar thermal**
- The first hybrid solar facility in the world to connect to an existing combined-cycle power plant
- Completed in December 2010
Martin Next Generation
Clean Energy Center
World’s first solar-hybrid plant
Martin Next Generation Clean Energy Center

- Opened in 2010
- First-of-its-kind “hybrid” solar facility in the world, combines Florida’s sunshine with natural gas to deliver reliable electricity around the clock
- More than 190,000 mirrors over roughly 500 acres
- Fluid-filled tubes are heated and produce steam that generates electricity
- At night or when it’s cloudy, natural gas continues producing electricity
- Produces enough electricity to power about 11,000 homes
- Clean energy helps prevent greenhouse gases – the equivalent of removing nearly 13,000 cars from the road each year
Parabolic Trough Technology

- Solar-generated steam displaces HRSG duct burners when in operation
- Parabolic troughs concentrate solar energy to tubes containing Dowtherm A* heat transfer fluid
  - 4 solar fields, 286 rows, 53 linear miles
  - 142-loop solar field
  - Over 190,000 individual mirror panels
  - HTF heated to 740° F and 208 PSI
Martin Solar designed to withstand 130 MPH winds

- 6800 Recycled aluminum frames
  - 28 mirrors per frame
  - 8 bolts per mirror – 1.5 million bolts
Martin Solar designed to withstand 130 MPH winds

30” – 36” auger cast piles
Galv. steel I-beam pylons

~17 ft Deep
Martin site is the largest fossil-fueled generating site in the U.S.

- Site area is 11,000 acres

- 5 generating units
  - Units 1 & 2 conventional
  - Units 3, 4, 8 combined cycle

- Generation totals
  - 3,800 MW peak winter capacity
  - 3,600 MW peak summer capacity
Over 1,000 jobs were created during construction, majority from the local area

- 1.4 million man hours
- Cost $400 million
Clean Solar Power
When energy is needed most!

--- Tracking panels

--- Fixed panels

FPL Peak Demand Hours
Summer: Noon – 9 pm
Winter: 6 am – 10 am
6 pm – 10 pm

28.1 MW
10/18/2010 11:05:51.526
Advancing Solar Energy

New voluntary, community-based solar partnership

- Offering customers the choice to support advancement of solar in Florida
- No bill increase for customers who don’t want to participate
- Pilot program for $9 per month will begin in 2015
Living Lab History

Built between 2009 and 2012
Three locations at Juno Beach headquarters
Questions?
Martin Solar Energy Center

Site Overview

Martin 8 CC

Martin Solar

SF 1
SF 2
SF 3
SF 4
Solar Thermal Process Overview

Solar Field

Heat Transfer Fluid (HTF)

Combined Cycle Power Block

Superheated Steam

Steam Turbine

Condenser

Solar Power Block

Superheater

Steam Generator

Preheater

Condensate

Solar Thermal Hybrid Plant