Waste Business Monitor

The only source of "real time" trend data analysing global waste plant developments

AcuComm

Waste ➤ Renewables ➤ Energy ➤ Profit

ALL DATA CURRENT AT

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Complimentatry ISWA version

In this month's report…

The latest waste plant developments in January 2016

- Latest Monthly Projects by Facility Type and Feedstock
- Latest Monthly Capacity by Facility Type and Feedstock
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- Completion Date Focus

ISWA International Solid Waste Association

Essential for waste equipment manufacturers, operators and service companies

Explanatory Notes

Welcome to Waste Business Monitor.

Welcome to your complimentary issue of AcuComm's Waste Business Monitor (WBM).

WBM provides an ongoing and comprehensive analysis of current projects in the global waste industry, enabling you to establish the level of activity in the different sectors of the waste industry around the world. The data in is taken from AcuComm's Business Database. This is a database of projects compiled and maintained by us on a daily basis. The information in it – and therefore in Waste Business Monitor – is not readily available from any other source.

WBM is organised in the following sections:

The first section examines new projects reported in the latest month. It looks at the overall number and value of these, and then divides them in two ways. Each project is allocated a principal facility type, such as anaerobic digestion, gasification plant or WtE incineration plant.

Secondly, each project is allocated a principal feedstock type, such as municipal solid waste, plant biomass or food for example. Then, the waste capacity and power generation capacity of each project is examined. After this, we look at which countries are most active, and when projects are reported as being likely to complete.

I hope Waste Business Monitor is useful to you. If you have any questions or queries, or if you have a project which you would like to see included in our Business Database – free of charge – then please do get in touch

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Issue Number 017 Date of Publication February 2016

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ISWA
International Solid Waste Association

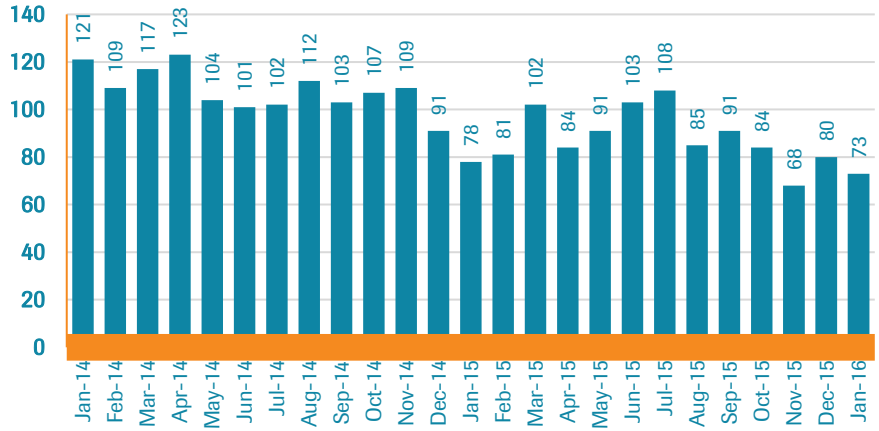
Projects This Month: January 2016

Overview

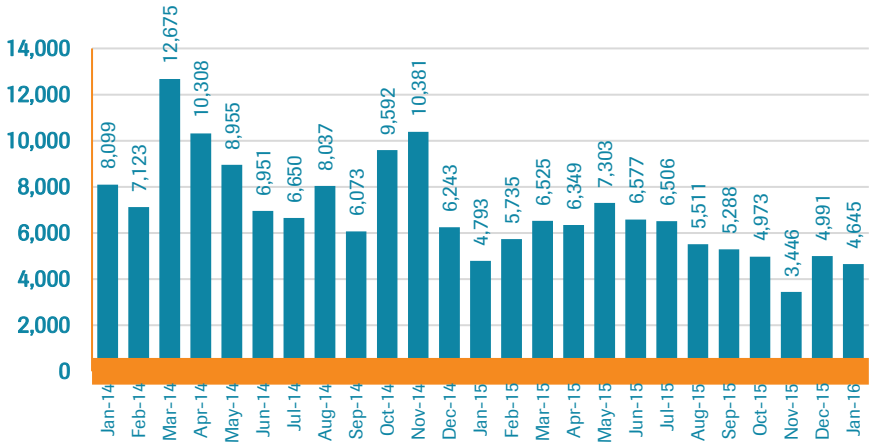
AcuComm reported on 73 new/updated waste projects in January 2016. This takes the annual number (since February 2015) to 1,050, and the total overall since January 2014 to 2,427. The database as a whole contains 3,827 active project investments.

Each new waste project represents on-going investment of an average of around US$65 million.

Number of New Projects by Month



Estimated Total Value of New Projects (US$m)



The total estimated value of these new projects is US$4,645 million. This takes the total estimated value of projects reported since February 2015 to US$68,245 million. The average estimated value of a waste project over this period is US$65 million.

Incineration with energy recovery projects form the largest number in January 2016, accounting for 16 or 21.9% of the total. This was followed by recycling projects (14 projects, or 19.2%) and anaerobic digestion (11 projects, or 15.1%).

Incineration with energy recovery is the leading facility type by estimated value, at US$1,440 million, or 31.0% of the total. This was closely followed by biofuel with US$1,380 million, or 29.7% of the total.

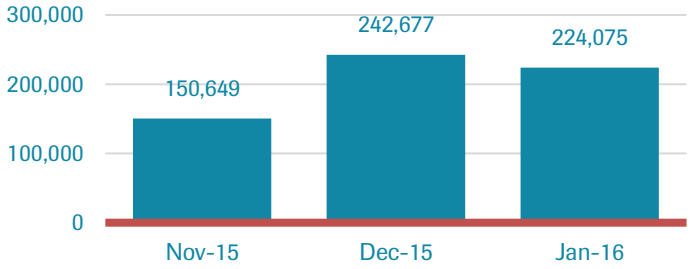
Quarterly Project Data Comparison

This page compares data on projects reported in the current month, compared with the previous two months. This provides a comparison of the most recent data, and also a quarterly total. The size of the circles in the bottom left graph represents the total estimated project values, as reported in the table on this page.

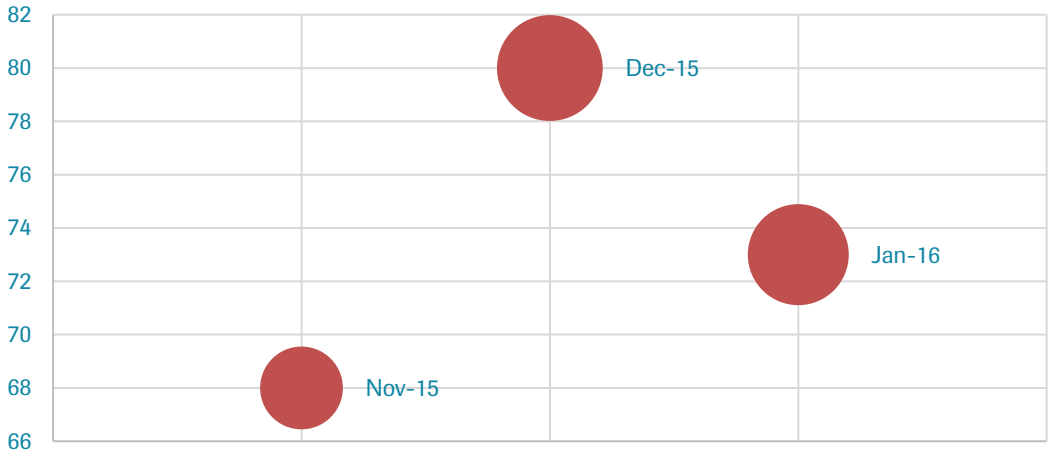
Key Indicators for November 2015 to January 2016

	Nov-15	Dec-15	Jan-16	Quarterly Total
Number of new projects	68	80	73	221
Total estimated value (US$ millions)	3,446	4,991	4,645	13,083
Average value (US$ millions)	51	62	64	59
Estimated waste capacity (tonnes)	10,244,111	19,414,192	16,357,508	46,015,811
Average annual capacity per project (tonnes)	150,649	242,677	224,075	208,216
Estimated power generation (MW)	635	1,221	1,015	2,871
Average MW per project	9	15	14	13

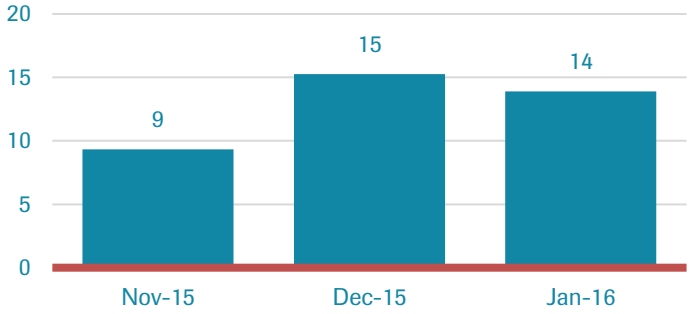
Average annual capacity per project (tonnes)



Projects by Number and Estimated US$ Value



Average MW per project



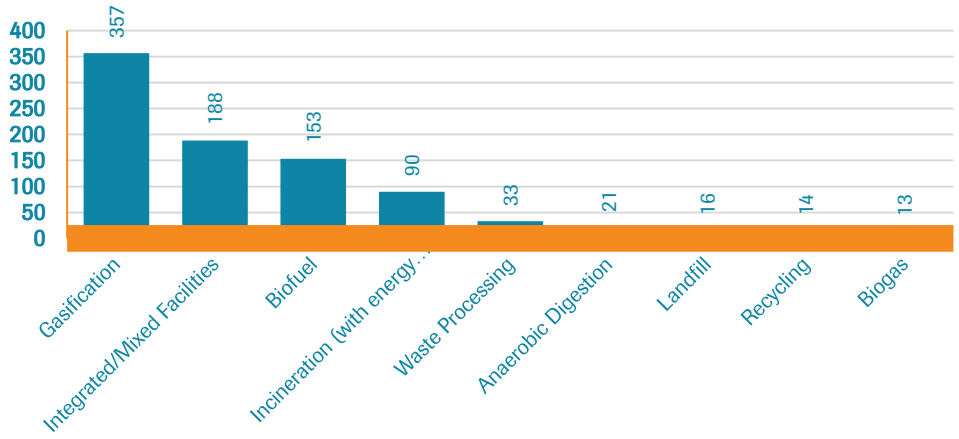
Latest Monthly Projects by Facility Type (January 2016)

	Projects	With Value (US$m)	Reported Value (US$m)	Total Estimated Value (US$m)	Average value
Anaerobic Digestion	11	7	166	231	21
Biofuel	9	7	1,012	1,380	153
Biogas	7	5	62	90	13
Gasification	2	1	520	713	357
Incineration (energy recovery)	16	7	321	1,440	90
Incineration (no energy recovery)	0	0	0	0	-
Integrated Facilities (IWMF)	1	0	0	188	188
Landfill	2	0	0	31	16
MBT	0	0	0	0	-
Recycling	14	5	44	203	14
Waste Processing	9	4	42	297	33
Others	2	1	69	71	36
Total	**73**	**37**	**2,237**	**4,645**	**64**

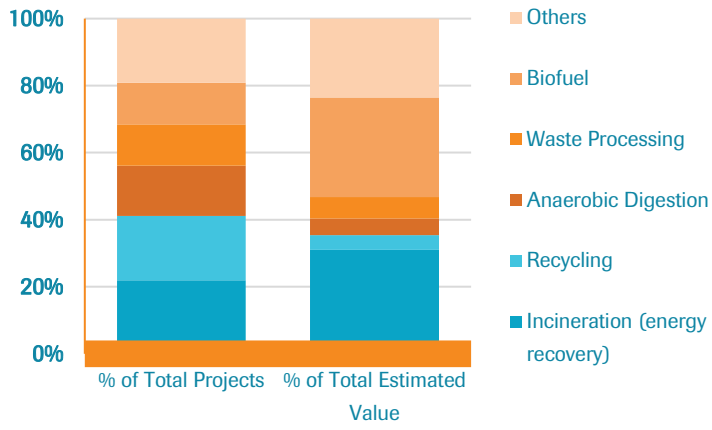
Latest Monthly Projects by Facility Type % of Total (January 2016)

	% of Total Projects	% of Total Estimated Value
Anaerobic Digestion	15.1	5.0
Biofuel	12.3	29.7
Biogas	9.6	1.9
Gasification	2.7	15.4
Incineration (energy recovery)	21.9	31.0
Incineration (no energy recovery)	0.0	0.0
Integrated Facilities (IWMF)	1.4	4.1
Landfill	2.7	0.7
MBT	0.0	0.0
Recycling	19.2	4.4
Waste Processing	12.3	6.4
Others	2.7	1.5
Total	**100.0**	**100.0**

Average Value of Projects, Jan 2016 (US$m)



Projects By Facility Type, Jan 2016



In terms of waste feedstock type, MSW was the leading category in January 2016. MSW accounted for 20 projects (27.4% of the total) with an estimated value of US$2,237 million (48.2% of the total).

Plant biomass was the other principal feedstock in January 2016. This accounted for eight projects, equal to US$1,061 million or 22.8% of the estimated value.

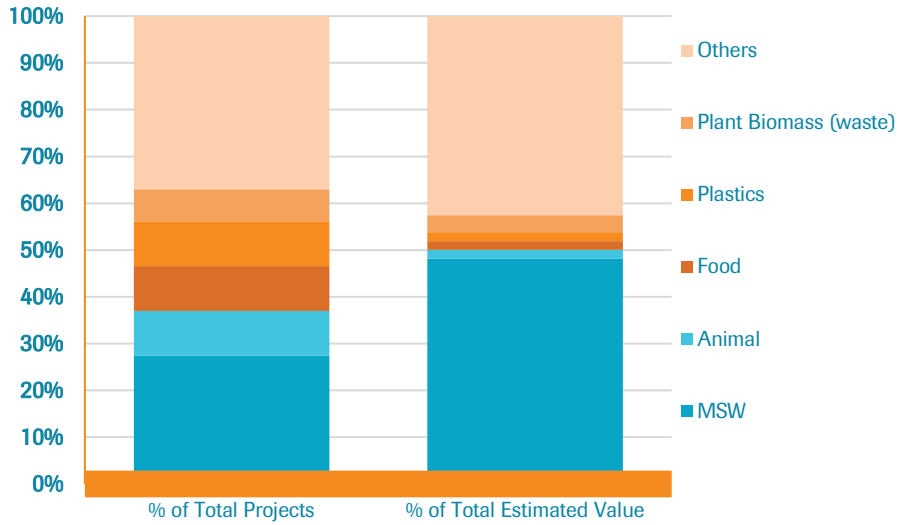
Latest Monthly Projects by Feedstock Type (January 2016)

	Projects	With Value (US$m)	Reported Value (US$m)	Total Estimated Value (US$m)	Average value (US$m)
Animal	7	3	24	88	13
Clinical	0	0	0	-	-
Construction/Demolition	2	0	0	12	6
e-Waste	1	0	0	22	22
Food	7	6	113	120	17
Gas	3	1	44	76	25
Glass	0	0	0	-	-
Hazardous	0	0	0	-	-
Heat	0	0	0	-	-
Industrial	2	0	0	164	82
Metals	0	0	0	-	-
MSW	20	7	794	2,237	112
Oil	3	2	78	108	36
Organic (general/unspecified)	3	0	0	374	125
Paper	1	0	0	2	2
Plant Biomass (non-waste)	3	2	762	893	298
Plant Biomass (waste)	5	5	168	168	34
Plastics	7	4	31	67	10
Radioactive	0	0	0	-	-
Rubber	0	0	0	-	-
Sewage/wastewater	4	4	83	83	21
Wood	3	2	70	145	48
Other	2	1	69	86	43
Total	**73**	**37**	**2,237**	**4,645**	**64**

Latest Monthly Projects by Feedstock Type (% of Total)

	% of Total Projects	% of Total Estimated Value
Animal	9.6	1.9
Clinical	-	-
Construction/Demolition	2.7	0.3
e-Waste	1.4	0.5
Food	9.6	2.6
Gas	4.1	1.6
Glass	-	-
Hazardous	-	-
Heat	-	-
Industrial	2.7	3.5
Metals	-	-
MSW	27.4	48.2
Oil	4.1	2.3
Organic (general/unspecified)	4.1	8.1
Paper	1.4	-
Plant Biomass (non-waste)	4.1	19.2
Plant Biomass (waste)	6.8	3.6
Plastics	9.6	1.4
Radioactive	-	-
Rubber	-	-
Sewage/wastewater	5.5	1.8
Wood	4.1	3.1
Other	2.7	1.9
Total	**100.0**	**100.0**

Projects By Feedstock Type, January 2016



General municipal waste accounts for a significant part of waste throughput, although it is by no means the only feedstock.

Latest Monthly Capacity

For the 73 projects listed in January 2016, AcuComm estimates total waste capacity to be 16.3 million tonnes. This is equal to an average of 230,387 tonnes per project, and an average of 720 tonnes per day per project.

WtE incineration was the largest facility type in terms of capacity, amounting to 5.2 million tonnes, or 32.0% of the total. This was followed by biofuel with 4.2 million tonnes (25.7%).

WtE incineration represented 32% of estimated new/updated capacity in January 2016. The largest is a major proposed new plant in Shenzhen, China.

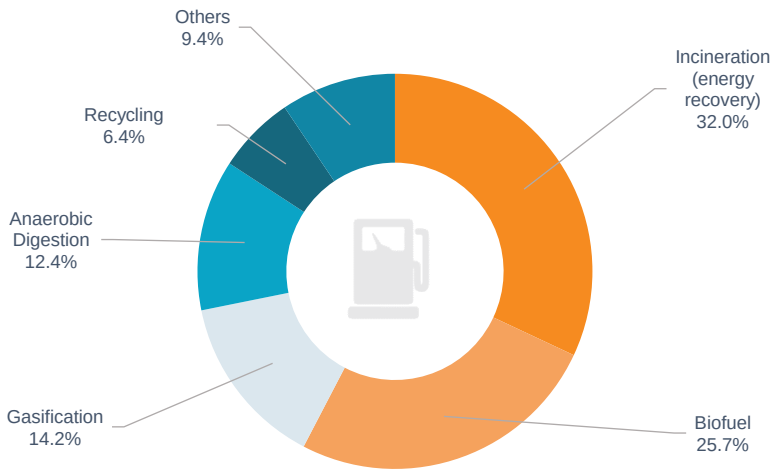
Estimated Waste Capacity of Projects Listed by Facility Type (January 2016)

	Projects	Estimated Annual Capacity (tonnes)	Average Annual Capacity (tonnes)	Average Tonnes Per Day
Anaerobic Digestion	11	2,021,905	183,810	574
Biofuel	9	4,200,083	466,676	1,458
Biogas	7	226,677	32,382	101
Gasification	2	2,320,000	1,160,000	3,625
Incineration (energy recovery)	16	5,229,972	326,873	1,021
Incineration (no energy recovery)	0	0	-	-
Integrated Facilities (IWMF)	1	274,108	274,108	857
Landfill	2	0	-	-
MBT	0	0	-	-
Recycling	14	1,042,387	74,456	233
Waste Processing	9	921,658	102,406	320
Others	2	120,719	60,360	189
Total	**73**	**16,357,508**	**230,387**	**720**

Estimated Capacity by Facility Type, % of Total (January 2016)

	% of Total Reported Capacity
Anaerobic Digestion	12.4
Biofuel	25.7
Biogas	1.4
Gasification	14.2
Incineration (energy recovery)	32.0
Incineration (no energy recovery)	-
Integrated Facilities (IWMF)	1.7
Landfill	-
MBT	-
Recycling	6.4
Waste Processing	5.6
Others	0.7
Total	**100.0**

% Capacity by Facility Type, January 2016



MSW accounted for just over 8.0 million tonnes of capacity in January 2016, equal to 49.0% of the total, and an average of 1,252 tonnes per day. The other major feedstock categories were plant biomass and animal waste.

Latest Monthly Projects by Feedstock Type (January 2016)

	Projects	Annual Capacity (tonnes)	Average Annual Capacity (tonnes)	Average Tonnes Per Day
Animal	7	1,495,583	213,655	668
Clinical	0	0	-	-
Construction/Demolition	2	198,000	99,000	309
e-Waste	1	55,015	55,015	172
Food	7	364,560	52,080	163
Gas	3	357,676	357,676	1,118
Glass	0	0	-	-
Hazardous	0	0	-	-
Heat	0	0	-	-
Industrial	2	262,128	131,064	410
Metals	0	0	-	-
MSW	20	8,011,720	400,586	1,252
Oil	3	145,011	48,337	151
Organic (general/unspecified)	3	374,719	124,906	390
Paper	1	20,000	20,000	63
Plant Biomass (non-waste)	3	2,244,973	748,324	2,339
Plant Biomass (waste)	5	1,748,809	349,762	1,093
Plastics	7	233,033	33,290	104
Radioactive	0	0	-	-
Rubber	0	0	-	-
Sewage/wastewater	4	376,932	94,233	294
Wood	3	433,349	144,450	451
Other	2	36,000	18,000	56
Total	**73**	**16,357,508**	**230,387**	**720**

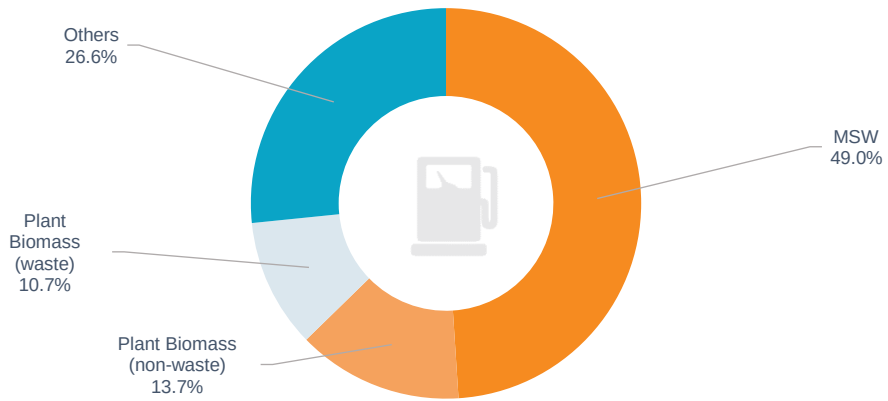
Shenzhen Energy Group has announced plans for what it claims will be the world's largest WtE incineration facility, in Shenzhen, China.

Click map for full details

Reported Capacity by Feedstock, % of Total (January 2016)

	Capacity as % of Total
Animal	9.1
Clinical	-
Construction/Demolition	1.2
e-Waste	0.3
Food	2.2
Gas	2.2
Glass	-
Hazardous	-
Heat	-
Industrial	1.6
Metals	-
MSW	49.0
Oil	0.9
Organic (general/unspecified)	2.3
Paper	0.1
Plant Biomass (non-waste)	13.7
Plant Biomass (waste)	10.7
Plastics	1.4
Radioactive	-
Rubber	-
Sewage/wastewater	2.3
Wood	2.6
Other	0.2
Total	**100.0**

% Capacity by Feedstock, January 2016



Municipal Solid Waste accounted for 49.0% of waste capacity in projects covered in the Business Finder database in January 2016.

Latest Power Generation

In January 2016, estimated annual power generation amounted to 1,015 MW in total. 51.2% of this was from WtE incineration with most of the remainder coming from biofuel, worth 32.9% of the total.

Incineration amounted to 16 projects with total estimated generation of 519 MW, equal to 35 MW per plant. Biofuels amounted to eight projects, with total estimated output of 334 MW, or 42 MW per plant.

WtE incineration, whether standalone or as part of an integrated facility, continued to dominate the reported power generation of projects in January 2016.

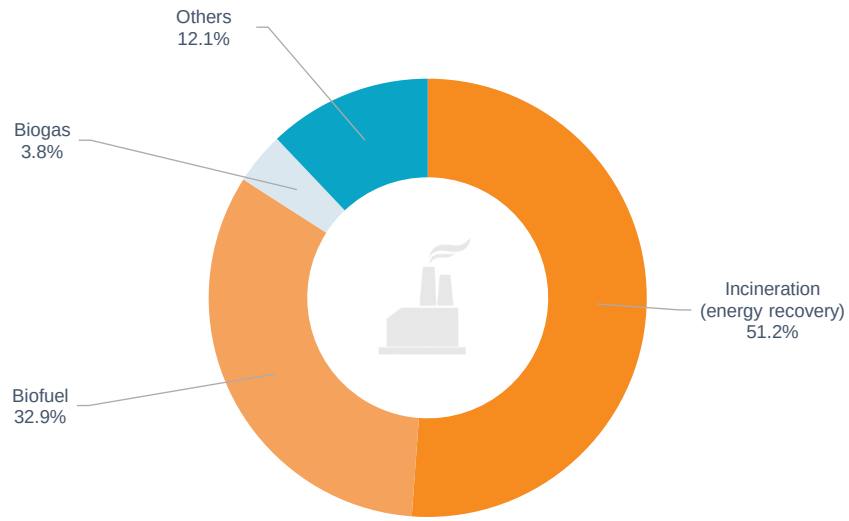
Estimated Power Generation of Projects Listed by Facility Type (January 2016)

	Projects	With Reported MW Generation	Estimated Annual MW Generation	Average MW Generation
Anaerobic Digestion	11	11	33	3
Biofuel	9	8	334	42
Biogas	7	7	39	6
Gasification	2	2	53	27
Incineration (energy recovery)	16	15	519	35
Incineration (no energy recovery)	0	0	0	-
Integrated Facilities (IWMF)	1	1	18	18
Landfill	2	2	13	6
MBT	0	0	0	-
Recycling	14	0	0	-
Waste Processing	9	0	0	-
Others	2	1	6	6
Total	**73**	**47**	**1,015**	**22**

Latest Estimated Power Generation by Facility Type, % of Total (January 2016)

	% of Total Projects
Anaerobic Digestion	3.2
Biofuel	32.9
Biogas	3.8
Gasification	5.3
Incineration (energy recovery)	51.2
Incineration (no energy recovery)	-
Integrated Facilities (IWMF)	1.7
Landfill	1.3
MBT	-
Recycling	-
Waste Processing	-
Others	0.6
Total	**100.0**

% MW Generation by Facility Type, Jan 2016



In January 2016, 51.2% of proposed power generation was through incineration, principally using wood, plant biomass and MSW as feedstocks.

Latest Estimated Power Generation of Projects Listed by Feedstock Type (January 2016)

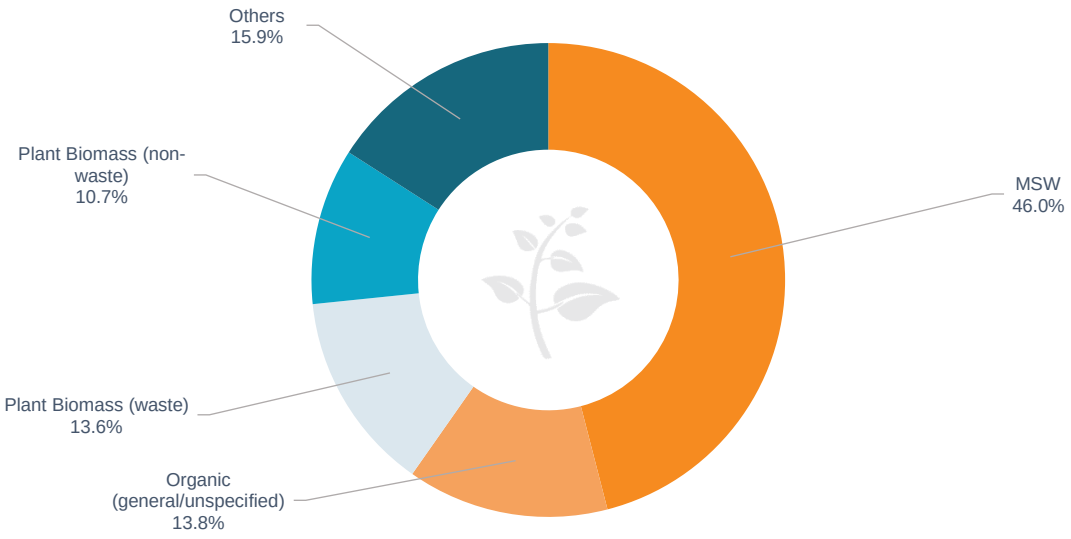
	Projects	With Reported MW Generation	Estimated MW Generation	Average MW Generation
Animal	7	5	21	4
Clinical	0	0	0	-
Construction/Demolition	2	0	0	-
e-Waste	1	0	0	-
Food	7	6	17	3
Gas	3	2	13	6
Glass	0	0	0	-
Hazardous	0	0	0	-
Heat	0	0	0	-
Industrial	2	0	0	-
Metals	0	0	0	-
MSW	20	13	467	36
Oil	3	2	32	16
Organic (general/unspecified)	3	3	140	47
Paper	1	0	0	-
Plant Biomass (non-waste)	3	3	108	36
Plant Biomass (waste)	5	5	138	28
Plastics	7	0	0	-
Radioactive	0	0	0	-
Rubber	0	0	0	-
Sewage/wastewater	4	4	11	3
Wood	3	3	62	21
Other	2	1	6	6
Total	**73**	**47**	**1,015**	**22**

Latest Estimated Power Generation by Feedstock Type, % of Total (January 2016)

	MW Generation as % of Total
Animal	2.1
Clinical	-
Construction/Demolition	-
e-Waste	-
Food	1.6
Gas	1.3
Glass	-
Hazardous	-
Heat	-
Industrial	-
Metals	-
MSW	46.0
Oil	3.2
Organic (general/unspecified)	13.8
Paper	-
Plant Biomass (non-waste)	10.7
Plant Biomass (waste)	13.6
Plastics	-
Radioactive	-
Rubber	-
Sewage/wastewater	1.1
Wood	6.1
Other	0.6
Total	**100.0**

Biomass and wood-based materials - whether waste products or grown specially - are increasingly being used as a fuel for providing domestic power for heat and light.

% MW Generation by Feedstock Type, January 2016



Latest Country Focus

The USA was the leading country in January 2016 in terms of new projects reported, with 11 in total. This was followed by the UK with 10 and Thailand with eight.

In terms of estimated value, Brazil was the leader, with US$762 million or 16.4% of the total. This was followed by India with US$565 million or 12.2%, and Vietnam with US$520 million or 11.2%.

Significant waste investments occur not only in developed markets, but across the developing world.

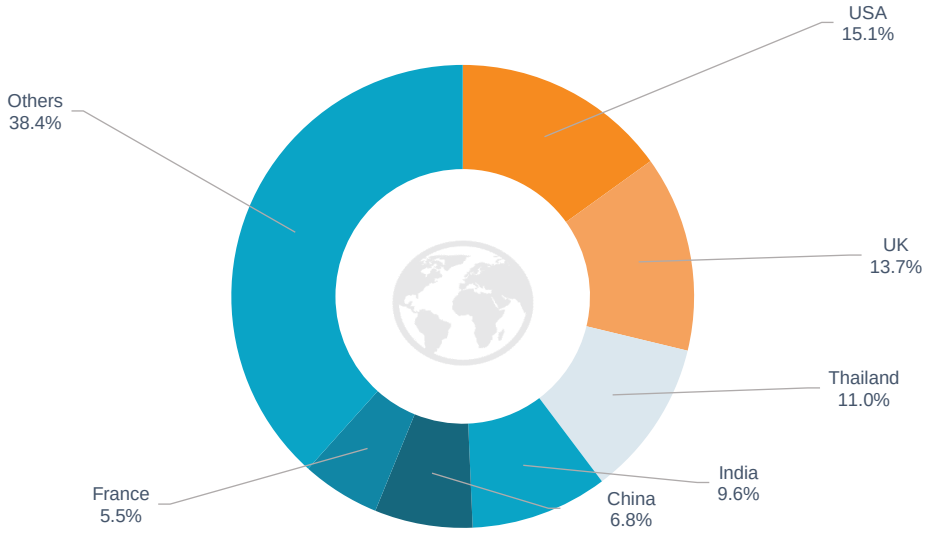
Top Ten Countries (number of projects listed), January 2016

	Projects	% of Total
USA	11	15.1
UK	10	13.7
Thailand	8	11.0
India	7	9.6
China	5	6.8
France	4	5.5
Japan	3	4.1
Spain	3	4.1
Ireland	3	4.1
Brazil	2	2.7
Subtotal	**56**	**76.7**
Others	17	23.3
Total	**73**	**100.0**

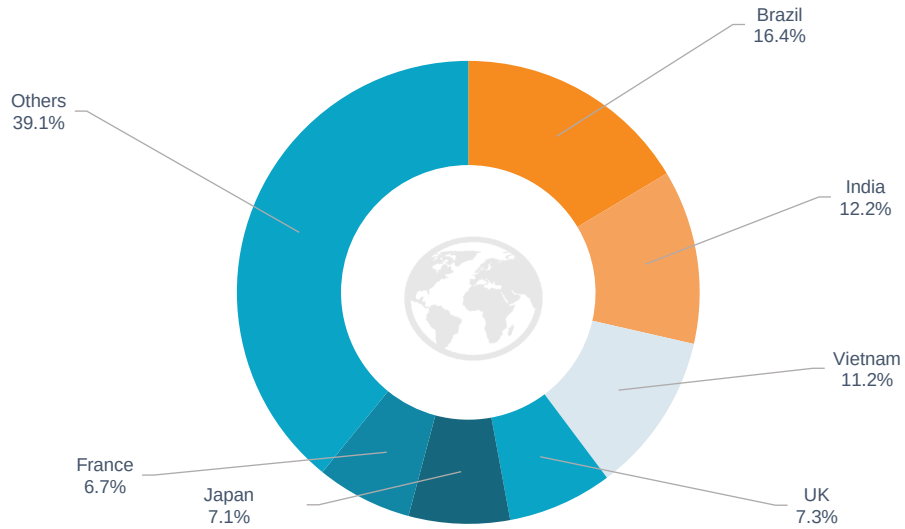
Top Ten Countries (estimated value of projects listed), January 2016

	US$ millions	% of Total
Brazil	762	16.4
India	565	12.2
Vietnam	520	11.2
UK	340	7.3
Japan	328	7.1
France	311	6.7
China	300	6.5
USA	275	5.9
Thailand	272	5.9
Spain	189	4.1
Subtotal	**3,863**	**83.2**
Others	782	16.8
Total	**4,645**	**100.0**

Leading Countries, Number of Projects, January 2016



Leading Countries, Value of Projects, January 2016



Operational Date Focus

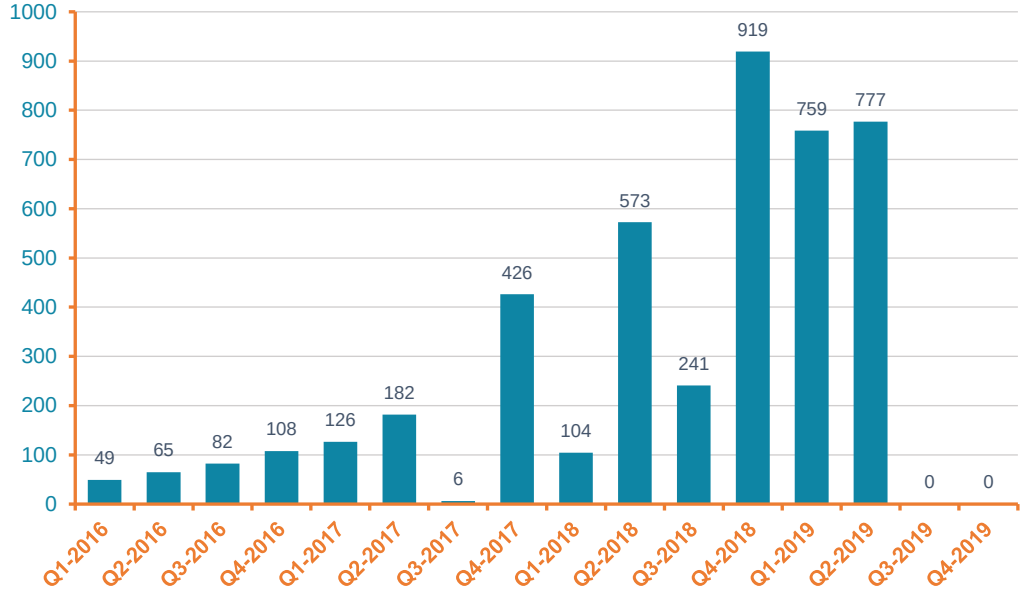
Of the 73 projects reported on in January 2016, nine are already in operation, valued at US$228 million. A further 17 are estimated to become operational in 2016, worth a total of US$304 million. For 2017, 17 projects are expected to become operational, worth US$740 million.

Once work starts, the average project takes around 18 months to become operational. Most, however have on-going operational requirements for much longer.

Projects by Estimated Operational Date (January 2016)

	Number of Projects	Value (US$ millions)
Already operational	9	228
Q4-2015	0	-
Q1-2016	4	49
Q2-2016	6	65
Q3-2016	1	82
Q4-2016	6	108
Q1-2017	3	126
Q2-2017	4	182
Q3-2017	1	6
Q4-2017	9	426
Q1-2018	7	104
Q2-2018	8	573
Q3-2018	3	241
Q4-2018	3	919
2019+	9	1,536

Estimated Value of Investments by Operational Date, 2016-2020 (US$ millions)



Latest Monthly Project Listings, January 2016

Country	Summary	Link
Austria	Installation of a biomass system.	http://www.acucomm.net/business-finder/3896
Austria	Construction of a biomass plant.	http://www.acucomm.net/business-finder/3897
Belarus	Construction of a 20 MW biomass plant.	http://www.acucomm.net/business-finder/3899
Brazil	Development of a corn-based ethanol plant.	http://www.acucomm.net/business-finder/3881
Brazil	Development of a R$30 million biodiesel plant.	http://www.acucomm.net/business-finder/3938
Canada	Establishment of a mixed waste materials recovery facility.	http://www.acucomm.net/business-finder/3874
China	Construction of the world's largest WtE facility.	http://www.acucomm.net/business-finder/3885
China	Construction of a 25 MW WtE plant and associated leachate treatment facility.	http://www.acucomm.net/business-finder/3901
China	Construction of a 200 tpd food waste treatment plant.	http://www.acucomm.net/business-finder/3902
China	Expansion of an industrial effluent treatment plant.	http://www.acucomm.net/business-finder/3945
China	WtE facility construction - Phase III.	http://www.acucomm.net/business-finder/3949
Colombia	Biodiesel plant formally begins operations.	http://www.acucomm.net/business-finder/3884
Côte d'Ivoire	Proposed development of an oil residue recycling plant.	http://www.acucomm.net/business-finder/3926
Croatia	1.1 MW biomass district heating system.	http://www.acucomm.net/business-finder/3898
Denmark	Construction of a biogas plant at wastewater treatment facility.	http://www.acucomm.net/business-finder/3942
France	Construction of a landfill gas plant and district heating network.	http://www.acucomm.net/business-finder/3876
France	Construction of a 41 MW biomass plant.	http://www.acucomm.net/business-finder/3889
France	Construction of an integrated waste management facility.	http://www.acucomm.net/business-finder/3947
France	Construction of an MRF & composting facility.	http://www.acucomm.net/business-finder/3948
Hong Kong	Construction of a community recycling facility.	http://www.acucomm.net/business-finder/3927
India	Construction of a bioethanol plant using waste wheat as feedstock.	http://www.acucomm.net/business-finder/3878
India	Conversion of coal-fired energy plant to WtE facility.	http://www.acucomm.net/business-finder/3882
India	Construction of an 11.5 MW WtE plant.	http://www.acucomm.net/business-finder/3893
India	Construction of a biogas plant at a vegetable market.	http://www.acucomm.net/business-finder/3894
India	Rehabilitation and upgrading of an effluent treatment plant.	http://www.acucomm.net/business-finder/3915
India	Development of a 15 tpd waste plastic-to-fuel plant.	http://www.acucomm.net/business-finder/3924
India	Construction of a waste-to-energy plant.	http://www.acucomm.net/business-finder/3930

Latest Monthly Project Listings, January 2016 (cont.)

Country	Summary	Link
Ireland	Construction of a 4 MW biomass facility.	http://www.acucomm.net/business-finder/3908
Ireland	Construction of a 4 MW biomass facility.	http://www.acucomm.net/business-finder/3909
Ireland	Installation of PET recycling line.	http://www.acucomm.net/business-finder/3910
Italy	Construction of facility for producing bioplastic from glycerol.	http://www.acucomm.net/business-finder/3903
Japan	Construction of an aviation biofuel plant.	http://www.acucomm.net/business-finder/3914
Japan	Construction of an aviation biofuel demonstration plant.	http://www.acucomm.net/business-finder/3916
Japan	Refurbishment of a 3.5 MW WtE facility.	http://www.acucomm.net/business-finder/3940
Kenya	Proposed development of a waste-to-energy facility.	http://www.acucomm.net/business-finder/3946
Macedonia	Opening of a 3 MW biogas plant.	http://www.acucomm.net/business-finder/3935
Malta	Development of an animal waste treatment plant.	http://www.acucomm.net/business-finder/3905
Netherlands	Construction of an incinerator bottom ash washing plant.	http://www.acucomm.net/business-finder/3911
Philippines	Construction of an AD plant.	http://www.acucomm.net/business-finder/3936
Spain	Installation of robot to improve collection of recoverable material.	http://www.acucomm.net/business-finder/3886
Spain	Development of an energy recovery plant.	http://www.acucomm.net/business-finder/3887
Spain	Construction of a biogas facility.	http://www.acucomm.net/business-finder/3943
Sweden	New biofuel plant opened at port.	http://www.acucomm.net/business-finder/3875
Thailand	Proposal to establish a 200,000 litres per day ethanol plant.	http://www.acucomm.net/business-finder/3917
Thailand	Development a 5.85 MW biogas plant.	http://www.acucomm.net/business-finder/3918
Thailand	Development of a 10.6 MW biogas plant.	http://www.acucomm.net/business-finder/3919
Thailand	Development of 1.5 MW biogas plant.	http://www.acucomm.net/business-finder/3920
Thailand	Development of various waste-to-energy facilities.	http://www.acucomm.net/business-finder/3921
Thailand	Development of a waste plastic recycling plant.	http://www.acucomm.net/business-finder/3922
Thailand	Development of a waste plastic recycling plant.	http://www.acucomm.net/business-finder/3923
Thailand	Development of 3.0 MW biogas plant.	http://www.acucomm.net/business-finder/3933
UK	Development of a 0.5 MW AD plant.	http://www.acucomm.net/business-finder/3877
UK	Construction of a gypsum recycling plant.	http://www.acucomm.net/business-finder/3890
UK	Construction of a WtE facility.	http://www.acucomm.net/business-finder/3892

Latest Monthly Project Listings, January 2016 (cont.)

Country	Summary	Link
UK	Construction of a carpet fibre recycling facility.	http://www.acucomm.net/business-finder/3895
UK	Construction of a 3 MW biomass facility.	http://www.acucomm.net/business-finder/3906
UK	Installation of C&D recycling system.	http://www.acucomm.net/business-finder/3907
UK	Development of a waste transfer station and RDF processing facility.	http://www.acucomm.net/business-finder/3913
UK	Construction of an AD plant.	http://www.acucomm.net/business-finder/3925
UK	Construction of a 2 MW AD plant.	http://www.acucomm.net/business-finder/3928
UK	Construction of a 74,576 tpa waste transfer station.	http://www.acucomm.net/business-finder/3934
USA	Opening of a US$13 million material recovery facility.	http://www.acucomm.net/business-finder/3879
USA	Plan to develop a resource recovery facility at sewage treatment facility.	http://www.acucomm.net/business-finder/3880
USA	Biosolids upgrade and improvement project at wastewater plant.	http://www.acucomm.net/business-finder/3883
USA	Construction of a waste plastics-to-fuel facility.	http://www.acucomm.net/business-finder/3888
USA	Installation of anaerobic digestion equipment at a wastewater plant.	http://www.acucomm.net/business-finder/3891
USA	Expansion of an ethanol facility.	http://www.acucomm.net/business-finder/3900
USA	Establishment of a plastics recycling facility.	http://www.acucomm.net/business-finder/3904
USA	Construction of up to two high diversion material recycling facilities.	http://www.acucomm.net/business-finder/3912
USA	Development of a transfer station for baling recycled materials.	http://www.acucomm.net/business-finder/3929
USA	Expansion of a college recycling facility.	http://www.acucomm.net/business-finder/3941
USA	Expansion of a landfill gas treatment and compression facility.	http://www.acucomm.net/business-finder/3944
Vietnam	Development of a gasification WtE plant.	http://www.acucomm.net/business-finder/3939

Top Five Projects in January 2016, by Estimated Value (US$ millions)

1	Brazil	750	Development of a corn-based ethanol plant.
2	Vietnam	520	Development of a gasification WtE plant.
3	Japan	238	Construction of an aviation biofuel demonstration plant.
4	UK	193	Construction of a WtE facility.
5	France	188	Construction of an MRF & composting facility.

Top Five Projects in January 2016, by Reported Waste Capacity (tonnes)

1	Vietnam	1,825,000	Development of a gasification WtE plant.
2	China	1,825,000	Construction of the world's largest WtE facility.
3	UK	495,000	Construction of a WtE facility.
4	India	365,000	Construction of an 11.5 MW WtE plant.
5	China	365,000	Construction of a 25 MW WtE plant and associated leachate treatment facility.

Top Five Projects in January 2016, by Reported Power Generation (MW)

1	China	160	Construction of the world's largest WtE facility.
2	France	41	Construction of a 41 MW biomass plant.
3	China	25	Construction of a 25 MW WtE plant and associated leachate treatment facility.
4	Belarus	20	Construction of a 20 MW biomass plant.
5	Spain	15	Construction of a biogas facility.

Click the flag for more information on each project