

# Reykjavík Energy

## 2023 Annual Report

### Appendices



#### Waste classification



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Cover photo: Atli Már Hafsteinsson

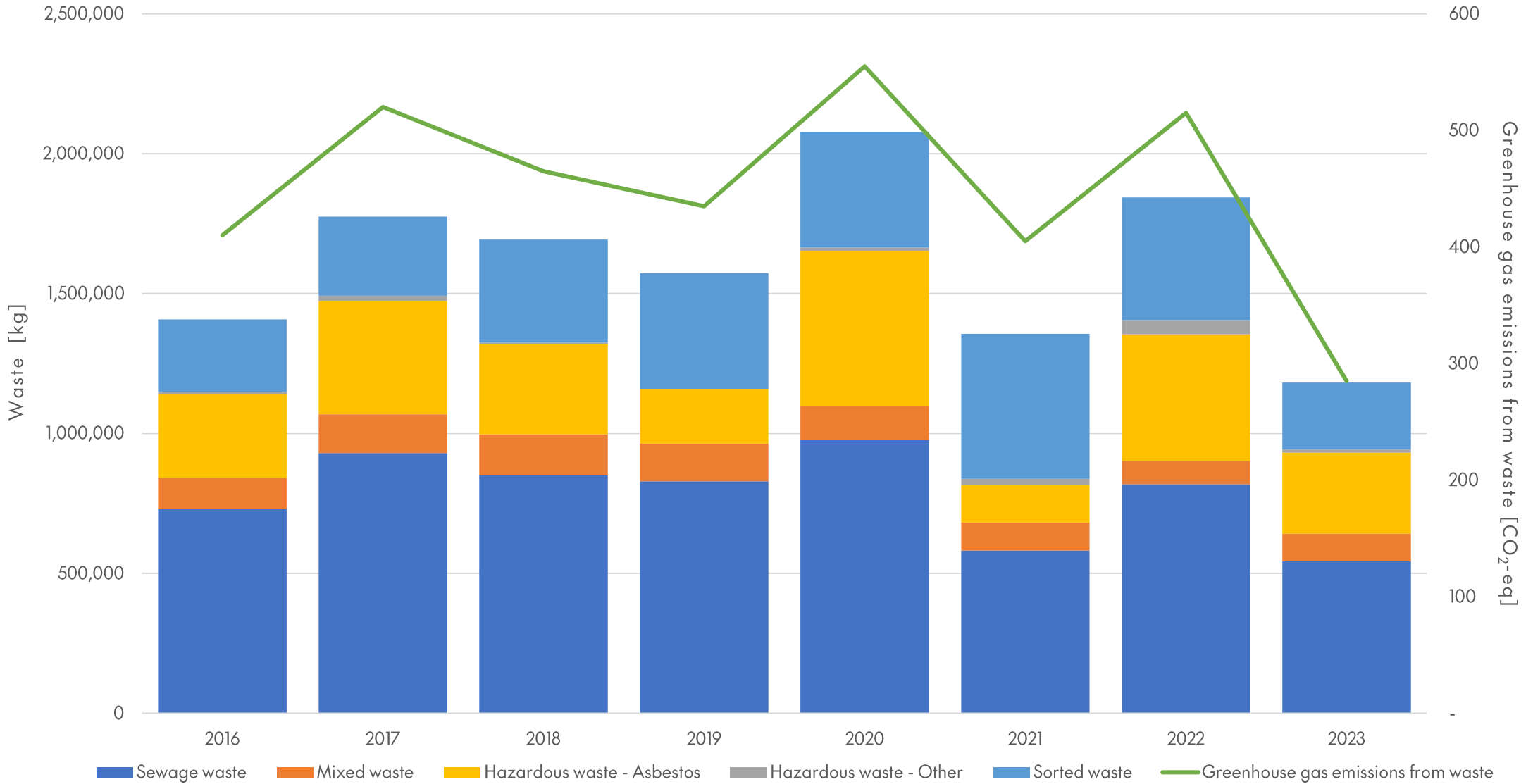
# Classification of waste 2020-2023

FLOKKUR	Eining	2020	2021	2022	2023
General waste for landfill	kg	56,500	62,600	65,455	2,424
General waste for energy utilization	kg	0	0	0	48,167
Bulk waste	kg	65,200	36,880	17,810	48,186
<b>Mixed waste total</b>	<b>kg</b>	<b>121,700</b>	<b>99,480</b>	<b>83,265</b>	<b>98,777</b>
Screening waste for landfill*	kg	976,900	581,900	818,200	106,028
Sand for landfill*	kg				437,170
Fat for incineration*	kg				0
<b>Sewage waste total</b>	<b>kg</b>	<b>976,900</b>	<b>581,900</b>	<b>818,200</b>	<b>543,198</b>
Soil	kg	0	0	0	4,600
<b>Gardening waste total</b>	<b>kg</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,600</b>
Nytjahlutir	kg	0	0	0	0
<b>Nytjahlutir samtals</b>	<b>kg</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Gypsum	kg	-	1,000	-	7,320
Timber – painted	kg	45,300	26,900	29,990	33,640
Minerals	kg	55,900	106,870	87,960	59
Timber – unpainted	kg	33,600	23,490	21,500	15,993
<b>Construction waste total</b>	<b>kg</b>	<b>134,800</b>	<b>158,260</b>	<b>139,450</b>	<b>57,012</b>
Newspapers	kg	170	120	120	370
Office paper	kg	370	370	370	210
Cardboard	kg	20,200	20,580	18,380	19,786
<b>Paper and cardboard total</b>	<b>kg</b>	<b>20,740</b>	<b>21,070</b>	<b>18,870</b>	<b>20,366</b>
Glass and porcelain	kg	55,900	106,870	87,960	135
<b>Glass total</b>	<b>kg</b>	<b>55,900</b>	<b>106,870</b>	<b>87,960</b>	<b>135</b>
Food waste	kg	23,700	25,840	25,775	31,226
Cooking oil*	kg				198
<b>Food waste total</b>	<b>kg</b>	<b>23,700</b>	<b>25,840</b>	<b>25,775</b>	<b>31,424</b>
Refridgerators & freezers*	kg	0	0	0	90
Print cartridges*	kg	0	0	0	0
Electronic equipment	kg	3300	8400	4785	4,523
Wires and cables*	kg	0	0	0	0
Televisions and monitors*	kg	0	0	0	554
<b>Electronic equipment total</b>	<b>kg</b>	<b>3,300</b>	<b>8,400</b>	<b>4,785</b>	<b>5,077</b>
Metals	kg	157,440	182,470	141,100	99,260
<b>Metals total</b>	<b>kg</b>	<b>157,440</b>	<b>182,470</b>	<b>141,100</b>	<b>99,260</b>
Hard plastics	kg	17,400	15,380	20,225	490
Soft plastics*	kg	0	0	0	20,639
Plastic packaging*	kg	0	0	0	335
<b>Plastics total</b>	<b>kg</b>	<b>17,400</b>	<b>15,380</b>	<b>20,225</b>	<b>21,464</b>
Asbestos	kg	554,000	135,000	453,200	389,640
Light bulbs	kg	420	845	600	187
Paint	kg	350	360	1,030	115
Oil paint*	kg	0	0	0	202
Oil filters*	kg	0	0	0	75
Batteries	kg	50	780	116	202
Car batteries	kg	9,000	10,290	13,480	5,469
Hazardous materials	kg	1,270	4,225	26,100	2,592
Waste oil	kg	1,240	4,930	9,630	2,606
<b>Hazardous waste total</b>	<b>kg</b>	<b>566,330</b>	<b>156,430</b>	<b>504,156</b>	<b>401,088</b>

\* Category not specified in previous years

Asphalt	tons	1500	1980	1080	0
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# Classification of waste and associated greenhouse gas emissions 2016-2023



# Classification of waste by worksites and municipalities 2023

Category	Unit	Reykjavik (Baejarh)*	Nesjavellir, municipality of Grimsnes- and Grafnings- hreppur	Hellisheidi, municipality of Olfus	Smaratorg 3 Kopavogur	Reykjavik (Baejarhals N-house)*	Reykjavik Ananaust sewage treatment	Reykjavik Klettagardar sewage treatment	Pumping stations in the capital area	Borgarbyggd sewage treatment plants	Akranes	Borgarnes & Strykkis- holmur	Hveragerdi	Reykjavik Energy and subsidiaries total
		Reykjavik Energy	ON Power		RFN** & Carbfix	Veitur Utilities								
General waste for landfill	kg	730	18	6	0	0	0	0	0	0	0	1,060	610	2,424
General waste for energy utilization	kg	29,241	8,928	7,842	570	265	0	0	0	0	1,321	0	0	48,167
Bulk waste	kg	21,566	11,740	12,580	200	0	0	0	0	0	0	2,100	0	48,186
<b>Mixed waste total</b>	<b>kg</b>	<b>51,537</b>	<b>20,686</b>	<b>20,428</b>	<b>770</b>	<b>265</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,321</b>	<b>3,160</b>	<b>610</b>	<b>98,777</b>
Screening waste for landfill	kg	0	0	0	0	0	32380	52,080	0	0	0	19,498	2,070	106,028
Sand for landfill	kg	0	0	0	0	0	94730	216,740	37,720	0	0	51,060	36,920	437,170
Fat for incineration	kg	0	0	0	0	0	43280	32,680	68,140	0	0	100,700	0	543,198
<b>Sewage waste total</b>	<b>kg</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>170,390</b>	<b>301,500</b>	<b>105,860</b>	<b>0</b>	<b>0</b>	<b>171,258</b>	<b>38,990</b>	<b>543,198</b>
Soil	kg	0	0	0	0	0	0	4,600	0	0	0	0	0	4,600
<b>Gardening waste total</b>	<b>kg</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,600</b>
Nytjahlutir	kg	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Nytjahlutir samtals</b>	<b>kg</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Gypsum	kg	7,320	0	0	0	0	0	0	0	0	0	0	0	7,320
Timber – painted	kg	21,420	4,000	7,360	0	0	0	0	0	0	0	860	0	33,640
Minerals	kg	13	8	23	0	7	0	0	0	0	8	0	0	59
Timber - unpainted	kg	11,621	1,380	2,900	52	40	0	0	0	0	0	0	0	15,993
<b>Construction waste total</b>	<b>kg</b>	<b>40,374</b>	<b>5,388</b>	<b>10,283</b>	<b>52</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>860</b>	<b>0</b>	<b>57,012</b>
Newspapers	kg	230	0	0	0	0	0	0	0	0	0	140	0	370
Office paper	kg	210	0	0	0	0	0	0	0	0	0	0	0	210
Cardboard	kg	14,021	980	3,560	350	30	0	0	0	0	0	500	345	19,786
<b>Paper and cardboard total</b>	<b>kg</b>	<b>14,461</b>	<b>980</b>	<b>3,560</b>	<b>350</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>640</b>	<b>345</b>	<b>20,366</b>

Category	Unit	Reykjavik (Baejarh)*	Nesjavellir, municipality of Grimsnes- and Grafningshreppur		Smaratorg 3 Kopavogur	Reykjavik (Baejarhals N-house)*	Reykjavik Ananaust sewage treatment	Reykjavik Klettagardar sewage treatment	Pumping stations in the capital area	Borgarbyggð sewage treatment plants		Borgarnes & Strykkisholmur	Hveragerdi	Reykjavik Energy and subsidiaries total
			Hellisheidi, municipality of Olfus							Akranes				
Glass and porcelain	kg	5	0	0	130	0	0	0	0	0	0	0	0	135
<b>Glass total</b>	<b>kg</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>130</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>135</b>
Food waste	kg	29,262	0	1,110	114	380	0	0	0	0	210	150	0	31,226
Cooking oil	kg	198	0	0	0	0	0	0	0	0	0	0	0	198
<b>Food waste total</b>	<b>kg</b>	<b>29,460</b>	<b>0</b>	<b>1,110</b>	<b>114</b>	<b>380</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>210</b>	<b>150</b>	<b>0</b>	<b>31,424</b>
Refridgerators & freezers	kg	90	0	0	0	0	0	0	0	0	0	0	0	90
Print cartridges	kg	0	0	0	0	0	0	0	0	0	0	0	0	0
Electronic equipment	kg	4,275	16	231	0	0	0	0	0	0	1	0	0	4,523
Wires and cables	kg	0	0	0	0	0	0	0	0	0	0	0	0	0
Televisions and monitors	kg	504	0	50	0	0	0	0	0	0	0	0	0	554
<b>Electronic equipment total</b>	<b>kg</b>	<b>4,869</b>	<b>16</b>	<b>281</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>5,167</b>
Metals	kg	76,020	3,520	15,560	0	0	0	0	0	0	0	4,160	0	99,260
<b>Metals total</b>	<b>kg</b>	<b>76,020</b>	<b>3,520</b>	<b>15,560</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,160</b>	<b>0</b>	<b>99,260</b>
Hard plastics	kg	90	0	0	0	0	0	0	0	0	0	400	0	490
Soft plastics	kg	15,120	0	1,300	84	400	130	50	0	0	895	2,300	360	20,639
Plastic packaging	kg	240	0	0	0	0	0	0	0	0	0	0	95	335
<b>Plastics total</b>	<b>kg</b>	<b>15,450</b>	<b>0</b>	<b>1,300</b>	<b>84</b>	<b>400</b>	<b>130</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>895</b>	<b>2,700</b>	<b>455</b>	<b>21,464</b>
Asbestos	kg	0	0	0	0	0	0	0	0	0	0	0	289,000	289,000
Light bulbs	kg	80	42	65	0	0	0	0	0	0	0	0	0	187
Paint	kg	40	0	0	0	75	0	0	0	0	0	0	0	115
Oil paint	kg	54	4	14	0	113	0	0	0	0	17	0	0	202
Oil filters	kg	1	19	52	0	0	0	0	0	0	3	0	0	75
Batteries	kg	81	20	21	0	77	0	0	0	0	3	0	0	202
Car batteries	kg	1,690	138	286	2,373	982	0	0	0	0	0	0	0	5,469
Hazardous materials	kg	91	0	3	1	188	2,300	0	0	0	9	0	0	2,592
Waste oil	kg	425	712	1,237	0	183	0	0	0	0	49	0	0	2,606
<b>Hazardous waste total</b>	<b>kg</b>	<b>2,462</b>	<b>935</b>	<b>1,678</b>	<b>2,374</b>	<b>1,618</b>	<b>2,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>81</b>	<b>0</b>	<b>289,000</b>	<b>300,448</b>

\* Office waste from Veitur Utilities' and ON Power's offices at Baejarhals included in Reykjavik Energy's numbers

\*\* RFN: Reykjavik Fibre Network