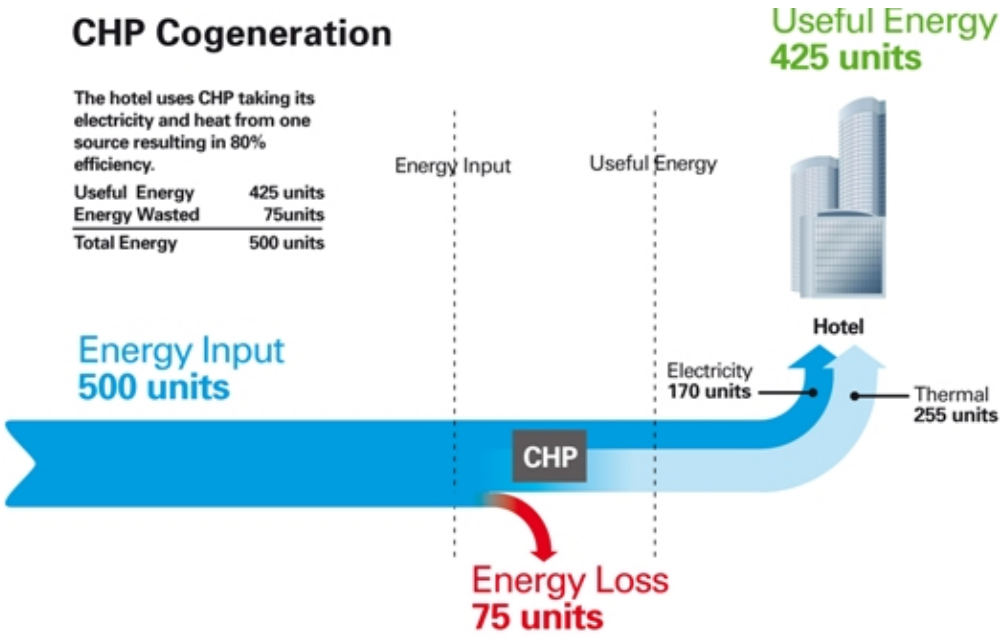
**HOW A COMBINED HEAT AND POWER (CHP) PLANT SHOULD WORK**: It puts out USABLE heat , AND  usable electricity...AND IS QUITE EFFICIENT




BUT THAT IS **NOT WHAT IS PROPOSED**...Although it is described loosely as CHP, it is NOT a CHP plant. Articles in the press quote NEDL as saying it would "heat and light 10,000 homes"  It will not do that - 4.5 MWe would be sent out of the plant - that would supply electricity only - no heat - to about 8000 homes. If you want to heat the homes as well from this plant, the number is less than half that.

**BIOPOWER 5** IS THE UNIT PLANNED - Look at the efficiency..

...not very good, is it? Actually, it is less efficient than an open fire

| BioPower Condensing Plants | MWe | Steam parameters | Gross efficiency |
|---|---|---|---|
| BioPower 2 | 2.3 | 23 bar/450 °C | 20% |
| BioPower 5 | 5 | 50 bar/450 °C | 23% |

SO WHY CHOOSE THIS DESIGN OF PLANT when it is so inefficient?
 That's because in any CHP plant,  the more heat  produced = less electricity - and the electricity makes the money  (oh, and plus the fifty percent grant - that's £10 million of public money paid back to NEDL once the £20 million plant is built....)