



Hungary: summary data

Summary Data

Population (millions)	10
GDP (US\$ billions)	124
GDP Per Person (US\$)	12,611
Estimated Annual Waste Generation (million tonnes)	3.7
Per Person Annual Waste Generation (kg)	380

Source: AcuComm database, February 2018 www.acucomm.net

AcuComm currently lists 19 waste projects in Hungary. These have a total value of US\$749 million, or US\$39 million each.

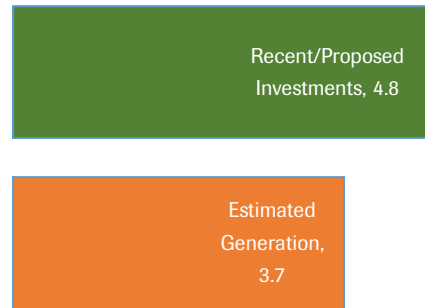
Incineration (with energy recovery) is the leading project type, accounting for US\$395 million or 53% of the total. This is followed by biofuel, accounting for US\$215 million or 29% of the total.

The total estimated capacity of these projects is 4.8 million tonnes. This is equal to 252,614 tonnes per project on average, and 789 tonnes per day per project (using a standard 320-day year).

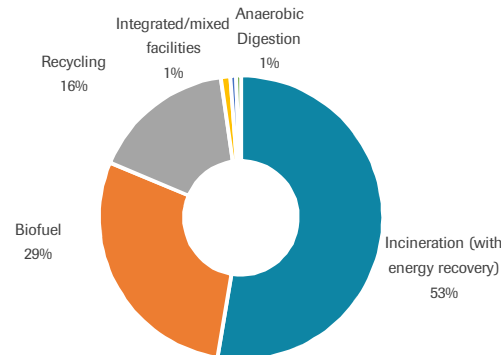
This capacity is equal to 129% of Hungary's estimated annual waste generation, at 3.7 million tonnes or 380 kg per person.

Power generation is a component of 13 projects, or 68% of the total. Total actual or planned generation is 843 MW, equal to 65 MW per project on average.

Hungary, Feedstock Capacity (million tonnes)



Hungary, Leading Tech Types (US\$m)



Summary of Active Waste Projects

Number	19
Of which, power-generating	13
Total Value (US\$m)	749
Average Value (US\$m)	39
Capacity (million tonnes)	4.8
% of Estimated Generation	129
Average Annual Feedstock Capacity (tonnes)	252,614
Average Tonnes Per Day Per Project	789
Power Generation (MW)	843
Average Power Generation (MW)	65

US\$m Value By Feedstock Type:

MSW	27
e-Waste	16
Food	0
Glass	0
Metals	46
Paper	0
Plastics	15
Rubber	24

US\$m Value By Tech Type:

Anaerobic Digestion	5
Biofuel	215
Biogas	4
Gasification	0
Incineration (with energy recovery)	395
Incineration (without energy recovery)	0
Integrated/mixed facilities	8
Landfill	0
MBT	0
Other	0
Recycling	122
Waste processing	0

Source: AcuComm database, February 2018 www.acucomm.net



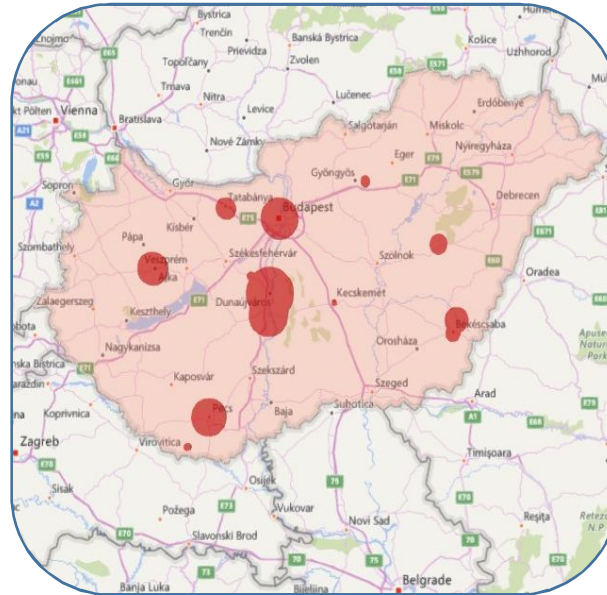
Hungary: five year outlook

Waste investments totalling US\$296 million are expected to become operational over the next few years. This is currently expected to peak in 2020 at US\$215 million.

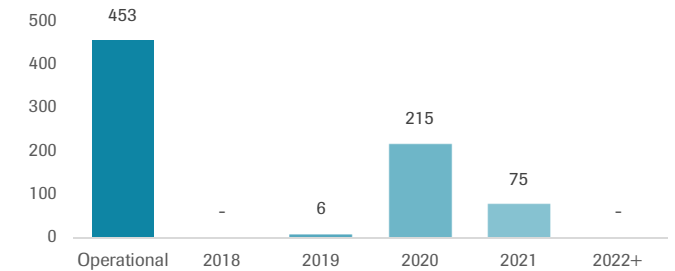
Planned additional capacity is 2.6 million tonnes, of which 2,177,985 tonnes (83% of the planned total) is estimated for 2020.

Planned additional power generation is 623 MW, of which 623 MW (100% of the planned total) is due to come into operation before 2022.

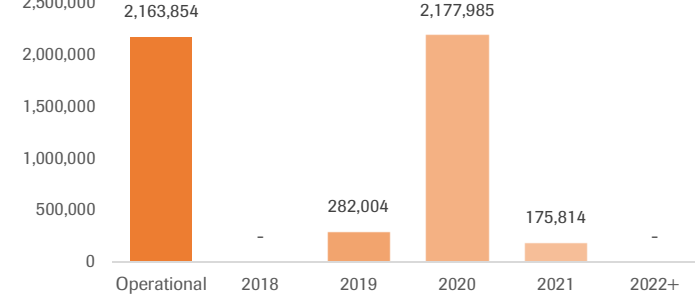
Around 61% of projects by value, and 45% by tonnage capacity, is in projects which are already operational.



Hungary, Value of Investments by Operational Date (US\$m)



Hungary, Capacity of Investments by Operational Date (tonnes)



Hungary, Projects by Date of Operational Status

	Operational	2018	2019	2020	2021	2022+
Number	14	0	1	3	1	0
<i>Of which, power-generating</i>	<i>8</i>	<i>0</i>	<i>1</i>	<i>3</i>	<i>1</i>	<i>0</i>
Value (US\$m)	453	-	6	215	75	-
Average Value (US\$m)	32	-	6	72	75	-
Feedstock Capacity (tonnes)	2,163,854	-	282,004	2,177,985	175,814	-
Average Feedstock Capacity (tonnes)	154,561	-	282,004	725,995	175,814	-
Average Tonnes Per Day Per Project	483	-	881	2,269	549	-
Estimated Power Generation (MW)	220	-	31	100	492	-
Average Power Generation (MW)	27	-	31	33	492	-

Source: AcuComm database, February 2018 www.acucomm.net

Hungary, Power Gen. of Investments by Operational Date (MW)

