

FLEXIBILITY & EFFICIENCY

Ideal for Peaking
Fast Start < 10 Min.
Smaller Unit Size 8.4 MW
Reliable Proven Technology
Minimum Down Time
Cheaper to Build
Smaller Unit Additions
Easier to Finance
Easy to Construct / Expand
Easy to Operate & Maintain
Use Existing Personnel
Existing Plant Site
Low Pressure Gas Available
No Make Up Water Needed
Meets Environmental Standards
Quick Payback on Investment
Cheaper to Operate
Low Heat Rate
Energy Savings
Ancillary Service Savings
Increased Black Start Revenue

OTHER ADVANTAGES

Multiple Unit Reliability
Provides Backup for Coal
Alternative to High Grid Prices
Local Emergency Power Source
Good Fit for ERCOT Market

FACTS ABOUT THE ENERGY CENTER

77,565 feet of cable

2,276 cubic yards of concrete poured

A 20-cylinder, natural gas-fueled internal combustion engine drives each electric generator.

The Finnish company Wärtsilä, one of the premier manufacturers of reciprocating engines/generators in the world, supplied the engines and generators.

1,360 gallons of lubricating oil per engine

The engines/generators, weighing 151 tons each, are not bolted to the floor; instead, they are mounted on 20 spring packs to avoid transferring any vibration to the floor.

Engineered by



Manufactured in

Finland by

WÄRTSILÄ



TOM DARTE ENERGY CENTER

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WELCOME

to the
June 25th, 2010
DEDICATION CEREMONY
for the new



TOM DARTE ENERGY CENTER

The GEUS family and members of the community recognize Tom Darté for his contributions in helping us fulfill our mission in:

**PROVIDING RELIABLE
ELECTRIC SERVICE
AT COMPETITIVE RATES**

This state-of-the-art energy center bears his name to honor him for his unending devotion to serving our community and making a difference in a time of a rapidly changing energy environment. His accomplishments will have a positive impact on the quality of life now and for many years to come.

1891: THE FIRST IN TEXAS

Greenville needed electricity and created the first municipally-owned electric utility in Texas.



The Old Pump House (1888)

1988: TOM DARTE HIRED FOR GENERAL MANAGER POSITION



A 4-1 vote of the citizens of Greenville approves the establishing of an autonomous Electric Utility Board and the position of a Utility General Manager.

2000: NAME CHANGE

Greenville Electric Utility System diversifies and adds Cable TV & high-speed Internet, and changes name to GEUS.

2006: CHANGE IN LEADERSHIP

Tom Dart retires from full time position of General Manager and was quickly retained as Project Manager for the new engine plant.

2010: NEW ENGINE PLANT

- QUICK START
- ENVIRONMENTALLY FRIENDLY
- LOW EMISSIONS
- CLOSED COOLING SYSTEM



Ground Breaking July 23rd, 2009



Site Preparation August 7th, 2009



Engines Arrive February, 2010

CONSTRUCTION

Construction began on July 20th, 2009. Three units, representing 25,000 kW of generating capacity, entered commercial service on June 4, 2010.

Total construction cost for the natural gas-powered facility was approximately \$34 million. During the 10 month construction period, more than 70 people in various construction trades worked at the site.

ENERGY EFFICIENCY

Today's rapidly changing environment demands flexibility in fuel selection to supply reliable energy at competitive rates. Wärtsilä engines' proven technology answers today's challenges in energy efficiency and grid stability with low environmental impact. This new generation provides a long-term peaking energy resource that is more economical than available alternatives.

RELIABILITY

The Tom Dart Energy Center, with a quick-start capability of less than 10 minutes, will provide the extra generation needed when demands peak. Added benefits include the ability to avoid high price spikes when cost of power on the open market soars to levels beyond the cost of local generation. With 30% savings through efficiency and the option of selling excess power, this Center becomes a valuable asset in our community.