

86.5 MW 2014 New GE Frame 7EA Natural Gas Generator - USP010082



# Specifications



Manufacturer	GE
Model	Frame 7EA
Year	2014
Condition	New
Location	North America
Price	\$24,735,000
Category	Natural Gas Generators
Subcategories	<ul style="list-style-type: none"><li>10-99 MW</li></ul>
Stock Number	USP010082
Wattage	86.5 MW
Hours	Zero
Frequency	60 Hz
Fuel type	Natural Gas
Voltage	13.8kV



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## Description & Additional Notes

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EXCLUSIVELY FROM USP&E!

USP&E is selling 86.5 MW 2014 New GE Frame 7EA Natural Gas Generator

Units available: 1 x 86.5 MW Unit

60 Hz, 13,800 V

\*\*Note that price is per unit

Images may be representative, and actuals can be supplied upon request.

If you are like us, you read every day about how thousands of fast growth companies struggle to find energy generation that is affordable, reliable and available for immediate shipping and installation on a turnkey basis from a company that really understands the complexities of integration of balance of plant and other site infrastructure.

At USP&E, we have been in business now for over 20 years and have offices in 9 countries. But more importantly, WE ARE OBSESSED WITH EACH CLIENTS JOURNEY TO ENERGY SUSTAINABILITY & RELIABILITY AND ARE DRIVEN TO GUIDE EACH CLIENT TO SUCCESSFUL INTEGRATION OF THE BEST IN CLASS TECHNOLOGIES.

This is important and a huge differentiating factor for our clients because USP&E isn't the hero of our story, you are. We will do everything possible to make sure you are successful, and we have over 20 years of satisfied clients and meaningful, long-term client engagements that prove this out. The potential delays related to permitting, land access, shipping, etc must be dealt with head-on and with urgency. We have helped hundreds of companies like yours for over 20 years.

## Description & Additional Notes

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The process is really simple:

1. Quick, 30 min Engineering/Design Meeting so we Can understand Your project goals, timelines and budgets. ✓
2. Scope of work and supply to match our plants to what you need. ✓
3. Work together to finalise commercial and technical aspects into a contract and move forward with the project. ✓

Please remember, USP&E is not just an equipment broker. We are a GUIDE to energy project excellence. We offer full Engineering, Procurement, Construction and long-term O&M in over 190 countries around the world in order to make sure our client projects are a RESOUNDING success.

Some of the companies we are currently working with include the City of Neom, Barrick Gold, SPACE-X, Firefinch Gold, Kurdistan MOE, Ivanhoe Mining, Boogertman Partners, and Molo Graphite.

At USP&E, we understand how most companies struggle to find energy generation that is affordable, reliable and available for immediate shipping and installation on a turnkey basis. Your partner must be a company that really understands the complexities of integration of balance of plant and other site infrastructure, and not just be a broker. Ideally, your partner offers complete O&M and warranty support services. This is what we have been doing for over 20 years.

## Description & Additional Notes

### 86.5 MW GE (General Electric) 7E.03 Natural Gas Generator Package



#### General Info

Year:  
2014

Housed:  
No

Skidded:  
No

PASC Condition Rating:  
A

Condition Details:  
Never Used

Units Available:  
1

Connection Status:  
Disconnected

Warranty:  
No

Warranty Details:  
Exp Dec 2018

Hertz:  
60 Hz

#### Driver Info

Driver Types:  
Natural Gas

Driver Make:  
GE (General Electric)

Driver Model:  
7E.03

Driver Serial #:

Max HP:  
122,000 hp

Rated RPM:  
3600 RPM

#### Generator Info

Generator Make:  
GE (General Electric)

Generator Model:  
7A6

Generator Serial #:

Electric Capacity:  
86.5 MW

#### Building / Skid Info

Building Heated:  
No

Notes:  
Description:

The package comprises the following major components along with all GE scope of supply and auxiliaries:



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## Description & Additional Notes

- Frame 7EA Gas Turbine model PG7001EA (7E.03)
- Dry Low NOx (for DLN 1.0 Combustion System\*)
- Natural gas single fuel supply
- Design Site Output/Heat Rate 84.6MW at 1916 ft and 32°F; 91MW at 0 ft and 32°F
- Includes GE PIP package (minus Stg 3 Aero), 2055°F firing temp
- Inlet/Exhaust: Pressure drop: 3.5/5.5 inches of H2O
- Hours: factory test fire only, i.e. New
- Control System: MKVIe Speedtronic TMR
- Generator: GE/Andritz
- Frame: BDAX (Brushless)
- Excitation: GE EX2100
- Frequency/Power Factor: 60 Hz/0.85 pf
- Rated Output: 101.8 MVA
- Cooling: Air-cooled
- Designed for the Canadian Market
- Stored in accordance with GE's storage/preservation requirements
- Unit has not been rotated - Not required on 3 bearing units
- Borescope on GTG and quarterly electrical insulation resistance check on the generator

### Other Auxiliary Equipment Available Upon Request (not included in asking price - please call us to inquire):

- Air Cooled Glycol Heat Exchangers c/w VFD's, Filters, Glycol Pumps, GSU Transformer,
- Glycol Expansion Vessel, 52G synchronizing breaker compartment included @ 13.8KV incl. all protection relays etc. - Terminal Voltage: 13.8Kv (2 pole, 3-phase, Wye conn.)
- Heat Recovery Steam Generator (HRSG - Not Complete)

### Electrical/substation components additional details (could *potentially* be sold additional to the GTG pkg [GE scope of supply]):

- 1 x Siemens, 5,600A self-cooled, 13.8kV, 95kV BIL, fixed mounted generator breaker in enclosure
- 1 x 75/100/125 MVA, 13.8kV - 260kV, oil-filled generator step-up transformer (see attached "GSU datasheet")
- Various low voltage motor control centres for all auxiliary loads
- Generator Protection Panel including two GE Multilin G60 generator protection relays

**\*Combustion system (for GTG) not included or installed** - Combustor Components from refurbished parts are available upon request at additional cost.

Below is the list of missing combustion components:

- Primary Fuel Nozzles
- Secondary Fuel Nozzles
- Flow Sleeves
- Liners
- Cross Fire Tubes
- Transition Pieces and TP Seals
- All gaskets, nuts, bolts, screws, pins to install the above











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