



SUCCESS STORIES

CANE ISLAND POWER PARK

COMBINED CYCLE POWER PLANT, UNIT 4

LOCATION INTERCESSION, FL, U.S.A.
CAPACITY 300 MW OUTPUT
START-UP 2011

VOGT POWER SOLUTION

FMPA website: Electricity from the unit will serve 14 cities: the Central Florida communities of Kissimmee, Leesburg, Ocala and Bushnell, as well as Clewiston, Fort Meade, Fort Pierce, Green Cove Springs, town of Havana, Jacksonville Beach, Key West, Lake Worth, Newberry and Starke.

PERFORMANCE MEASUREMENTS

	ENGLISH	METRIC
HP Steam Flow	810,000 lb/h	367,416 kg/h
HP Steam Pressure	2237 psig	154 barg
HP Steam Temp	1054°F	568°C
RH Steam Flow	823,599 lb/h	373,585 kg/h
RH Steam Pressure	539 psig	37 barg
RH Steam Temp	1053°F	567°C
IP Steam Flow	56,500 lb/h	25,628 kg/h
IP Steam Pressure	321 psig	22 barg
IP Steam Temp	570°F	299°C
LP Steam Flow	37,480 lb/h	17,001 kg/h
LP Steam Pressure	57 psig	4 barg
LP Steam Temp	568°F	298°C



PROJECT OVERVIEW

- + Customer: Zachry Industrial, Inc.
- + End user: Florida Municipal Power Agency
- + Year ordered: 2008
- + Operational: 2011
- + Gas turbine supplier: General Electric
- + Type: SGT6-5000F (FD3)
- + Main fuel: Natural gas
- + Alternate fuel: 7FA
- + Number of HRSGs: 1
- + HRSG Attributes:
 - » Horizontal, natural circulation
 - » SMART design
 - » Three pressure levels + Reheat
 - » Fired

