

ANEXA 3.3

PROIECTIA DESEURILOR SOLIDE MUNICIPALE GENERATE PE ORASE SI IN ZONELE URBANE SI RURALE DIN JUDETUL SALAJ

1. GENERAREA DESEURILOR**ZALAU**

	Deseuri municipale colectate (tone)					Deseuri municipale necolectate (tone)	Total deseuri municipale generate (t)	Locuitori	Generare deseuri municipale / cap de locuitor	Colectare deseuri din gospodarie / cap de locuitor
Anul	Deseuri gospodarie	Deseuri asemanatoare din comert, industrie si institutii	Deseuri din gradini si parcuri, deseuri din piete	Reziduuri de la curatarea strazilor	Total deseuri municipale colectate					
EWC	20 03 01, 15 01, 20 01	20 03 01, 15 01, 20 01	20 02, 20 03 02	20 03 03	20, 15 01	20 03 01, 15 01	20, 15 01		(kg/cap de locuitor si an)	
2006	15,243	1,801	1,350	1,200	19,594	2,500	22,094	63,299	349	280
2007	15,365	1,815	1,361	1,210	19,751	2,520	22,271	63,072	353	284
2008	17,963	1,830	1,372	1,220	22,384	0	22,384	62,845	356	286
2009	18,042	1,844	1,383	1,229	22,498	0	22,498	62,618	359	288
2010	18,120	1,859	1,394	1,239	22,612	0	22,612	62,392	362	290
2011	18,200	1,874	1,405	1,249	22,727	0	22,727	62,169	366	293
2012	18,279	1,889	1,416	1,259	22,843	0	22,843	61,946	369	295
2013	18,360	1,904	1,427	1,269	22,960	0	22,960	61,724	372	297
2014	18,440	1,919	1,439	1,279	23,078	0	23,078	61,503	375	300
2015	18,522	1,935	1,450	1,289	23,196	0	23,196	61,283	379	302
2016	18,603	1,950	1,462	1,300	23,315	0	23,315	61,064	382	305
2017	18,684	1,966	1,474	1,310	23,434	0	23,434	60,845	385	307
2018	19,079	2,013	1,509	1,342	23,943	0	23,943	60,662	395	315
2021	19,618	2,079	1,558	1,385	24,640	0	24,640	60,420	408	325
2025	20,314	2,163	1,621	1,442	25,540	0	25,540	60,119	425	338
2030	21,329	2,287	1,714	1,524	26,855	0	26,855	59,699	450	357
2037	15,243	1,801	1,350	1,200	19,594	2,500	22,094	63,299	349	280

CEHU SILVANIEI

	Deseuri municipale colectate (tone)					Deseuri municipale necolectate (tone)	Total deseuri municipale generate (t)	Locuitori	Generare deseuri municipale / cap de locuitor	Colectare deseuri din gospodarie / cap de locuitor
Anul	Deseuri gospodarie	Deseuri asemanatoare din comert, industrie si institutii	Deseuri din gradini si parcuri, deseuri din piete	Reziduuri de la curatarea strazilor	Total deseuri municipale colectate					
EWC	20 03 01, 15 01, 20 01	20 03 01, 15 01, 20 01	20 02, 20 03 02	20 03 03	20, 15 01	20 03 01, 15 01	20, 15 01			
2006	1,800	231	193	171	2,395	350	2,745	7,889	348	273
2007	1,814	233	194	173	2,414	353	2,767	7,860	352	276
2008	2,177	235	196	174	2,782	0	2,782	7,832	355	278
2009	2,186	237	198	176	2,796	0	2,796	7,804	358	280
2010	2,196	239	199	177	2,810	0	2,810	7,776	361	282
2011	2,205	240	201	178	2,825	0	2,825	7,748	365	285
2012	2,215	242	202	180	2,839	0	2,839	7,720	368	287
2013	2,225	244	204	181	2,854	0	2,854	7,692	371	289
2014	2,235	246	206	183	2,869	0	2,869	7,665	374	292
2015	2,244	248	207	184	2,884	0	2,884	7,638	378	294
2016	2,254	250	209	186	2,899	0	2,899	7,610	381	296
2017	2,264	252	211	187	2,914	0	2,914	7,583	384	299
2018	2,312	258	216	192	2,977	0	2,977	7,560	394	306
2021	2,377	267	223	198	3,064	0	3,064	7,530	407	316
2025	2,462	277	232	206	3,177	0	3,177	7,492	424	329
2030	2,585	293	245	218	3,341	0	3,341	7,440	449	347
2037	1,800	231	193	171	2,395	350	2,745	7,889	348	273

JIBOU

	Deseuri municipale colectate (tone)					Deseuri municipale necollectate (tone)	Total deseuri municipale generate (t)			
Anul	Deseuri gospodarie	Deseuri asemanatoare din comert, industrie si institutii	Deseuri din gradini si parcuri, deseuri din piete	Reziduuri de la curatarea strazilor	Total deseuri municipale colectate			Locuitori	Generare deseuri municipale / cap de locuitor	Colectare deseuri din gospodarie / cap de locuitor
EWC	20 03 01, 15 01, 20 01	20 03 01, 15 01, 20 01	20 02, 20 03 02	20 03 03	20, 15 01	20 03 01, 15 01	20, 15 01		(kg/cap de locuitor si an)	
2006	3,000	332	236	210	3,777	350	4,127	11,737	352	285
2007	3,024	335	238	211	3,807	353	4,160	11,695	356	289
2008	3,392	337	239	213	4,181	0	4,181	11,653	359	291
2009	3,406	340	241	215	4,202	0	4,202	11,611	362	293
2010	3,421	343	243	216	4,224	0	4,224	11,569	365	296
2011	3,436	345	245	218	4,245	0	4,245	11,528	368	298
2012	3,451	348	247	220	4,267	0	4,267	11,487	371	300
2013	3,466	351	249	222	4,288	0	4,288	11,445	375	303
2014	3,482	354	251	223	4,310	0	4,310	11,404	378	305
2015	3,497	357	253	225	4,332	0	4,332	11,364	381	308
2016	3,512	359	255	227	4,354	0	4,354	11,323	385	310
2017	3,528	362	257	229	4,376	0	4,376	11,282	388	313
2018	3,602	371	264	234	4,471	0	4,471	11,249	397	320
2021	3,704	383	272	242	4,601	0	4,601	11,204	411	331
2025	3,835	399	283	252	4,769	0	4,769	11,148	428	344
2030	4,027	422	299	266	5,014	0	5,014	11,070	453	364
2037	3,000	332	236	210	3,777	350	4,127	11,737	352	285

SIMLEUL SILVANIEI

	Deseuri municipale colectate (tone)					Deseuri municipale necolectate (tone)	Total deseuri municipale generate (t)			
Anul	Deseuri gospodarie	Deseuri asemanatoare din comert, industrie si institutii	Deseuri din gradini si parcuri, deseuri din piete	Reziduuri de la curatarea strazilor	Total deseuri municipale colectate			Locuitori	Generare deseuri municipale / cap de locuitor	Colectare deseuri din gospodarie / cap de locuitor
EWC	20 03 01, 15 01, 20 01	20 03 01, 15 01, 20 01	20 02, 20 03 02	20 03 03	20, 15 01	20 03 01, 15 01	20, 15 01	(kg/cap de locuitor si an)		
2006	5,800	608	343	305	7,056	700	7,756	16,783	462	387
2007	5,846	613	346	307	7,112	720	7,832	16,723	468	393
2008	6,595	618	348	310	7,871	0	7,871	16,663	472	396
2009	6,624	623	351	312	7,910	0	7,910	16,603	476	399
2010	6,653	628	354	315	7,949	0	7,949	16,543	481	402
2011	6,682	633	357	317	7,989	0	7,989	16,484	485	405
2012	6,711	638	360	320	8,029	0	8,029	16,425	489	409
2013	6,741	643	363	322	8,069	0	8,069	16,366	493	412
2014	6,770	648	365	325	8,109	0	8,109	16,307	497	415
2015	6,800	654	368	327	8,150	0	8,150	16,249	502	418
2016	6,830	659	371	330	8,190	0	8,190	16,191	506	422
2017	6,860	664	374	333	8,231	0	8,231	16,133	510	425
2018	7,005	680	383	341	8,409	0	8,409	16,084	523	436
2021	7,203	702	396	352	8,653	0	8,653	16,020	540	450
2025	7,458	731	412	366	8,967	0	8,967	15,940	563	468
2030	7,831	773	435	387	9,426	0	9,426	15,829	596	495
2037	5,800	608	343	305	7,056	700	7,756	16,783	462	387

TOTAL JUDET

	Deseuri municipale colectate (tone)					Deseuri municipale necolectate (tone)	Total deseuri municipale generate (t)			
Anul	Deseuri gospodarie	Deseuri asemanatoare din comert, industrie si institutii	Deseuri din gradini si parcuri, deseuri din piete	Reziduuri de la curatarea strazilor	Total deseuri municipale colectate			Locuitori	Generare deseuri municipale / cap de locuitor	Colectare deseuri din gospodarie / cap de locuitor
EWC	20 03 01, 15 01, 20 01	20 03 01, 15 01, 20 01	20 02, 20 03 02	20 03 03	20, 15 01	20 03 01, 15 01	20, 15 01	(kg/cap de locuitor si an)		
2006	34,024	3,703	2,126	1,890	41,743	14,116	55,860	244,952	228	197
2007	36,343	3,733	2,143	1,905	44,124	15,485	59,609	243,983	244	212
2008	36,634	3,763	2,160	1,920	44,477	15,624	60,100	243,109	247	215
2009	50,178	3,793	2,177	1,936	58,084	2,228	60,312	242,235	249	216
2010	50,397	3,823	2,195	1,951	58,366	2,238	60,603	241,361	251	218
2011	50,616	3,854	2,212	1,967	58,649	2,247	60,896	240,487	253	220
2012	50,839	3,885	2,230	1,983	58,936	2,257	61,193	239,627	255	222
2013	53,329	3,916	2,248	1,998	61,491	0	61,491	238,768	258	223
2014	53,563	3,947	2,266	2,014	61,790	0	61,790	237,915	260	225
2015	53,798	3,979	2,284	2,031	62,091	0	62,091	237,061	262	227
2016	54,035	4,010	2,302	2,047	62,394	0	62,394	236,216	264	229
2017	54,272	4,043	2,320	2,063	62,699	0	62,699	235,370	266	231
2018	54,510	4,075	2,339	2,080	63,004	0	63,004	234,525	269	232
2021	55,661	4,173	2,396	2,130	64,360	0	64,360	233,822	275	238
2025	57,235	4,309	2,473	2,199	66,215	0	66,215	232,888	284	246
2030	59,264	4,484	2,574	2,288	68,609	0	68,609	231,726	296	256
2037	62,226	4,741	2,721	2,420	72,108	0	72,108	230,108	313	270

ZONE URBANE

	Deseuri municipale colectate (tone)					Deseuri municipale necollectate (tone)	Total deseuri municipale generate (t)		Generare deseuri municipale / cap de locuitor	Colectare deseuri din gospodarie / cap de locuitor
Anul	Deseuri gospodarie	Deseuri asemanatoare din comert, industrie si institutii	Deseuri din gradini si parcuri, deseuri din piete	Reziduuri de la curatarea strazilor	Total deseuri municipale colectate					
EWC	20 03 01, 15 01, 20 01	20 03 01, 15 01, 20 01	20 02, 20 03 02	20 03 03	20, 15 01	20 03 01, 15 01	20, 15 01		(kg/cap de locuitor si an)	
2006	24,157	2,949	2,104	1,871	31,081	4,941	36,022	100,104	360	241
2007	25,843	2,972	2,121	1,886	32,822	3,900	36,722	99,708	368	259
2008	26,050	2,996	2,138	1,901	33,085	3,946	37,031	99,351	373	262
2009	30,127	3,020	2,155	1,916	37,218	0	37,218	98,994	376	304
2010	30,258	3,044	2,173	1,932	37,406	0	37,406	98,636	379	307
2011	30,390	3,068	2,190	1,947	37,595	0	37,595	98,279	383	309
2012	30,523	3,093	2,208	1,963	37,786	0	37,786	97,928	386	312
2013	30,657	3,118	2,225	1,978	37,978	0	37,978	97,577	389	314
2014	30,792	3,143	2,243	1,994	38,172	0	38,172	97,228	393	317
2015	30,927	3,168	2,261	2,010	38,366	0	38,366	96,879	396	319
2016	31,063	3,193	2,279	2,026	38,562	0	38,562	96,534	399	322
2017	31,200	3,219	2,297	2,043	38,758	0	38,758	96,188	403	324
2018	31,336	3,244	2,316	2,059	38,955	0	38,955	95,843	406	327
2021	31,998	3,323	2,372	2,109	39,801	0	39,801	95,555	417	335
2025	32,902	3,430	2,448	2,177	40,958	0	40,958	95,174	430	346
2030	34,069	3,570	2,548	2,265	42,452	0	42,452	94,699	448	360
2037	35,772	3,775	2,694	2,395	44,636	0	44,636	94,038	360	241

ZONE RURALE

	Deseuri municipale colectate (tone)					Deseuri municipale necolectate (tone)	Total deseuri municipale generate (t)			
Anul	Deseuri gospodarie	Deseuri asemanatoare din comert, industrie si institutii	Deseuri din gradini si parcuri, deseuri din piete	Reziduuri de la curatarea strazilor	Total deseuri municipale colectate			Locuitori	Generare deseuri municipale / cap de locuitor	Colectare deseuri din gospodarie / cap de locuitor
EWC	20 03 01, 15 01, 20 01	20 03 01, 15 01, 20 01	20 02, 20 03 02	20 03 03	20, 15 01	20 03 01, 15 01	20, 15 01		(kg/cap de locuitor si an)	
2006	9,867	755	21	19	10,662	9,176	19,838	144,848	137	131
2007	10,500	761	21	19	11,301	11,585	22,887	144,275	159	153
2008	10,584	767	22	19	11,392	11,678	23,070	143,758	160	154
2009	20,051	773	22	19	20,866	2,228	23,093	143,241	161	156
2010	20,139	779	22	20	20,960	2,238	23,197	142,724	163	157
2011	20,226	785	22	20	21,054	2,247	23,301	142,208	164	158
2012	20,315	792	22	20	21,149	2,257	23,407	141,699	165	159
2013	22,672	798	22	20	23,512	0	23,512	141,191	167	161
2014	22,771	804	23	20	23,619	0	23,619	140,687	168	162
2015	22,871	811	23	20	23,725	0	23,725	140,182	169	163
2016	22,972	817	23	20	23,833	0	23,833	139,682	171	164
2017	23,073	824	23	21	23,941	0	23,941	139,182	172	166
2018	23,174	831	23	21	24,049	0	24,049	138,682	173	167
2021	23,663	851	24	21	24,559	0	24,559	138,266	178	171
2025	24,332	878	25	22	25,257	0	25,257	137,714	183	177
2030	25,195	914	26	23	26,157	0	26,157	137,027	191	184
2037	26,454	966	27	24	27,472	0	27,472	136,071	202	194

2. COMPOZITIA DESEURILOR MUNICIPALE

Tabel 1: Proiectia compozitiei deseurilor municipale

Tip de deseuri	Urban		Rural		Media judetului	
	%		%		%	
	2017	2027	2017	2027	2017	2027
Deseuri din hartie si carton	18	21	15	18	17.6	20.6
Deseuri din sticla	7	5	7	8	7.0	5.4
Deseuri din metal	6	7	10	11	6.6	7.6
Deseuri din plastic	18	21	16	18	17.7	20.6
Deseuri din lemn	1	1	0	0	0.9	0.9
Deseuri biodegradabile	39	32	40	30	39.1	31.7
Alte deseuri ⁽¹⁾	11	13	12	15	11.1	13.3
TOTAL	100	100	100	100	100	100

⁽¹⁾ Nisip, praf, materiale maturate, cenusa, HHW, DEEE, C& DW, etc.

Sursa: Compozitie determinata de estimarile si expertizele operatorilor de servicii sanitare

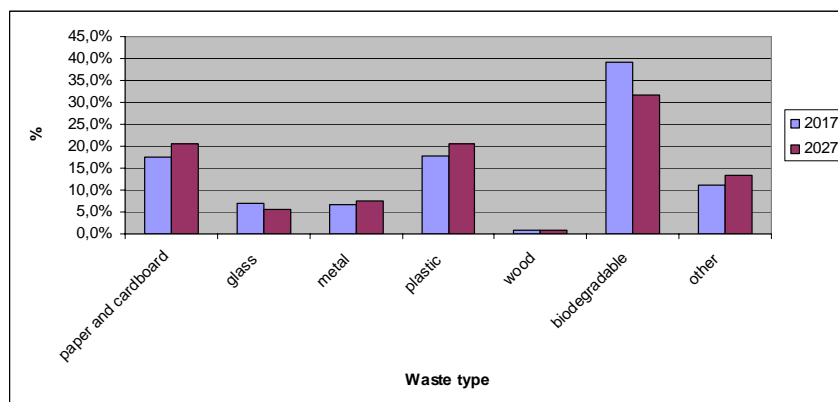


Figura 1: Proiectia compozitiei deseurilor municipale la nivel urban

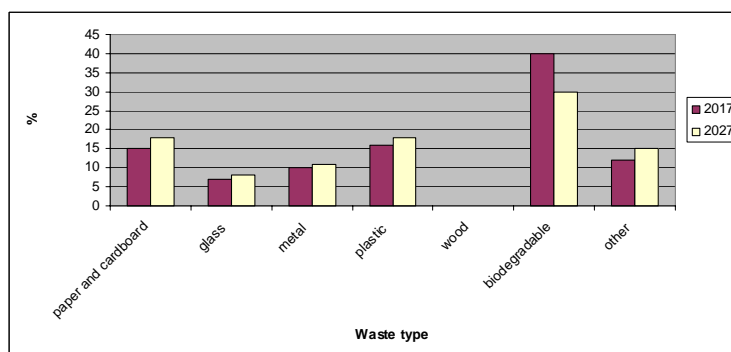


Figura 2: Proiectia compozitiei deseurilor municipale la nivel rural

3. GENERAREA DE DESEURI BIODEGRADABILE

Tabel 2: Procentul de deseuri biodegradabile in deseurile municipale

Anul	Procentul de deseuri biodegradabile in deseurile municipale (%)					
	Deseuri din gospodarie si deseuri similare provenite din comert, industrie si institutii		Deseuri din gradini si parcuri, deseuri din pietre	Reziduuri de la curatarea strazilor	Deseuri municipale necolectate (tone)	
	zona urbana	zona rurala			zona urbana	zona rurala
2006	58	58	90	20	58	58
2007	58	58	90	20	58	58
2008	58	58	90	20	58	58
2009	58	58	90	20	58	58
2010	58	58	90	20	58	58
2011	58	58	90	20	58	58
2012	58	58	90	20	58	58
2013	57	55	90	20	57	55
2014	57	55	90	20	57	55
2015	57	55	90	20	57	55
2016	57	55	90	20	57	55
2017	57	55	90	20	57	55
2018	55	53	90	20	55	53
2021	54	50	90	20	54	50
2025	53	48	90	20	53	48
2030	51	46	90	20	51	46
2037	50	45	90	20	50	45

Tabel 3: Proiectia generarii deseurilor municipale biodegradabile

An	Proiectia generarii deseurilor municipale biodegradabile (tone)						
	Deseuri gospodarie		Deseuri din gradini si parcuri, deseuri din pietre	Reziduuri de la curatarea strazilor	Deseuri municipale necolectate (tone)		Total
	Urban	Rural			Urban	Rural	
2007	15,721	6,161	1,913	567	2,866	5,322	32,550
2008	16,713	6,531	1,928	572	2,262	6,719	34,725
2009	16,846	6,584	1,944	576	2,288	6,773	35,012
2010	19,225	12,078	1,959	581	0	1,292	35,135
2011	19,315	12,132	1,975	585	0	1,298	35,306
2012	19,406	12,187	1,991	590	0	1,303	35,477
2013	19,497	12,242	2,007	595	0	1,309	35,650
2014	19,252	12,908	2,023	600	0	0	34,782
2015	19,343	12,967	2,039	604	0	0	34,953
2016	19,434	13,025	2,055	609	0	0	35,124
2017	19,526	13,084	2,072	614	0	0	35,296
2018	19,618	13,143	2,088	619	0	0	35,469
2021	19,019	12,722	2,105	624	0	0	34,471
2025	19,073	12,257	2,156	639	0	0	34,125
2030	19,256	12,101	2,226	660	0	0	34,243
2037	19,196	12,010	2,316	686	0	0	34,209

4. GENERAREA DESEURILOR DE AMBALAJE

Tabel 4: Proiectia cantitatilor totale de la ambalaje

	Cantitate de deseuri de ambalaje (tone)											
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Total	15,102	17,065	18,260	19,538	20,906	21,951	23,048	24,201	25,411	26,427	27,484	28,584
Hârtie si carton	4,062	4,591	4,912	5,256	5,624	5,905	6,200	6,510	6,836	7,109	7,393	7,689
Plastic	4,984	5,632	6,026	6,448	6,899	7,244	7,606	7,986	8,386	8,721	9,070	9,433
Sticla	2,703	3,055	3,268	3,497	3,742	3,929	4,126	4,332	4,549	4,730	4,920	5,116
Metale	1,118	1,263	1,351	1,446	1,547	1,624	1,706	1,791	1,880	1,956	2,034	2,115
Lemn	1,495	1,689	1,808	1,934	2,070	2,173	2,282	2,396	2,516	2,616	2,721	2,830
Altele	740	836	895	957	1,024	1,076	1,129	1,186	1,245	1,295	1,347	1,401

Tabel 5: Proiectia cantitatilor de deseuri de ambalaje generate de catre populatie

	Cantitate de deseuri de ambalaje (tone)											
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Total	8,973	10,139	10,849	11,608	12,421	13,042	13,694	14,379	15,098	15,702	16,330	16,983
Hârtie si carton	2,234	2,525	2,702	2,891	3,093	3,248	3,410	3,581	3,760	3,910	4,066	4,229
Plastic	3,738	4,224	4,519	4,836	5,174	5,433	5,704	5,990	6,289	6,541	6,802	7,074
Sticla	2,163	2,444	2,615	2,798	2,994	3,143	3,301	3,466	3,639	3,784	3,936	4,093
Metale	838	947	1,013	1,084	1,160	1,218	1,279	1,343	1,410	1,467	1,525	1,586
Lemn	0	0	0	0	0	0	0	0	0	0	0	0
Altele	185	209	224	239	256	269	282	296	311	324	337	350

Tabel 6: Proiectia cantitatilor de deseuri de ambalaje generate de comert, industrie si institutii

	Cantitate de deseuri de ambalaje (tone)											
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Total	5,389	6,090	6,516	6,972	7,460	7,833	8,225	8,636	9,068	9,431	9,808	10,200
Hârtie si carton	1,828	2,066	2,210	2,365	2,531	2,657	2,790	2,930	3,076	3,199	3,327	3,460
Plastic	1,246	1,408	1,506	1,612	1,725	1,811	1,901	1,997	2,096	2,180	2,267	2,358
Sticla	541	611	654	699	748	786	825	866	910	946	984	1,023
Metale	279	316	338	361	387	406	426	448	470	489	508	529
Lemn	1,495	1,689	1,808	1,934	2,070	2,173	2,282	2,396	2,516	2,616	2,721	2,830
Altele	555	627	671	718	768	807	847	889	934	971	1,010	1,050