

# Solar Electric Generating Systems

Fact Sheet



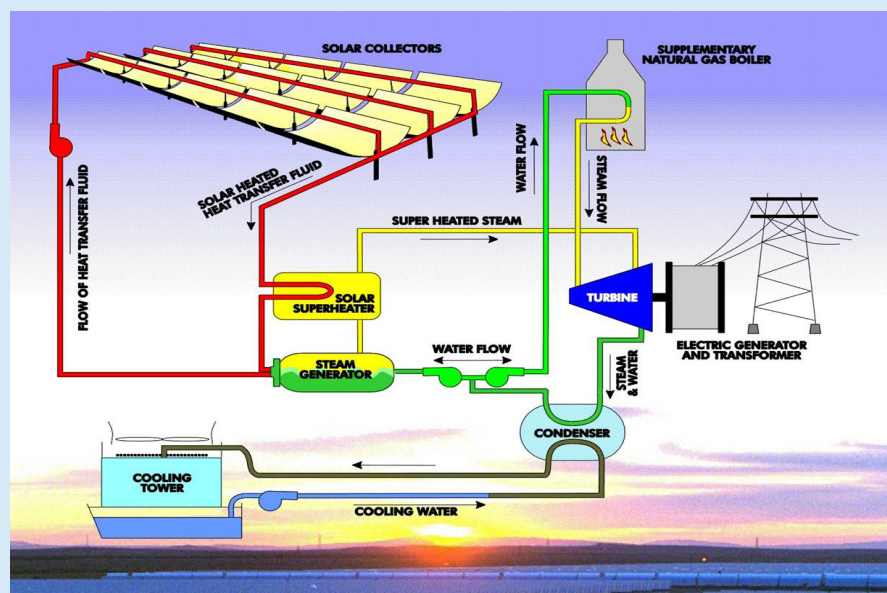
## About NextEra Energy Resources

- » A leading clean energy provider operating wind, natural gas, solar and nuclear power plants
- » A portfolio of power generating facilities across the United States and in Canada
- » The world's largest generator of wind and solar energy
- » A subsidiary of NextEra Energy, Inc., with headquarters in Juno Beach, Florida
- » Nearly all of the electricity we generate comes from clean or renewable sources
- » Visit us at [NextEraEnergyResources.com](http://NextEraEnergyResources.com)

## How Solar Electric Generating Systems works

Solar collectors capture and concentrate sunlight to heat a synthetic oil called therminol, which then heats water to create steam. The steam is piped to an onsite turbine-generator to produce electricity, which is then transmitted over power lines.

On cloudy days, the plant has a supplementary natural gas systems. The plants can burn natural gas to heat the water, creating steam to generate electricity.



## Overview

- » Seven solar facilities operated by a subsidiary of NextEra Energy Resources, LLC
- » Located at Kramer Junction (SEGS III-VII) and Harper Lake (SEGS VIII, IX) in California
- » Generating capacity of 310 megawatts (MW) of thermal solar energy with company ownership equivalent to approximately 150 MW
- » Covers more than 1,500 acres in the desert
- » More than 900,000 mirrors that capture and concentrate sunlight
- » Commercial operation began for SEGS III & IV in 1986; SEGS V in 1987; SEGS VI and VII in 1988; SEGS VIII in 1989 and SEGS IX in 1990

## Benefits

- » Generates safe, clean and reliable electricity
- » Provides employment opportunities
- » Adds tax base to the county
- » Supports economy through purchases of regional goods and services
- » Supports local community organizations