Conventional Energy Systems

High Pressure Steam

117 Units

BOILER
(Efficiency = 83%)

97 Units

STEAM TURBINE
(Eff. = 42%)

41 Units

GENERATOR
(Eff. = 94%)

38 Units

DISTRIBUTION SYSTEM
(Eff. = 92%)

35 Units

CONDENSER

58 Units

BOILER
(Efficiency = 80%)

Heat to Campus 45 Units

175 Fuel Source units yields:
- 35 Units of Electricity and
- 45 Units of Thermal Energy

Overall Efficiency: 45%