

Energy Efficiency Questionnaire

Responsible Person for this Questionnaire

NAME:

POSITION:

A. General Information

1. Name, Address and Location of the Food Retailing Facility

| | |
|-----------------------------|--|
| Name | |
| Address | |
| Geographic Latitude | |
| Geographic Longitude | |
| Altitude (m from sea level) | |

2. Main space areas and use

| | General Retail Area | Common Food Storage Area | Air Conditioned Food Storage Area | Refrigerated Food Storage Area |
|--------------------------------|---------------------|--------------------------|-----------------------------------|--------------------------------|
| Required Temperature (°C) | | | | |
| Space Area (m ²) | | | | |
| Space Volume (m ³) | | | | |

3. Please attach a Perspective Building Drawing showing a general view of the building and indicating the Food Facility's spaces. Also include bordering buildings and sites as well as orientation and main dimensions.

4. Please refer any energy efficiency bio-climatic aspects that have been taken into account for the design and orientation of the building of the facility (e.g. passive solar to minimise heating and lighting requirements).

B. Energy Performance

1. The Building Envelope

| Insulation Type | Used / Not used |
|------------------------|------------------------|
| Loft/roof insulation | |
| Cavity wall insulation | |
| Floor insulation | |
| Double glazing | |

2. Heat

| | Design | Estimated | Actually Measured in 2007 |
|------------------------------------------------|---------------|------------------|----------------------------------|
| Space Heating Annual Consumption (Gcal/y) | | | |
| Hot Water Annual Consumption (Gcal/y) | | | |
| Total Annual Heat Consumption (Gcal/y) | | | |
| Self generated heat (Gcal/y) | | | |
| Imported from District Heating system (Gcal/y) | | | |

3. Conventional Fuel Consumption

| | Fuel type | Unit of measurement | Consumption* |
|---------------------------|------------------|----------------------------|---------------------|
| For Combined Heat & Power | | | |
| For Heat only | | | |
| For Electricity only | | | |
| For other uses | | | |

* Specify D, E or A for Design, Estimated or Actual

4. Electricity, Refrigeration and Cooling

| | Design | Estimated | Actually Measured in 2007 |
|-------------------------------------------------|---------------|------------------|--------------------------------------|
| Total Installed Electricity Capacity (kW) | | | |
| Installed Refrigeration Capacity (kcal/h) | | | |
| Installed Air Conditioning Capacity (kcal/h) | | | |
| Annual Consumption for Lighting (kWh/y) | | | |
| Annual Consumption for Refrigeration (kWh/y) | | | |
| Annual Consumption for Air Conditioning (kWh/y) | | | |
| Other Electricity Consumption (kWh/y) | | | |
| Self generated Electricity (kWh/y) | | | |

5. Own Energy Generation Installed Capacity

| | Capacity | Fuel / source | Technology |
|------------------------------------------------------------------|-----------------|----------------------|-------------------|
| Own Electricity Generation Capacity from conventional fuels (kW) | | | |
| Own Electricity Generation Capacity from renewable sources (kW) | | | |
| Own Heat Generation Capacity from conventional fuels (kcal/h) | | | |
| Own Heat Generation Capacity from renewable sources (kcal/h) | | | |

6. Air Conditioning and Refrigeration Systems

| Technology Used | Capacity (kcal/h) | Actual Maximum Load (kcal/h) | Annual Average Load (kcal/h) |
|-----------------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Single Zone AC systems | | | |
| Multiple Zone AC systems | | | |
| Vapor-Compression Cycle refrigeration systems | | | |
| Multi-pressure refrigeration systems | | | |
| Absorption refrigeration systems | | | |
| Heat Pump refrigeration systems | | | |

C. Energy Prices

Current Average Contract Energy Prices (agreed in advance with suppliers, without penalties)

| Energy | Unit | Value |
|----------------------------|-------------|--------------|
| Electric Power Peak Demand | EUR / MW | |
| Electricity | EUR / MWh | |
| Natural Gas | EUR / Gcal | |
| Heavy Fuel Oil | EUR / Gcal | |
| Purchased Heat | EUR / Gcal | |
| | | |
| | | |