

Best locomotive

Reason for GE Transportation



Skilled engineers

- We have 12,000 employees over 65 countries. These employees try their best to maximize the customer's benefits

Long experienced

- Established more than a century ago
- Various aspects of field that employees are currently work

Advanced technology

- We always try to maximize the customer needs effectively. As a result, we always get the best results with advanced technology.

Fuel - Liquid Natural Gas



LNG

- Natural Gas converted into the form of liquid to store and transport easily

Cost

- Cost can be **reduced about 50%** by using LNG
- Diesel with full coal train/500 miles → \$31914.9
- LNG with full coal train/500 miles → \$7938.9

capacity

- LNG occupies very small space in the locomotive → more space for freight
- CNS with full coal train/500 miles → 1812295 ft³
- LNG with full coal train/500 miles → 26534 ft³

Advantages of GE locomotive



Eco friendly

- Meet EPA requirement
- Reduces amount of smog
- Reduces amount of pollutants such as NOx

Larger capacity

- More space for freight than previous model

Cost Effective

- Reduced price of locomotive
- Reduced price of fuel

Fast speed

- Fast enough speed to delivery on time
- No need to worry about delivery.

System Cycle Diagram



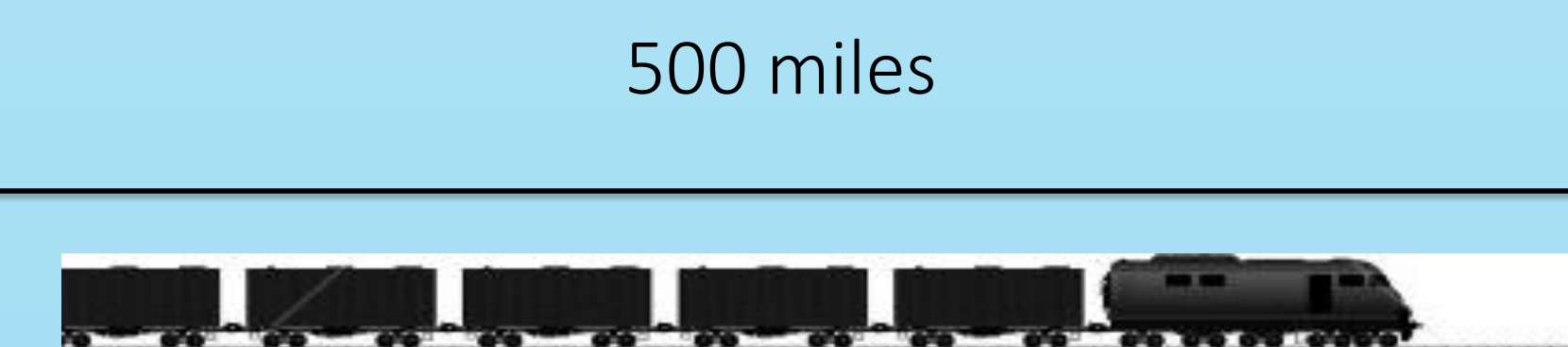
Rolling Hill Generating Plant



Supplement fuel:
LNG 23456.07 gallons



Travel in freight cars and coal



5 Empty coal train (78 tons)/day
15 Empty freight train(60 tons)/day



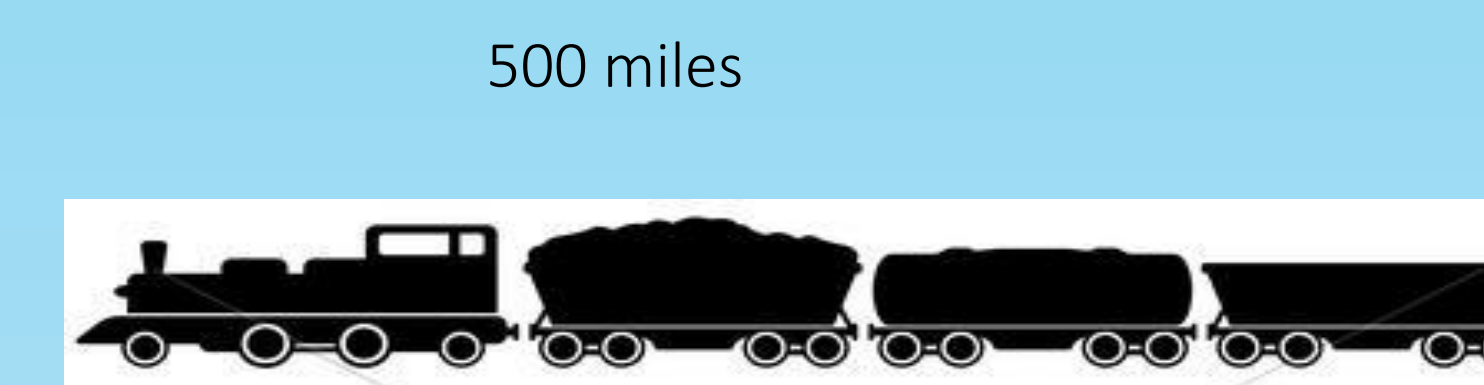
30th Train Station in Philadelphia

Go to handle cargoes :
coal and freight cars



30 tons

117 tons



Full coal train and freight train



Travel out freight cars and coal