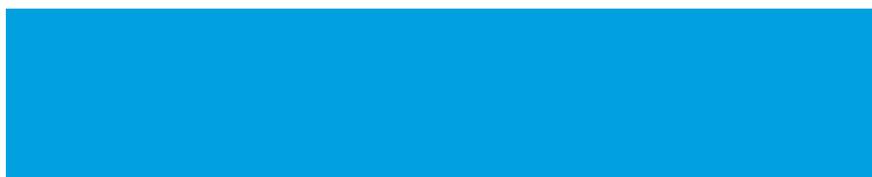


# CEWEP

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__)	
<b>Total amount of Municipal Waste (MW): MW production / inhabitant / year: ____ kg/inhabitant</b>	601,14
Total amount of household waste	?
Total amount of commercial/industrial/institutional waste similar to household waste	?

<b>Total amount of industrial/commercial waste</b>	?
<b>Total amount of waste</b>	0,361890

### B. Treatment of Waste

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

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

### 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: \_\_\_\_\_

	<b>MW</b>	<b>RDF</b>
<b>Shipments in</b>	/	/
<b>Shipments out</b>	/	/

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

#### F. Responsibilities Public - Private

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

#### G. Refuse Derived Fuels (RDF)

	<b>In million tonnes (Year _____)</b>
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: \_\_\_\_\_

	<b>Tax in €/tonne MW</b>	<b>Tax for export in €/tonne MW</b>	<b>Tax for import in €/tonne MW</b>	<b>Other tax (e.g. CO<sub>2</sub>, energy)</b>	<b>Rules to avoid double taxation if MS of destination and of dispatch have taxes</b>
<b>Incineration</b>					
<b>Co-Incineration</b>					

Additional comments:

##### 2. Landfill taxes and bans

Reference year: \_\_\_\_\_

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

Additional comments:

t/a capacity