



Poland: summary data

Summary Data

Population (millions)	38
GDP (US\$ billions)	488
GDP Per Person (US\$)	12,867
Estimated Annual Waste Generation (million tonnes)	10
Per Person Annual Waste Generation (kg)	272

Source: AcuComm database, February 2017 www.acucomm.net

AcuComm currently lists 26 waste projects in Poland. These have a total value of US\$2,306 million, or US\$89 million each.

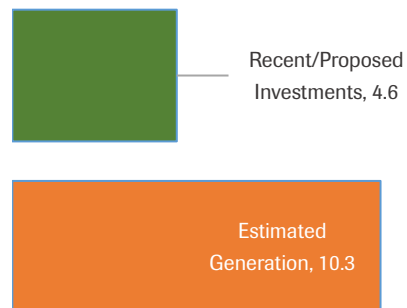
WtE incineration is the leading project type, accounting for US\$1,618 million or 70% of the total. The remainder comprises mixed facilities, recycling, waste processing and MBT.

The total estimated capacity of these projects is 4.6 million tonnes. This is equal to 177,465 per project on average, and 555 tonnes per day per project (using a standard 320-day year).

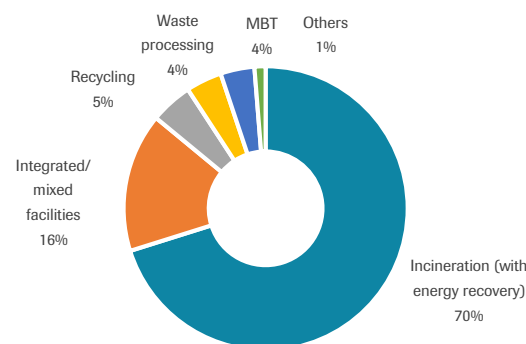
This capacity is equal to 45% of Poland's estimated annual waste generation, at 10.3 million tonnes or 272 kg per person.

Power generation is a component of 15 projects, or 58% of the total. Total actual or planned generation is 614 MW, equal to 41 MW per project on average.

Poland, Feedstock Capacity (million tonnes)



Poland, Leading Tech Types (US\$m)



Summary of Active Waste Projects

Number	26
Of which, power-generating	15
Total Value (US\$m)	2,306
Average Value (US\$m)	89
Capacity (million tonnes)	4.6
% of Estimated Generation	45
Average Annual Feedstock Capacity (tonnes)	177,465
Average Tonnes Per Day Per Project	555
Power Generation (MW)	614
Average Power Generation (MW)	41

US\$m Value By Feedstock Type:

MSW	2,223
e-Waste	0
Food	0
Glass	0
Metals	49
Paper	0
Plastics	35
Rubber	0

US\$m Value By Tech Type:

Anaerobic Digestion	20
Biofuel	0
Biogas	0
Gasification	4
Incineration (with energy recovery)	1,618
Incineration (without energy recovery)	0
Integrated/mixed facilities	365
Landfill	6
MBT	89
Other	0
Recycling	111
Waste processing	94

Source: AcuComm database, February 2017 www.acucomm.net



Poland: five year outlook

Waste investments totalling US\$1,159 million are expected to become operational over the next few years. This is expected to peak in 2018 at US\$483 million.

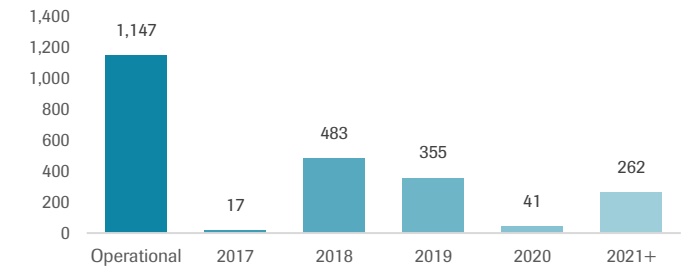
Planned additional capacity is 1.9 million tonnes, of which 716,553 tonnes is estimated for 2019.

Planned additional power generation is 396 MW, of which 282 MW is due to come into operation before 2019.

Around 50% of projects by value, and 58% by tonnage capacity, is in projects which are already operational.



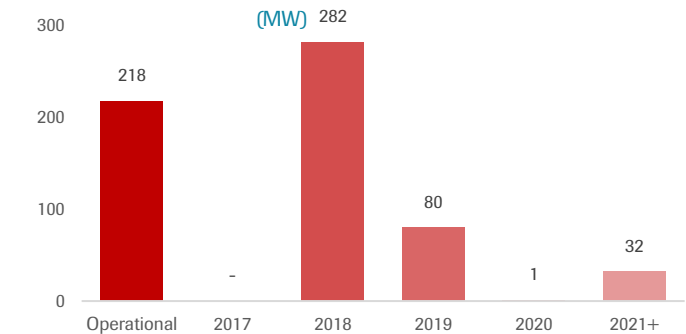
Poland, Value of Investments by Operational Date (US\$m)



Poland, Capacity of Investments by Operational Date (tonnes)



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



Poland, Projects by Date of Operational Status

	Operational	2017	2018	2019	2020	2021+
Number	15	1	4	3	2	1
<i>Of which, power-generating</i>	8	0	4	1	1	1
Value (US\$m)	1,147	17	483	355	41	262
Average Value (US\$m)	76	17	121	118	21	262
Feedstock Capacity (tonnes)	2,670,313	30,942	571,674	716,553	424,616	200,000
Average Feedstock Capacity (tonnes)	178,021	30,942	142,918	238,851	212,308	200,000
Average Tonnes Per Day Per Project	556	97	447	746	663	625
Estimated Power Generation (MW)	218	-	282	80	1	32
Average Power Generation (MW)	27	-	71	80	1	32

Source: AcuComm database, February 2017 www.acucomm.net