

energy measures

fact file

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ADDITIONAL INFORMATION: Laundries/Dry Cleaning**Energy benchmarks for laundry operations**Benchmarks for laundries – all figures are given per kg of linen processed¹

Energy efficiency rating	Good	Fair	Poor
Electricity equipment only (kWh)	0.1 – 0.13	0.13 – 0.16	>0.16
Electricity incl. light and ventilation (kWh)	0.19 – 0.22	0.22 – 0.28	>0.28
Steam (kWh) 1kg = 0.67 kWh	1.5 – 1.8	1.8 – 2.0	>2.0
Total energy requirement (kWh)	1.8 – 2.2	2.2 – 2.5	>2.5
Water (litres) without recovery	23 – 26	26 – 30	>30
Water (litres) with recovery	12 – 15	15 – 18	>18

Water consumption with recovery means washing machines that reuse water from specific cycles via a temporary storage tank. Tunnel washers are equally efficient.

To compare the performance in your establishment to these benchmarks, you will need to:

1. Install sub-meters for each utility (ensuring that your sub meters record only laundry consumption and not – for example - steam used in the kitchen as well as the laundry area)
2. Take readings from your sub-meters and convert them all into kWh²
3. Calculate or measure the weight in kg of linen your laundry processes
4. Calculate – on a monthly or annual basis – energy consumption per kg washed (divide the energy consumed by the kg of linen washed)
5. Compare your performance to the benchmarks above.
6. If your current performance is significantly higher than these benchmarks, it may be worthwhile considering updating your equipment with more energy-efficient alternatives.

¹ Source IHEI, 1996

² To convert energy consumption from other units into kWh, use the following factors:

- Multiply therms or BTU by 29.28
- Multiply cubic meters of gas by 10.5
- Multiply cubic feet of gas by 0.97
- Multiply tone of steam by 698.