

Biogas power plants (up to 2MW and in accordance with Cabinet rules No 262)

Name of the merchant		
Address of the power plant		
Cabinet rules applicable for the support		262
Start date of the support period (year and month)	2010	7
End date of the support period (year and month)	2030	6
Installed electrical capacity (net)	MW	0,5
Investment, in total	EUR	2 000 000
Investment for the connection to the transminion system	EUR	0
Support from funds	EUR	853 723
Installed thermal capacity (net)	MW	0,5432
Efficiency coefficient of the station	%	75%

Benchmarks applicable to the power plant

Specific investment	Working hours (starting from 2017.g)	Workload	Operational and other operating costs	k coefficient	Natural gas consumption group	Landfill gas station?
EUR/kWe	h	sk.	%			Yes/No (JA/NĒ)
4000	6800	3	6,7%	1,086	4	Nē

Calculation of IRR (before application of overcompensation coefficient)		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Year					0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Year of the project																										
Month																										
Revenue, in total						211 808	424 260	598 118	561 468	625 624	681 058	681 276	715 584	751 686	753 127	684 762	616 420	617 530	618 640	619 774	620 931	622 112	623 316	555 322	555 322	277 661
Revenue from the sale of electricity within the scope of MP	EUR					204 170	408 340	561 468	561 468	612 510	663 553	663 553	694 178	694 178	694 178	624 750	555 322	555 322	555 322	555 322	555 322	555 322	555 322	555 322	555 322	277 661
Amount of the electricity sold	MW					1 000	2 000	2 750	2 750	3 000	3 250	3 250	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	1 700
Price for the electricity	EUR/MWh					204,17	204,17	204,17	204,17	204,17	204,17	204,17	204,17	204,17	204,17	183,75	163,33	163,33	163,33	163,33	163,33	163,33	163,33	163,33	163,33	163,33
Subsidised electricity tax to be filled with the actual rate per month	%																									
Revenue from the sale of the heat	EUR					7 638	15 920	36 650	36 650	43 739	50 683	50 901	56 115	57 508	58 949	60 012	61 098	62 208	63 318	64 452	65 609	66 790	67 994	69 223	70 474	35 875
Support from funds	EUR				512 234	341 489	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Costs, in total	EUR					147 551	307 125	363 248	363 644	384 200	403 524	405 004	422 584	432 610	442 918	450 902	459 030	467 340	475 702	484 248	492 942	501 822	510 888	520 070	529 476	269 518
Personnel costs	EUR					20 574	42 480	44 532	44 928	47 160	49 644	49 644	50 256	51 012	51 768	52 704	53 640	54 612	55 584	56 592	57 600	58 644	59 724	60 768	61 884	31 500
Operational and other operating costs	EUR					67 000	139 628	142 839	143 839	143 839	144 127	144 704	147 598	151 288	155 070	157 861	160 702	163 595	166 540	169 538	172 589	175 696	178 858	182 078	185 355	94 346
Price of the fuel	EUR/MWh					21,56	22,47	22,99	22,99	23,15	23,20	23,30	23,76	24,35	24,96	25,41	25,87	26,34	26,81	27,29	27,78	28,28	28,79	29,31	29,84	30,38
Fuel expenses	EUR					59 977	125 017	175 877	175 877	193 201	209 753	210 657	224 730	230 311	236 080	240 337	244 687	249 133	253 578	258 118	262 753	267 482	272 306	277 224	282 237	143 672
Net Cash Flow	EUR					405 746	117 135	234 870	234 474	241 424	277 534	276 272	293 000	319 076	310 209	233 860	157 390	150 190	142 938	135 526	127 989	120 290	112 428	104 475	96 320	44 018
Net Cash Flow and investment					-1 487 766	405 746	117 135	234 870	234 474	241 424	277 534	276 272	293 000	319 076	310 209	233 860	157 390	150 190	142 938	135 526	127 989	120 290	112 428	104 475	96 320	44 018
IRR						-72,7%	-55,2%	-29,6%	-15,4%	-6,2%	0,5%	4,9%	8,1%	10,6%	12,3%	13,3%	13,9%	14,3%	14,6%	14,9%	15,1%	15,2%	15,3%	15,4%	15,5%	15,5%

Coefficient of overcompensation	0,743
Coefficient of overcompensation applicable from:	20173
IRR before application of overcompensation coefficient	15,54%
IRR after application of overcompensation coefficient	9,00%

Calculation of IRR (after application of overcompensation coefficient)		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Year					0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Year of the project																										
Month																										
Revenue, in total						211 808	424 260	598 118	561 468	625 624	681 058	681 276	574 514	573 492	574 933	524 384	473 854	474 968	476 078	477 212	478 369	479 550	480 754	412 760	412 760	206 380
Revenue from the sale of electricity within the scope of MP	EUR					204 170	408 340	561 468	561 468	612 510	663 553	663 553	545 683	515 984	515 984	464 372	412 760	412 760	412 760	412 760	412 760	412 760	412 760	412 760	412 760	206 380
Amount of the electricity sold	MW					1 000	2 000	2 750	2 750	3 000	3 250	3 250	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	3 400	1 700
Price for the electricity	EUR/MWh					204,17	204,17	204,17	204,17	204,17	204,17	204,17	160,49	151,76	151,76	136,58	121,40	121,40	121,40	121,40	121,40	121,40	121,40	121,40	121,40	121,40
Subsidised electricity tax	%																									
Revenue from the sale of the heat	EUR					7 638	15 920	36 650	36 650	43 739	50 683	50 901	56 115	57 508	58 949	60 012	61 098	62 208	63 318	64 452	65 609	66 790	67 994	69 223	70 474	35 875
Support from funds	EUR				512 234	341 489	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Costs, in total	EUR					147 551	307 125	363 248	363 644	384 200	403 524	405 004	422 584	432 610	442 918	450 902	459 030	467 340	475 702	484 248	492 942	501 822	510 888	520 070	529 476	269 518
Personnel costs	EUR					20 574	42 480	44 532	44 928	47 160	49 644	49 644	50 256	51 012	51 768	52 704	53 640	54 612	55 584	56 592	57 600	58 644	59 724	60 768	61 884	31 500
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Net Cash Flow	EUR					405 746	117 135	234 870	234 474	241 424	277 534	276 272	151 930	140 882	132 015	73 482	14 828	7 628	376	-7 036	-14 573	-22 272	-30 134	-38 087	-46 242	-27 263
Net Cash Flow and investment					-1 487 766	405 746	117 135	234 870	234 474	241 424	277 534	276 272	151 930	140 882	132 015	73 482	14 828	7 628	376	-7 036	-14 573	-22 272	-30 134	-38 087	-46 242	-27 263
IRR						-72,7%	-55,2%	-29,6%	-15,4%	-6,2%	0,5%	4,9%	6,7%	8,0%	9,0%	9,5%	9,6%	9,6%	9,6%	9,6%	9,5%	9,4%	9,3%	9,2%	9,1%	9,0%