

Report title Energy Consumption Report, v1.1
Indicator 1.21.2

Instructions *This template is intended for reporting feed mill energy use results to ASC. Values should reflect the energy inputs to the feed mill per tonne of feed in the previous production year. Energy inputs do not need to be specific to ASC-compliant feed, but producers should ensure that the quantities of energy inputs and quantities of feed produced are measured on the same scale (i.e. entire feed mill) and over the same temporal period (the most recent full year of production).*

Common energy inputs are listed along with default energy density values. If energy density values are changed, the data source and justification for the changed values should be verified by the auditor to ensure accurate values per reported unit (this may be particularly relevant to burning of biomass). Additional energy inputs that are not listed here should be combined and reported as 'Other' inputs with MJ units, and the details of those inputs should be made available to the auditor.

Only enter data in blue cells.



Table 1. Production year

Year of production (yyyy)

Table 2. Energy input per energy carrier and

Energy input	Input units	Quantity per tonne of feed	Energy density (MJ) per unit	Energy per tonne of feed
Electricity	kWh	59.29323877	3.6	213.4556596
Diesel	L	0.656879515	38.2	25.09279748
Petrol/gasoline	L		34.4	0
Fuel oil	L		42.6	0
Natural gas (gaseous)	m ³		39.8	0
Liquid natural gas	L		22.6	0
Liquid petroleum gas	L		26.1	0
Biomass	kg	69.71045305	15.2	1059.598886
Biodiesel	L		30.2	0
Biogas	kg		19.9	0
Other	MJ		1	0
Total	MJ			1298.147343

Notes

Default energy density values for fuels are calculated based on data from the Department for Environment, Food & Rural Affairs of the United Kingdom. <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

Biomass energy density is averaged across wood logs, wood chips, and wood pellets. Energy densities of biomass may vary substantially based on material, form, and moisture level and should be indicated specific to the biomass fuel used if possible. They are not adjusted to reflect any rate of efficiency or loss or upstream life cycle energy requirements.