



# AD/Biogas New Investment Update

AcuComm reported on seven new anaerobic digestion/biogas or landfill gas projects in May 2018.

These have a combined value of US\$227 million. Estimated annual feedstock tonnage is 759,801 tonnes, and power output is 34 MW, equal to an average of 339 tonnes per day and 5 MW per project.

Sewage/wastewater was the leading feedstock type for projects reported this month, accounting for US\$74 million, equal to 33% of the total.

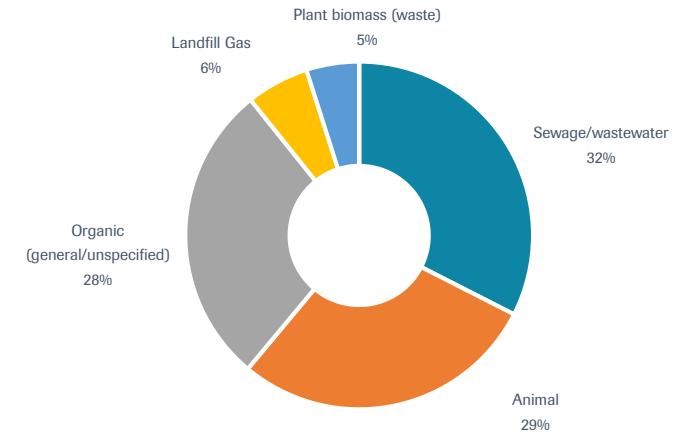
Canada was the leading country in May 2018, accounting for one project with a total value of US\$74 million.

## New AD/Biogas Projects Reported in May 2018

Project Description	Principal Waste Type	Location
<b>Opening of a landfill gas-to-energy facility.</b>	Gas	Wayne, MI, USA
<b>Development of an AD plant.</b>	Animal	Siimani, Estonia
<b>Installation of an anaerobic wastewater treatment system.</b>	Sewage/wastewater	Chilliwack, British Columbia, Canada
<b>Expansion of a biogas facility.</b>	Organic (general/unspecified)	Jepua, Finland
<b>Expansion of a biogas plant.</b>	Animal	Mors, Denmark
<b>Construction of a biogas plant.</b>	Plant biomass (waste)	Scherwiller, Bas-Rhin, France
<b>Installation of a biogas processing plant.</b>	Organic (general/unspecified)	Arcis-sur-Aube, Aube, France

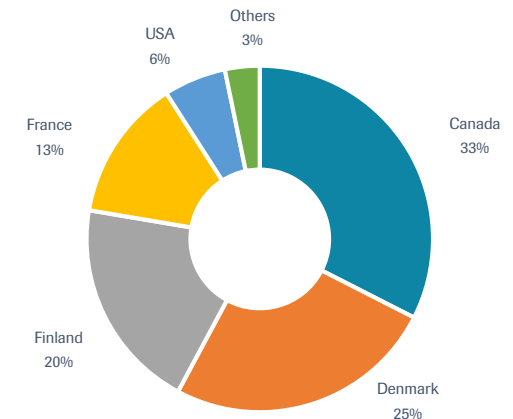
Source: AcuComm database, 31<sup>st</sup> May 2018. Click the project description for more information on each project.

## Project Values by Feedstock Type (May 2018)



Source: AcuComm database, 31<sup>st</sup> May 2018

## Leading Countries by Value (May 2018)



Source: AcuComm database, 31<sup>st</sup> May 2018



All AD/Biogas/Landfill Gas Projects Reported by Feedstock Type (June 2017 to May 2018)

	Projects	Value (US\$m)	Average Value (US\$m)	Capacity (tonnes)	Average Capacity (tonnes)	TPD	Power (MW)	Average Power (MW)
Animal	37	621	17	4,596,905	124,241	388	100	3
Food	20	238	12	784,242	39,212	123	36	2
MSW	4	147	37	370,337	92,584	289	9	2
Organic (general/unspecified)	33	546	17	1,831,303	55,494	173	101	3
Plant biomass (waste)	21	236	11	1,396,208	66,486	208	78	4
Plant biomass (non-waste)	5	46	9	237,267	47,453	148	13	3
Sewage/wastewater	34	2,628	77	1,554,415	45,718	143	125	4
Wood	-	-	-	-	-	-	-	-
Landfill Gas	11	255	23	n/a	n/a	n/a	112	10
<b>Total</b>	<b>165</b>	<b>4,716</b>	<b>29</b>	<b>10,770,679</b>	<b>65,277</b>	<b>204</b>	<b>573</b>	<b>3</b>

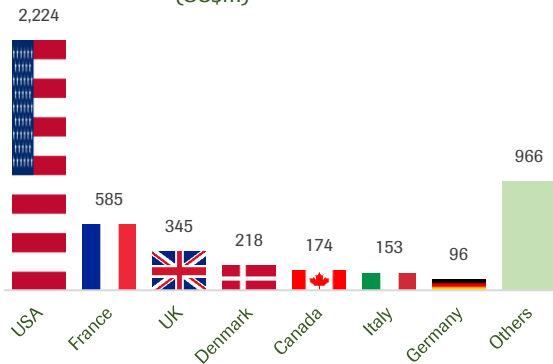
Source: AcuComm database, 31<sup>st</sup> May 2018. See [www.acucomm.net](http://www.acucomm.net) for more details

This brings the total for the twelve month period (ended May 2018) to 165 projects, worth US\$4,716 million or US\$29 million each on average.

Total feedstock capacity for these projects is 10,771 million tonnes, equal to 65,277 tonnes on average and 204 tonnes per day per project.

Total power generation is 573 MW, equal to 3 MW per project.

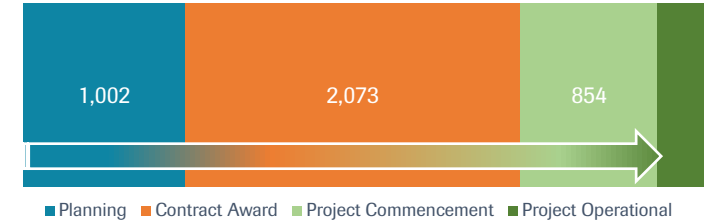
Leading Countries for AD/Biogas Investment (US\$m)



Source: AcuComm database, 31<sup>st</sup> May 2018. Opportunities exist across the world. In the last twelve months, the USA has accounted for US\$2,224 million or 47% of the total. The European market accounts for US\$1,839 million or 39%. Leading European markets are Denmark, France, Germany, France, the Netherlands and the UK.

Investments worth US\$832 million (17%) are operational, while US\$854 million (18%) are under construction. The largest proportion are in various stages of planning/contract award, at US\$3,076 million or 65% of the total.

Recent Project Values by Operational Stage (US\$m)



The heatmap to the right displays the locations of all the AD/Biogas projects currently held in the AcuComm database since 2012, where a location is known. The darker the colour the greater the overall level of investment.