

### Companies connection to energy efficiency

The company has been committed to sustainable food management since 2002, acting not only out of self-interest but also conforming to the crucial market requirements of ecology and economy. The demand of consumers for eco-friendly methods in the dairy industry has increasingly come to occupy centre stage in the last few years. In addition, the company positively achieved a certification to ISO 14001 and ISO 50001.

### Steam system

The nominal capacity of the steam system, which consists of four boilers, is total about 34 t/h. The nominal steam pressure is 14.5 and 25 bar. There is also a gas turbine with an exhaust boiler 12.7 t/h. However, currently the maximum needed pressure level is 11 and 21 bar. The boilers use natural gas as fuel. The main consumers are spray drying milk and heat exchanger. 34- 60% of the condensate returns from the consumers, because some of consumers use the steam directly.

### Steam system problems identified

The steam system is in a good overall condition and several energy efficiency measures have already been implemented during the last years, for example, there was a fuel switch from steam to directly fired nature gas spray dryer a few years ago.

### Proposed energy saving measure(s), investments, and expected results (in figures)

Because of the factory is located in an area where there is no opportunities to expand and since a direct fired spraying plant fills more than one where steam is used, possibility is not included. HOCO has an ISO 50001 system where continuous improvements are implemented.

### Implemented proposed energy saving measure, investments and results achieved.

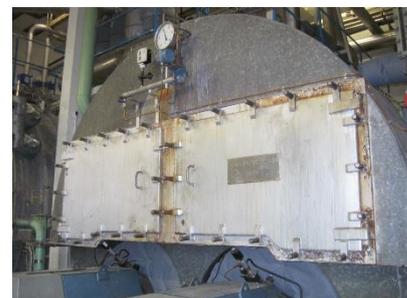
As described above, no energy savings were found and therefore no investments were recorded.

### Achieved and/or expected Non Energy Benefits (NEBs) as result of implemented and/or proposed measures and investments involved

If HOCO had had the opportunity to replace the spray dryer, they would increase the overall efficiency of the steam system and lead to lower CO<sub>2</sub> emissions.

### Involvement of internal stakeholders

The management of the company is highly interested in implementing measures to achieve cost-effective energy savings.



HOCO

[www.arlafoods.dk](http://www.arlafoods.dk)

7500 Holstebro  
Denmark

Dairy

Dairy products

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Total (estimated) Investment

€ 0

Total (Estimated) Savings

€ 0

0 kJ p/m

Non Energy Benefits

Increased production

Lower CO<sub>2</sub> emission