

CEWEP

Country report 2018

Luxembourg



“Municipal Waste” (MW) means waste from households as well as commercial, industrial and institutional waste, which because of its nature and composition is similar to waste from households (excluding hazardous waste).

“Solid Recovered Fuels” (SRF):- solid fuel prepared from non-hazardous waste to be utilised for energy recovery in incineration or co-incineration plants, and meeting the classification and specification requirements laid down in CEN/TS W100343003.

“Refuse Derived Fuels” (RDF): broader than definition of SRF. In the Country Report only RDF expression is used and it comprises SRF as well.

A. Amount of Waste	
In your <u>country</u> in million tonnes (Reference year: 2017__)	
Total amount of Municipal Waste (MW): MW production / inhabitant / year: ____ kg/inhabitant	601,14
Total amount of household waste	?
Total amount of commercial/industrial/institutional waste similar to household waste	?

Total amount of industrial/commercial waste	?
Total amount of waste	0,361890

B. Treatment of Waste

In your <u>country</u> (concerning MW) in million tonnes (Reference year: 2017__)	
Recycling (including composting)	0,175190
Incineration	0,161430
Landfilling	0,25270

Total Amount of thermally treated waste in million tonnes (Reference year: 2017__)	
In WtE plants/dedicated RDF plants	0,161430
In Cement kilns	?

Number of plants (Reference year: 2017__)	
WtE plants	?
Dedicated RDF plants	?
R1 plants	1

Capacity development in your <u>country</u> (Please include retrofitted/closing facilities)	Years			
	2019 – 2025		After 2025	
	Additional Capacity, ktonnes	Additional number of plants	Additional Capacity, ktonnes	Additional number of plants
Planned additional Waste-to-Energy plants:				
Planned additional RDF plants:				
All (if it is not possible to specify separately)	?	?	?	?

C. Energy production in Waste-to-Energy and dedicated RDF plants

1. Total Electricity and Heat production in Waste-to-Energy and dedicated RDF plants

Reference year: 2017 _____

Total Electricity and Heat production in Waste-to-Energy plants and dedicated RDF plants	
Reference amount of thermally treated waste in million tonnes:	0,167496
Number of plants:	1
Electricity produced in million MWh/ year	124,151
Electricity exported in million MWh/ year	104,503
Heat* produced in million MWh/ year	/
Heat* exported in million MWh/ year	/

* incl. heating, cooling and steam

2. Recognition of energy produced in Waste-to-Energy and RDF plants as renewable

How much %? (Please indicate if it refers to energy production or waste input): ____? ____

Contribution of WtE to the production of renewable energy in your country (%) ____? ____

D. Residues

Reference year: 2017 _____

Slag/bottom ash	
Annual amount in million tonnes:	0,028073
Method of utilisation or disposal (%): (road construction, cement production, construction block fabrication, landfill: considered as recovery (e.g. as layer) or disposal?)	Road construction
Recovery of metals	
Annual amount (%):	
Ferrous (F) material extracted (gross weight, %):	6,86
Non Ferrous (NF) material extracted (gross weight, %):	1,60
Typical composition of the NF fraction (% Al, other NF, inert):	91,54

**FGC (Flue Gas Cleaning) residues,
(incl. filter dust and boiler ash)**

Annual amount in million tonnes:	0,005296
Method of treatment or disposal (e.g. salt mine, hazardous landfill site, stabilisation, immobilization and use as asphalt filler):	Salt mine

E. Waste shipments of MUNICIPAL and SIMILAR WASTE

Into/from your country, reference year: _____

	MW	RDF
Shipments in	/	/
Shipments out	/	/

(if possible please indicate the countries to/from which the shipments are made)

F. Responsibilities Public - Private

Type of waste:	Responsibility for treatment: Public/Private	Responsibility for collection and transport: Public/Private	Municipalities' responsibility for monitoring: Yes/No
from private households			
commercial waste similar to household waste			
industrial/commercial waste			
hazardous waste			

G. Refuse Derived Fuels (RDF)

	In million tonnes (Year _____)
MW input in Mechanical-Biological Treatment (MBT)	
Production of RDF	
Planned capacity (of MBT)	

H. Taxes

1. Waste-to-Energy taxes for Municipal Waste (MW)

Reference year: _____

	Tax in €/tonne MW	Tax for export in €/tonne MW	Tax for import in €/tonne MW	Other tax (e.g. CO₂, energy)	Rules to avoid double taxation if MS of destination and of dispatch have taxes
Incineration					
Co-Incineration					

Additional comments:

2. Landfill taxes and bans

Reference year: _____

Average Net fee for landfilling in €/tonne	VAT (Value Added Tax) rate %	Landfill tax in €/tonne (If landfill tax is planned please indicate when and the amount planned)	Total price for landfilling €/tonne MW	Landfill ban (If landfill ban is planned please indicate when and for what type of waste)

Additional comments:

t/a capacity