

WEEE Statistics 2007

Denmark

List of Contents:

Preface	3
Municipal data	4
Table 1. Registered municipal collection sites	4
Table 2. Municipal collection sites total	6
Table 3. Municipalities without collection sites.....	6
Table 4. Collection equipment per fraction and total.....	6
Producer data	7
Table 5. Producers and importers in the WEEE register.....	7
Table 6. Producers and importers cancelled from the WEEE register.....	7
Table 7. New producers and importers entered in the WEEE register.....	7
Table 8. Producers and importers per category and end user.....	8
Volumes	9
Table 9. Electronic equipment put on the market	9
Figure 1. Electronic equipment put on the market.....	10
Figure 2. Electronic equipment put on the market, total	10
Table 10. Collected WEEE	11
Table 10a. Sharing key for conversion of fraction 2 into categories	12
Figure 3. Collected WEEE	13
Figure 4. Collected WEEE, total	14
Table 11. Geographical location of first treatment of WEEE	15
Figure 5. Geographical location of first treatment of WEEE.....	16
Figure 6. Geographical location of first treatment of WEEE, total.....	16
Table 12. Treatment option for WEEE compared with EU targets	17
Table 13. Collected WEEE per capita compared with EU targets.....	18

Remark that Table 10 has been updated in August 2008 – figures in the column 'Total collected' 2006 and 2007 have been changed from the Danish July edition.

Preface

Every year WEEE-System prepares "WEEE-Statistics", presenting those data that producers/importers and local authorities report in connection with the producer responsibility for waste electrical and electronic equipment further to the Danish Statutory Order No. 664 of 27/06/2005 on management of waste electrical and electronic equipment (The WEEE Order).

This publication presents the second WEEE Statistics, containing data for the calendar year of 2007. Data derive from the annual reports from the registered producers to the producer register as well as local authorities' registration of collection sites and collection equipment. Thus, the statistics give statements of number of municipal collection sites per municipality, number of collection equipment units, number of registered producers and affiliation to collective schemes. In addition, you will find quantitative statements of electronic equipment put on the market, WEEE collected as well as the treatment it has been subjected to broken down on treatment option and compared with statutory EU targets for recycling and recovery. Furthermore, the geographical location of the first treatment of WEEE is shown.

When possible, 2007 figures are compared with 2006 figures. It should be noted that in some cases 2006 data have been adjusted from what was presented in the first WEEE Statistics. This adjustment has been made, since after the publication of the first WEEE Statistics for 2006 new figures have been reported by the producers; Further to a Danish Environmental Protection Agency decision producers may report retrospectively. A number of corrections have been made to data further to errors found in producers' reports. Most probably, further corrections will have to be made in the future.

Statements of municipal collection sites have been adjusted for 2006, reflecting the state of affairs in the municipalities as they appear after the local government reform in Denmark, which took effect on 1 January 2007.

In the statistics producers and importers are designated as 'producers' only, since both groups are subject to the same regulation.

Remark that table numbering is consecutive, while notes are numbered for each section.

Reproduction and use of data is authorised provided the source is acknowledged.

WEEE-System
Vesterbrogade 6D,
DK-1780 Copenhagen V
www.weee-system.dk
tel. +45 3377 9191

WEEE-System, September 2008

Municipal data

Table 1. Registered municipal collection sites

Municipality	2007					2006
	Inhabitants (1)	Area km ² (2)	Area per collection site km ²	Inhabitants per collection site	Collection sites (3)	Collection sites (4)
Albertslund	27,602	23	6	6,901	4	3
Allerød	23,493	67	67	23,493	1	1
Assens	42,054	512	73	6,008	7	7
Ballerup	47,116	34	17	23,558	2	2
Billund	26,181	537	269	13,091	2	2
Bornholm	42,817	588	98	7,136	6	6
Brøndby	33,831	21	11	16,916	2	1
Brønderslev	35,525	633	79	4,441	8	7
Dragør	13,261	18	18	13,261	1	1
Egedal	40,533	126	42	13,511	3	3
Esbjerg	114,244	598	100	19,041	6	6
Fanø	3,192	56	56	3,192	1	1
Favrskov	45,604	539	108	9,121	5	5
Faxe	35,418	405	135	11,806	3	3
Fredensborg	39,240	112	11	3,924	10	10
Fredericia	49,463	134	34	12,366	4	4
Frederiksberg	93,444	9	0	0	0	0
Frederikshavn	62,751	649	81	7,844	8	7
Frederikssund	44,102	262	66	11,026	4	4
Furesø	37,667	57	29	18,834	2	2
Faaborg-Midtfyn	51,950	637	91	7,421	7	8
Gentofte	68,913	26	26	68,913	1	1
Gladsaxe	62,562	25	13	31,281	2	2
Glostrup	20,673	13	13	20,673	1	1
Greve	47,773	60	60	47,773	1	1
Gribskov	40,512	280	140	20,256	2	2
Guldborgsund	63,496	903	90	6,350	10	9
Haderslev	56,414	702	0	0	0	0
Halsnæs	30,824	121	61	15,412	2	2
Hedensted	45,561	551	110	9,112	5	5
Helsingør	60,844	122	122	60,844	1	1
Herlev	26,567	12	12	26,567	1	1
Herning	84,208	1,324	147	9,356	9	6
Hillerød	46,568	213	107	23,284	2	2
Hjørring	67,121	930	85	6,102	11	12
Holbæk	69,010	579	97	11,502	6	6
Holstebro	57,020	800	160	11,404	5	5
Horsens	80,102	542	136	20,026	4	4
Hvidovre	49,380	22	4	9,876	5	4
Høje-Taastrup	47,158	78	16	9,432	5	5
Hørsholm	24,197	31	16	12,099	2	2
Ikast-Brande	39,893	736	184	9,973	4	3

Municipality	2007					2006
	Inhabitants (1)	Area km ² (2)	Area per collection site km ²	Inhabitants per collection site	Collection sites (3)	Collection sites (4)
Ishøj	20,687	26	9	6,896	3	3
Jammerbugt	38,957	873	218	9,739	4	4
Kalundborg	49,743	604	86	7,106	7	7
Kerteminde	23,630	206	69	7,877	3	3
Kolding	87,781	660	110	14,630	6	5
København	509,861	88	22	127,465	4	4
Køge	56,637	255	12	2,697	21	18
Langeland	13,741	291	97	4,580	3	3
Lejre	26,603	240	240	26,603	1	1
Lemvig	22,067	508	169	7,356	3	3
Lolland	48,219	892	81	4,384	11	11
Lyngby-Taarbæk	51,449	39	39	51,449	1	1
Læsø	2,003	114	114	2,003	1	1
Mariagerfjord	42,667	793	132	7,111	6	6
Middelfart	37,274	300	60	7,455	5	5
Morsø	22,091	368	123	7,364	3	3
Norddjurs	38,581	721	180	9,645	4	4
Nordfyn	29,470	452	151	9,823	3	3
Nyborg	31,607	276	92	10,536	3	3
Næstved	80,732	684	137	16,146	5	5
Odder	21,562	225	225	21,562	1	1
Odense	186,932	304	304	186,932	1	1
Odsherred	33,129	355	89	8,282	4	4
Randers	93,644	800	160	18,729	5	5
Rebild	28,753	625	208	9,584	3	2
Ringkøbing-Skjern	58,368	1,489	165	6,485	9	8
Ringsted	32,092	295	295	32,092	1	1
Roskilde	80,687	212	27	10,086	8	8
Rudersdal	53,869	73	37	26,935	2	2
Rødovre	36,144	12	12	36,144	1	1
Samsø	4,085	114	114	4,085	1	1
Silkeborg	87,371	865	216	21,843	4	4
Skanderborg	56,044	436	87	11,209	5	5
Skive	48,356	691	346	24,178	2	2
Slagelse	77,457	567	95	12,910	6	6
Solrød	20,759	40	20	10,380	2	2
Sorø	29,180	310	78	7,295	4	4
Stevns	21,892	250	125	10,946	2	2
Struer	22,672	251	126	11,336	2	2
Svendborg	59,040	417	139	19,680	3	3
Syddjurs	41,281	696	116	6,880	6	5
Sønderborg	76,913	497	55	8,546	9	9
Thisted	45,549	1,102	367	15,183	3	3
Tønder	40,367	1,314	1,314	40,367	1	1
Tårnby	40,016	65	16	10,004	4	4

Municipality	2007					2006
	Inhabitants (1)	Area km ² (2)	Area per collection site km ²	Inhabitants per collection site	Collection sites (3)	Collection sites (4)
Vallensbæk	12,399	9	0	0	0	0
Varde	50,125	1,256	157	6,266	8	8
Vejen	42,447	814	90	4,716	9	8
Vejle	104,933	1,066	267	26,233	4	4
Vesthimmerland	38,277	772	193	9,569	4	4
Viborg	92,084	1,474	184	11,511	8	7
Vordingborg	46,600	621	155	11,650	4	4
Ærø	6,712	90	30	2,237	3	2
Aabenraa	60,189	942	135	8,598	7	8
Ålborg	195,145	712	356	97,573	2	2
Århus	298,538	469	52	33,171	9	9
					409	392

Source: WEEE-System Database of Municipalities 02-06-2008

NOTES: (1) Data on inhabitants derive from extracts from Statistics Denmark in April 2008. (2) Municipal area data derive from the Local Government Denmark publication 'Fakta om de nye kommuner efter reformen' (*Facts on the new municipalities after the local government reform*) – which was also used in 2006. (3) Municipal registration of collection sites with WEEE-System, from where producers are to collect WEEE from households. (4) Based on the new municipalities after the local government reform.

Table 2. Municipal collection sites total

Municipal collection sites	
Collection sites 2006	392
Collection sites 2007	409

Source: WEEE-System Database of municipalities 02-06-2008

Table 3. Municipalities without collection sites

Municipalities without collection sites (5)
Frederiksberg
Haderslev
Vallensbæk

Note: (5) Same situation as in 2006

Table 4. Collection equipment per fraction and total

Fraktion (6)	Type of container	Number of collection equipment units	
		2007	2006
1. Large household appliances	Large containers	649	523
2. Small household appliances	Wire cages	1,756	1,580
3. IT and telecommunications equipment	Wire cages	2,270	1,932
4. Consumer equipment	Wire cages	2,445	1,931
5. Lighting equipment	Lighting equipment containers	769	935
Total:		7,889	6,901

Note: (6) Fractions as stated in the WEEE-Order No. 664 of 27 of June 2005

Producer data

Table 5. Producers and importers in the WEEE register

Registered undertakings (2007)		
	Number	%
Total number of registrations (1)	1,077	
Registrations -Business categories (2)	772	72%
Registrations -Household categories (3)	442	41%
Individual compliers (4)	154	14%
Producers in collective schemes	923	86%
Elretur	866	80%
LWF	26	2%
NERA	10	1%
RE-DK (5)	21	2%

Source: WEEE-System Database of producers 23-05-2008

Notes: **(1)** Number of producers registered in WEEE-System's producer register. The actual number of registered producers is slightly lower, since some enterprises have chosen to have several independent registrations. **(2)** Share of total number of producers having at least one active business end user. **(3)** Share of total number of producers having at least one active household end user. These figures cannot be summed up to total number of registered producers, since producers may be registered with several categories and end users. See definition of end users below Table 8. **(4)** Producers not affiliated to a collective scheme are predominantly producers with business end users. **(5)** RE-DK's activities were transferred as per June 2008 to the new collective scheme 'RENE Danmark AG'.

Table 6. Producers and importers cancelled from the WEEE register

Cancelled registrations as per 01-04-2008 (6)	201	
---	-----	--

Source: WEEE-System RobotLog 01-04-2008

Note: **(6)** Number of enterprises cancelled due to lack of correct and adequate annual reporting as per 1 April 2008.

Table 7. New producers and importers entered in the WEEE register

New registrations in 2007	129	
New registrations in 2008 per 09-05-2008	75	

Source: WEEE-System allocation basis 09-05-2008

Table 8. Producers and importers per category and end user

Number of registrations per category and end user 2007 (7)		
	Business	Household
1) Large household appliances	48	77
2) Small household appliances	79	169
3) IT and telecommunications equipment	258	157
4) Consumer equipment	85	158
5) Lighting equipment	142	49
6) Electrical and electronic tools	113	72
7) Toys, leisure and sports equipment	27	80
8) Medical devices	130	18
9) Monitoring and control instruments	135	28
10) Automatic dispensers	23	0

Source: WEEE-System Database of producers 23-05-2008

Note: (7) A producer may be active in several categories within households and businesses or both. The table shows number of registered enterprises per category. The sum of these figures does not express total number of registered enterprises. When producers register the product categories of their activities they must state whether the products are sold to end users in private households or in businesses. End users are described as follows:

- Households: Products whose final use is with private consumers.
- Businesses: Products whose final use is with businesses.

Volumes

Table 9. Electronic equipment put on the market (1)

Year 2007 - (tonnes)	Marketed volumes - households	Marketed volumes - business	Marketed volumes - Total
1) Large household appliances	78,076	5,974	84,050
2) Small household appliances	9,917	912	10,829
3) IT and telecommunications equipment	12,383	20,113	32,496
4) Consumer equipment	23,516	974	24,489
5a) Lighting equipment –luminaires (2)	-	5,366	5,366
5b) Lighting equipment - light sources	448	1,001	1,448
6) Electrical and electronic tools	8,543	2,842	11,386
7) Toys, leisure and sports equipment	1,324	264	1,589
8) Medical devices	99	3,968	4,067
9) Monitoring and control instruments	50	226	276
10) Automatic dispensers (3)	-	475	475
Total	134,357	42,114	176,471

Source: WEEE-System allocation basis 09-05-2008

Year 2006 - (tonnes) (4)	Marketed volumes - households	Marketed volumes - business	Marketed volumes - Total
1) Large household appliances	81,286	6,687	87,973
2) Small household appliances	11,477	1,035	12,513
3) IT and telecommunications equipment	12,405	13,395	25,800
4) Consumer equipment	25,442	1,145	26,587
5a) Lighting equipment –luminaires (2)	-	4,796	4,796
5b) Lighting equipment - light sources	227	911	1,138
6) Electrical and electronic tools	6,567	2,629	9,195
7) Toys, leisure and sports equipment	1,753	310	2,064
8) Medical devices	77	1,680	1,757
9) Monitoring and control instruments	45	1,247	1,292
10) Automatic dispensers (3)	-	353	353
Total	139,279	34,189	173,467

Source: WEEE-System allocation basis 09-05-2008

Notes: (1) All figures are based on annual reporting to WEEE-System from producers and collective schemes. **(2)** For category 5a luminaires are covered by the producer responsibility for business end users but not for household end users. **(3)** Category 10, automatic dispensers, is not considered as WEEE from households. **(4)** 2006 figures have been adjusted from previous statistics.

Figure 1. Electronic equipment put on the market

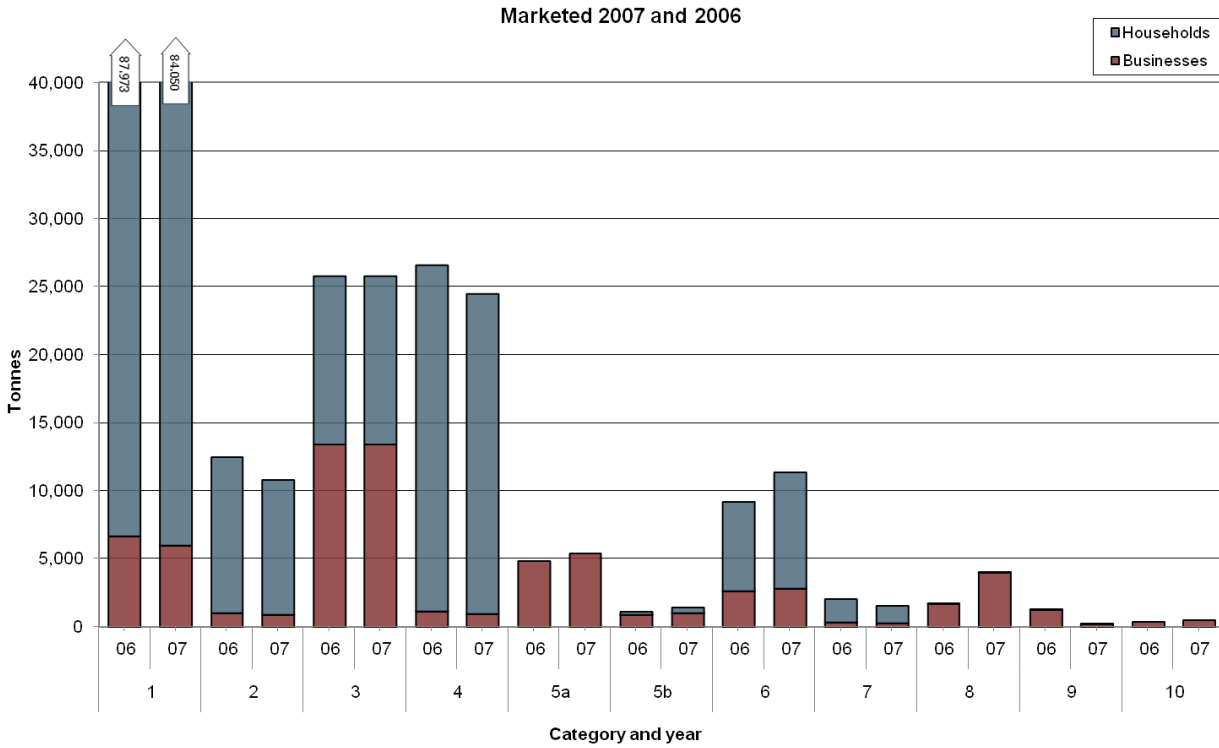


Figure 2. Electronic equipment put on the market, total

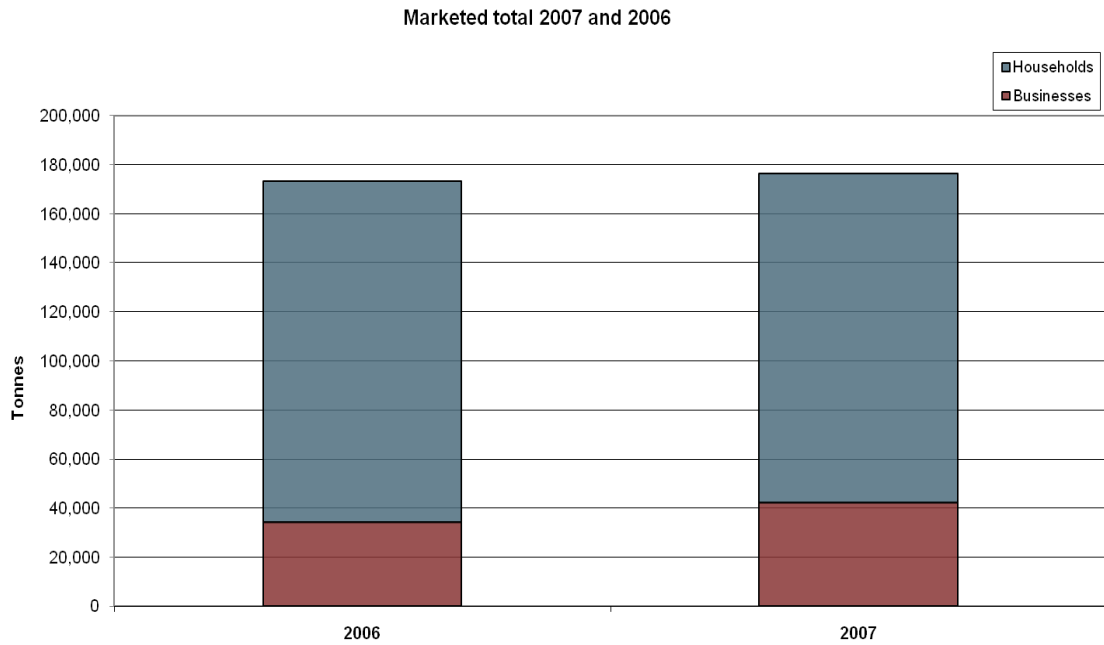


Table 10. Collected WEEE

Year 2007 - (tonnes)	Collected WEEE from households (5)				Collected WEEE from businesses			Total WEEE collected (12)
	(6) Municipal collection sites	(7) Collective schemes sites	(8) Producers' collection	Total	Collective schemes sites	Producers' collection	Total	
1) Large household appliances	36,804	1,719	3,211	41,734	0	61	61	41,795
2) Small household appliances	4,657	28	435	5,121	2	0	3	5,124
3) IT and telecommunications equipment	13,230	99	726	14,055	6	890	896	14,950
4) Consumer equipment	16,358	220	185	16,763	2	30	32	16,795
5a) Lighting equipment –luminaires (9)	0	0	0	0	111	0	111	111
5b) Lighting equipment - light sources	367	3	0	371	253	1	253	624
6) Electrical and electronic tools	2,063	13	0	2,076	1	17	18	2,094
7) Toys, leisure and sports equipment	1,038	6	157	1,201	1	2	3	1,204
8) Medical devices	176	1	0	177	0	13	13	191
9) Monitoring and control instruments	378	2	0	381	0	6	6	387
10) Automatic dispensers (10)	0	0	0	0	3	6	10	10
Total	75,072	2,092	4,714	81,877	380	1,027	1,407	83,284

Source: WEEE-System allocation basis 09-05-2008

Year 2006 - (tonnes) (11)	Collected WEEE from households (5)				Collected WEEE from businesses			Total WEEE collected (12)
	(6) Municipal collection sites	(7) Collective schemes sites	(8) Producers' collection	Total	Collective schemes sites	Producers' collection	Total	
<i>(nine months)</i>								
1) Large household appliances	29,999	1,248	143	31,390	1	71	72	31,462
2) Small household appliances	1,343	26	19	1,388	0	1	1	1,389
3) IT and telecommunications equipment	10,115	313	10	10,437	122	821	943	11,380
4) Consumer equipment	14,118	211	0	14,330	1	16	17	14,347
5a) Lighting equipment –luminaires (9)	0	0	0	0	113	0	114	114
5b) Lighting equipment - light sources	237	0	0	237	208	0	208	445
6) Electrical and electronic tools	522	11	0	533	0	20	20	553
7) Toys, leisure and sports equipment	250	6	104	359	0	0	0	359
8) Medical devices	44	1	0	45	0	5	6	50
9) Monitoring and control instruments	88	2	0	90	0	1	1	91
10) Automatic dispensers (10)	0	0	0	0	55	0	55	55
Total	56,716	1,818	276	58,809	501	935	1,436	60,246

Notes: (5) Collection of WEEE from households takes place in five fractions; fraction 2 covers the categories 2, 6, 7, 8, and 9. The remaining fractions are numbered in line with the categories of the WEEE Directive. The sharing key presented in Table 10a is used to break down fraction 2 in categories. (6) Municipal collection sites are sites registered by the local authority, from where producers must collect WEEE from households separated into five fractions. (7) Collective scheme sites have been established by the collective schemes of the producers, and WEEE can be disposed here according to the instructions of the producers. (8) WEEE collected/disposed directly with the producer. (9) For category 5a luminaires are covered by the producer responsibility for business end users, but not for household end users. (10) Category 10, automatic dispensers, is not considered as WEEE from households. (11) 2006 figures only cover nine months, since the obligation for collection only entered into force on 1 April 2006. (12) Updated August 2008.

Table 10a. Sharing key for conversion of fraction 2 into categories

Product	2006	2007
Category 2	53%	53%
Category 6	26%	26%
Category 7	14%	14%
Category 8	2%	2%
Category 9	5%	5%

Source: The sharing key is based on separation trials made by the collective schemes.

Figure 3. Collected WEEE

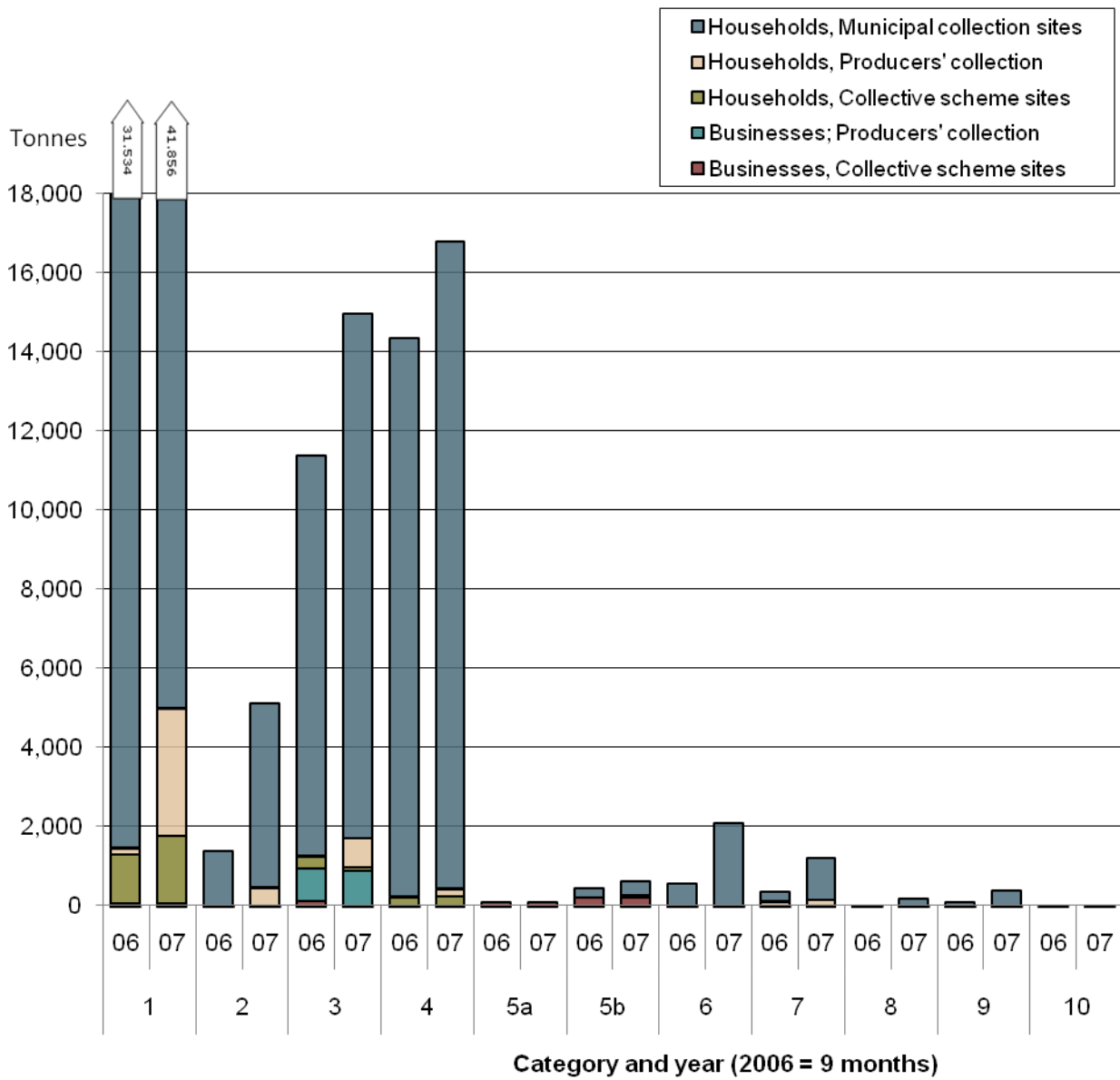


Figure 4. Collected WEEE, total

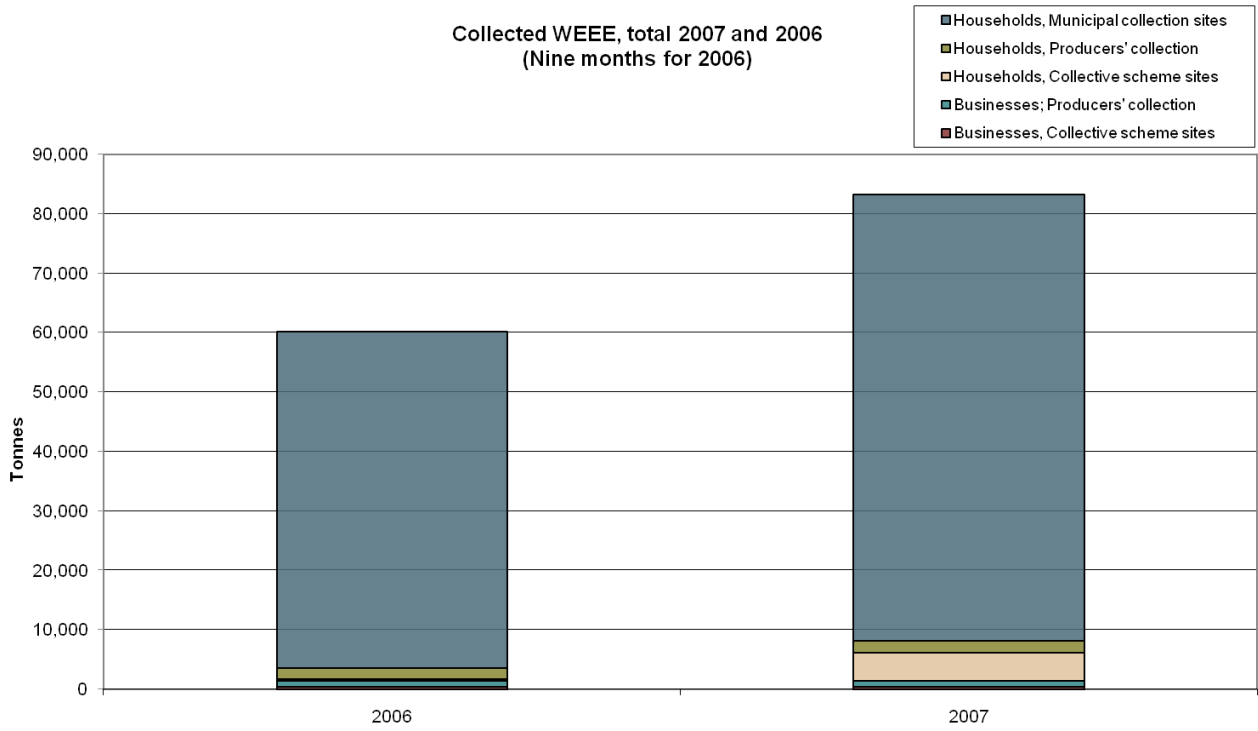


Table 11. Geographical location of first treatment of WEEE (8)

Year 2007 - (tonnes)	Treatment, DK	Treatment, EU - Not DK	Treatment outside EU
1) Large household appliances	29,791	11,332	0
2) Small household appliances	3,845	1,653	0
3) IT and telecommunications equipment	7,541	7,301	10
4) Consumer equipment	8,591	8,365	0
5a) Lighting equipment -luminaires	112	0	0
5b) Lighting equipment - light sources	252	361	0
6) Electrical and electronic tools	1,324	767	0
7) Toys, leisure and sports equipment	687	333	0
8) Medical devices	130	64	0
9) Monitoring and control instruments	252	145	0
10) Automatic dispensers	19	0	0
Total	52,545	30,322	10

Source: WEEE-System allocation basis 09-05-2008

Year 2006 (<i>nine months</i>) - (tonnes)	Treatment, DK	Treatment, EU - Not DK	Treatment outside EU
1) Large household appliances	17,931	11,330	0
2) Small household appliances	1,375	191	0
3) IT and telecommunications equipment	8,028	3,778	0
4) Consumer equipment	9,997	2,651	0
5a) Lighting equipment -luminaires	114	2	0
5b) Lighting equipment - light sources	294	149	0
6) Electrical and electronic tools	600	75	0
7) Toys, leisure and sports equipment	258	30	0
8) Medical devices	60	7	0
9) Monitoring and control instruments	97	11	0
10) Automatic dispensers	55	0	0
Total	38,808	18,225	0

Source: WEEE-System allocation basis 09-05-2008

Notes: (8) Figures show where WEEE was subjected to the first treatment operation. The further treatment may take place elsewhere. In this statement, no distinction has been made between household WEEE and business WEEE.

Figure 5. Geographical location of first treatment of WEEE

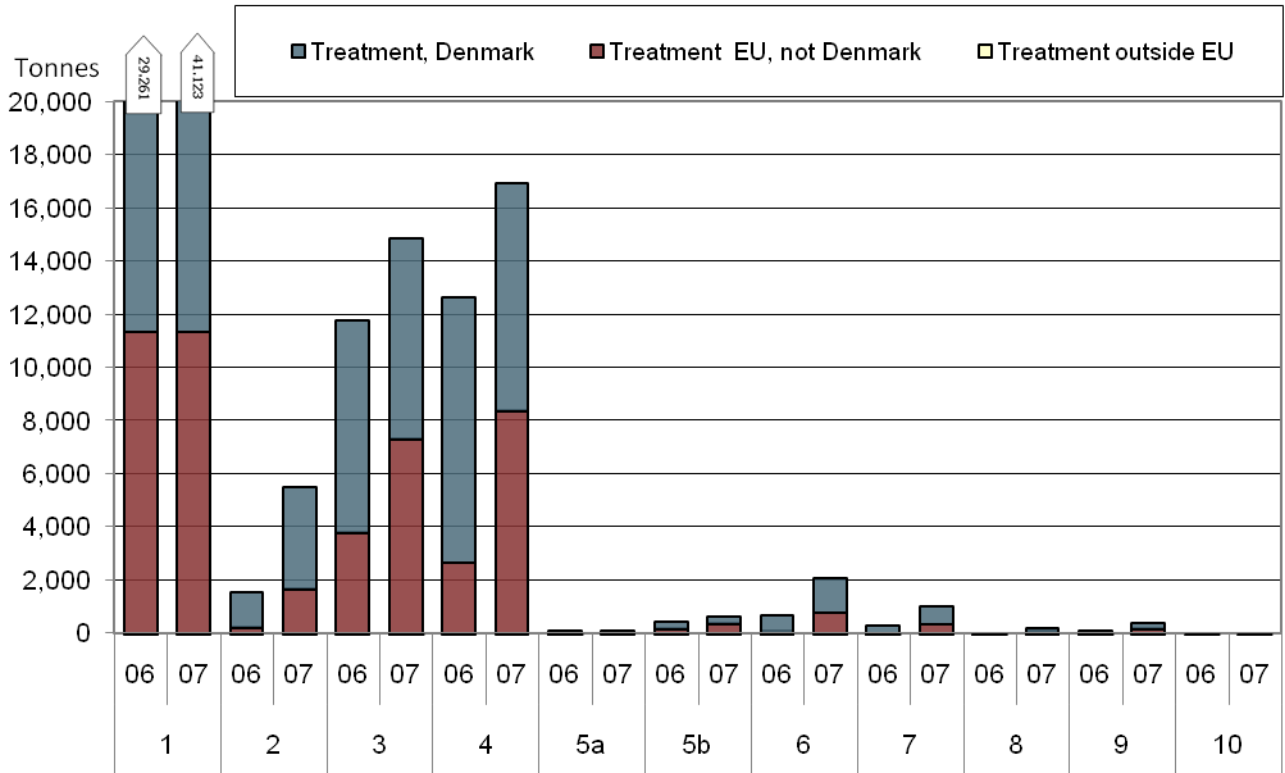


Figure 6. Geographical location of first treatment of WEEE, total

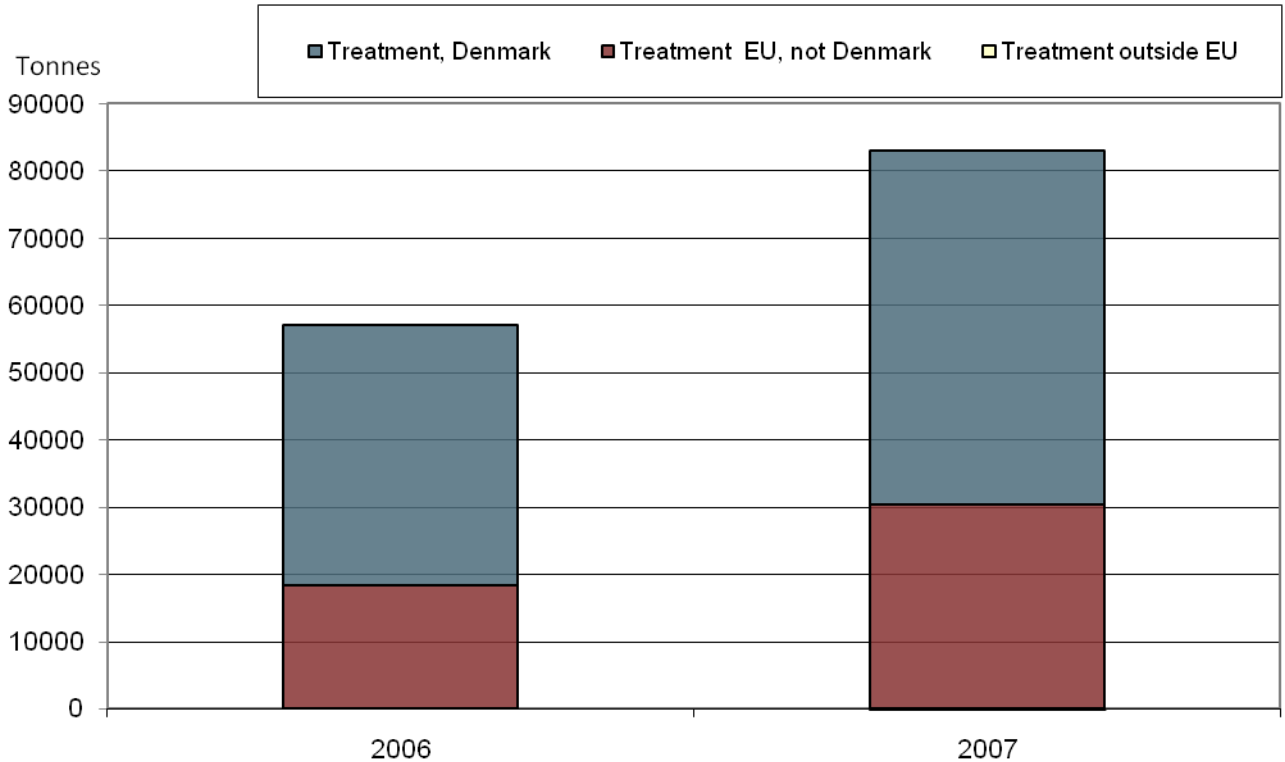


Table 12. Treatment option for WEEE compared with EU targets (9)

Year 2007 - (tonnes)	Disposal (10)		Recovery (11)			Reuse and recycling		
	Tonnes	Per-cent	Tonnes	Per-cent	EU target (12)	Tonnes	Per-cent	EU target (13)
1) Large household appliances	5,326	13%	35,797	87%	80%	33,927	83%	75%
2) Small household appliances	387	7%	5,111	93%	70%	4,604	84%	50%
3) IT and tele-communications equipment	996	7%	13,856	93%	75%	12,293	83%	65%
4) Consumer equipment	1,487	9%	15,469	91%	75%	14,153	83%	65%
5a) Lighting equipment - luminaires	17	15%	95	85%	70%	95	85%	50%
5b) Lighting equipment - light sources	8	1%	605	99%	80%	599	98%	50%
6) Electrical and electronic tools	145	7%	1,946	93%	70%	1,738	83%	50%
7) Toys, leisure and sports equipment	70	7%	951	93%	70%	852	83%	50%
8) Medical devices	18	9%	177	91%	70%	157	81%	50%
9) Monitoring and control instruments	29	7%	367	93%	70%	328	83%	50%
10) Automatic dispensers	15	82%	3	18%	80%	3	16%	75%
Total	8,499		74,378			68,749		

Source: WEEE-System allocation basis 09-05-2008

Year 2006 (tonnes) <i>(nine months) -</i>	Disposal		Recovery			Reuse and recycling		
	Tonnes	Per-cent	Tonnes	Per-cent	EU target	Tonnes	Per-cent	EU target
1) Large household appliances	1,011	3%	28,250	97%	80%	25,835	88%	75%
2) Small household appliances	67	4%	1,498	96%	70%	1,279	82%	50%
3) IT and tele-communications equipment	984	8%	10,822	92%	75%	9,506	81%	65%
4) Consumer equipment	1,135	9%	11,514	91%	75%	10,013	79%	65%
5a) Lighting equipment - luminaires	17	15%	99	85%	70%	99	85%	50%
5b) Lighting equipment - light sources	11	3%	432	97%	80%	432	97%	50%
6) Electrical and electronic tools	26	4%	649	96%	70%	553	82%	50%
7) Toys, leisure and sports equipment	10	4%	277	96%	70%	234	81%	50%
8) Medical devices	4	5%	63	95%	70%	54	80%	50%
9) Monitoring and control instruments	5	4%	104	96%	70%	88	81%	50%
10) Automatic dispensers	2	3%	53	97%	80%	44	81%	75%
Total	3,273		53,761			48,138		

Notes: (9) In this statement, no distinction has been made between household WEEE and business WEEE. **(10)** Disposal means that WEEE is landfilled or incinerated without energy recovery. **(11)** Recovery is the sum of the treatment options of waste incineration with energy recovery, recycling, and reuse. Thus, 5,629 tonnes was incinerated in 2007 while 5,623 tonnes was incinerated in 2006. **(12) and (13)** EU percentage target for treatment as stipulated in the WEEE Directive 2002/96/EC.

Table 13. Collected WEEE per capita compared with EU targets

Collected WEEE per capita in Denmark (kg) (14)							
2007				2006 (<i>nine months</i>)			
Households	Businesses (15)	Total	EU Target	Households	Businesses (15)	Total	EU Target
15	0	15	4	11	0	11	4

Source: WEEE-System allocation basis 09-05-2008

(14) Updated August 2008 further to updating of Table 10. **(15)** Rounded from 0.3 kg.