## 10-31-2013-energy-cost-calculator-generic-power-only

Input are highlighted in green

### Capital Cost

CapitalCost=70000000

### Electrical and Fuel--base year

NetPlantCapacity=25000

CapacityFactor=85

AnnualHours=CapacityFactor/100\*8760

NetStationEfficiency=20

FuelHeatingValue=18608

FuelConsumptionRate=NetPlantCapacity/(NetStationEfficiency/100)\*3600/FuelHeatingValue/1000

FuelAshConcentration=5

AnnualGeneration=NetPlantCapacity\*8760\*CapacityFactor/100

CapitalCostNEC=CapitalCost/NetPlantCapacity

AnnualFuelConsumption=FuelConsumptionRate\*AnnualHours

AnnualAshDisposal=AnnualFuelConsumption\*FuelAshConcentration/100

### Expenses--base year

### Taxes

### Income other than energy

### Escalation/Inflation

### Financing