Florida solar projects south of 98

Hammock Solar

* Operating
* 74.5 MW
* Hendry County, FL
* Created and Owned by Florida Power & Light
* <https://www.fpl.com/clean-energy/solar/energy-centers/hammock.html>

Blue Heron Solar

* Under Construction
* 74.5 MW
* Hendry County, FL
* Created and Owned by Florida Power & Light
* Not as solidified of a plan as the other two, does not have a webpage of its own
* <https://www.google.com/search?sxsrf=ALeKk02fUoW2XuobQaaDPsqvx89c5-5MUQ%3A1583977089727&ei=gZJpXu7vK6WRggfbyYXoBA&q=blue+heron+solar+energy+center&oq=blue+heron+solar+&gs_l=psy-ab.1.0.0j0i22i30l3.1492.1492..2846...0.2..0.118.118.0j1......0....1..gws-wiz.......0i71.vPOPuRBNeG0>

Hibiscus Solar Energy Center

* Under construction
* 74.5 MW
* Palm Beach County
* Created and Owned by Florida Power & Light
* <https://www.fpl.com/clean-energy/solar/energy-centers/hibiscus.html>

ALDI (palm beach)

* Operating
* 2.31 MW
* Royal Palm beach near distribution center and ALDI store
* Emailed SEIA for more info
* **In total:** ALDI has rooftop solar systems on 9 distribution centers, 99 stores

IKEA (REC solar; Fort Lauderdale)

* Operating
* 1.057 MW
* Contracted with REC solar
* Owns and operated the PV systems atop their bulilding
* IKEA total capacity = 38 MW
* <https://recsolar.com/press/ikea-south-floridas-largest-solar-installation/>
* **In total**: they have rooftop solar systems on 90% of their stores

Brookfield Properties Retail (Safari Energy)

* Operating
* 1.419 MW
* Retail services company
* Fun fact: have 1000 solar panels on top of columbiana mall
* Goal: is to achieve a large percentage reduction in landlord managed grid-purchased electricity.
* Invest in on-site solar depending on a bunch of factors:
  + Current & future electricity consumption
  + Local electricity rates
  + State and local incentives
* As of 2018, have 66 solar projs at 51 sites: 63.4 MW capacity

IKEA (REC solar; near Miami)

* Operating
* 1.178 MW

Maimi Dade Solar Energy Center

* Operating
* 74.5 MW
* Florida power and light project

**Takeaways**: Florida Light and Power has 10 big solar projects pending or done Florida. Some of which are shown above. There are also, many big companies that invest in solar such as: ALDI, IKEA, Brookfield properties. These big companies usually engage in a contract with a large solar contractor.

Top Ten Commerical solar companies:

 (Update, these all create solar farms and/or are directly/indirectly utilites)

* <https://energyacuity.com/blog/top-10-largest-solar-companies-in-the-u-s/>

Cypress Creek renewables

* Create solar farms
* Pump the power back to the grid
* HQ: California
* Locations: Durham, NC
* Private equity

First Solar Inc.

* Public company
* HQ: Phoeniz, AZ area
* Locations: NJ, Texas, California
* Makes solar panels
* Has Solar power plants

*Incomplete*

**Takeaways:** The biggest solar companies invest in solar farms to create solar energy to outsource.

Major oil companies

BP

* Acquired stake in “Light Source” Europe’s largest solar power project manager
* BP solar = installer, manufacturer of solar cells
* Has power plants

Shell

* Acquired stake in “Silicon Ranch” = solar cell producer
* Uses solar at its own sites
* Acquired “sonnen” = residential solar and energy storage company
* Has a stake in Cleantech Solar = Singapore solar developer that finances, constructs, and operates solar projects
* Lead investor in ESCO pacific = owns solar farms, makes solar farms in Australia

Total

* Has majority stake in Sunpower = solar cell manufacturer
* Using Sunpower to add solar to 5000 of its service stations
* SunPower = #1 commercial solar provider in USA
* Has solar farms in collab with affiliates
* Strong foothold in India’s solar market via Adani
* “Total solar distributed generation” has multiple projects in Asia

ExxonMobil

* Want to use solar to power their oilfields: rumors **/** articles

Chevron

* Sunpower building solar energy system for one of chevron’s oil fields
* Testing solar cells at a repurposed facility
* **Chevron and ExxonMobil will not follow their rivals for carbon neutral goals**

Eni (Italian)

**Takeaways**: The latter three have engaged in contracts or hired independent contractors for solar work. The big three (BP, Shell, Total) have bought solar companies and are deep, if not leading, in the solar market. ExxonMobil and Chevron want to stay put in the oil sector. Within the oil sector, solar is either utilized to complement the existing infrastructure of the companies or the companies have placed a significant future focus on solar.