

SB 1383 Tonnages - Arcata + Eureka + Fortuna + Humboldt County Unincorporated

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Population	128,332	128,034	129,064	130,066	129,773	129,069	127,793	127,047	126,365	125,818	125,377	125,016	124,655	124,244	123,721	123,173	122,639	122,148	121,630	121,115	120,616	120,088
Disposal	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Commercial	38,710	42,939	44,218	47,498	43,640	42,854	42,430	42,183	41,956	41,775	41,628	41,508	41,389	41,252	41,078	40,896	40,719	40,556	40,384	40,213	40,047	39,872
Residential	16,854	19,986	22,021	25,338	24,967	24,518	24,275	24,134	24,004	23,900	23,816	23,748	23,679	23,601	23,502	23,398	23,296	23,203	23,104	23,007	22,912	22,812
Multifamily	6,557	6,712	6,286	6,021	4,799	4,712	4,666	4,639	4,614	4,594	4,578	4,564	4,551	4,536	4,517	4,497	4,478	4,460	4,441	4,422	4,404	4,385
Self-Haul	15,960	20,463	24,153	29,543	30,752	30,199	29,900	29,726	29,566	29,438	29,335	29,250	29,166	29,070	28,947	28,819	28,694	28,579	28,458	28,338	28,221	28,097
Disposal Tons	78,082	90,101	96,678	108,401	104,158	102,283	101,271	100,681	100,140	99,706	99,357	99,070	98,785	98,459	98,045	97,610	97,187	96,798	96,387	95,979	95,584	95,165
Green Waste ADC																						

Organic Disposed Tons	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Commercial	18,145	19,498	19,430	20,176	17,897	17,575	17,401	17,300	17,207	17,132	17,072	17,023	16,974	16,918	16,847	16,772	16,700	16,633	16,562	16,492	16,424	16,352
Residential	7,961	8,977	9,380	10,205	9,477	9,306	9,214	9,160	9,111	9,072	9,040	9,014	8,988	8,958	8,920	8,881	8,842	8,807	8,770	8,732	8,696	8,658
Multifamily	2,651	2,619	2,363	2,178	1,668	1,638	1,622	1,612	1,603	1,597	1,591	1,586	1,582	1,577	1,570	1,563	1,556	1,550	1,543	1,537	1,531	1,524
Self-Haul	6,301	7,156	7,357	7,666	6,593	6,474	6,410	6,373	6,339	6,311	6,289	6,271	6,253	6,232	6,206	6,179	6,152	6,127	6,101	6,075	6,050	6,024
Organic Disposal Tons	35,058	38,249	38,530	40,225	35,635	34,993	34,647	34,445	34,260	34,112	33,992	33,894	33,797	33,685	33,543	33,395	33,250	33,117	32,976	32,837	32,701	32,558

New Tons							17,118	18,721	20,323	21,925	23,528	25,130	25,032	24,921	24,779	24,630	24,485	24,352	24,212	24,072	23,937	23,794
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SB 1383 Target	8,764
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		New Tons																					
Commercial	Food	3,500	3,828	4,156	4,483	4,811	5,139	5,119	5,096	5,067	5,037	5,007	4,980	4,951	4,922	4,895	4,865						
	Green	797	872	946	1,021	1,095	1,170	1,165	1,160	1,154	1,147	1,140	1,134	1,127	1,121	1,114	1,108						
	Wood	1,449	1,585	1,721	1,857	1,992	2,128	2,120	2,110	2,098	2,086	2,073	2,062	2,050	2,038	2,027	2,015						
	Paper	1,250	1,367	1,484	1,601	1,718	1,835	1,828	1,820	1,810	1,799	1,788	1,779	1,768	1,758	1,748	1,738						
	Manure	175	191	208	224	240	257	256	255	253	252	250	249	247	246	245	243						
	Total	7,172	7,843	8,515	9,186	9,857	10,529	10,488	10,441	10,382	10,319	10,259	10,203	10,144	10,086	10,029	9,969						
Residential	Food	2,157	2,359	2,561	2,763	2,965	3,167	3,154	3,140	3,122	3,104	3,085	3,069	3,051	3,033	3,016	2,998						
	Green	678	741	804	868	931	995	991	986	981	975	969	964	958	953	947	942						
	Wood	300	328	357	385	413	441	439	437	435	432	430	427	425	422	420	417						
	Paper	866	947	1,028	1,109	1,190	1,271	1,266	1,261	1,253	1,246	1,239	1,232	1,225	1,218	1,211	1,204						
	Manure	103	112	122	131	141	151	150	149	148	148	147	146	145	144	143	143						
	Total	4,103	4,487	4,871	5,256	5,640	6,024	6,000	5,974	5,940	5,904	5,869	5,837	5,804	5,770	5,738	5,703						
Multifamily	Food	557	609	661	714	766	818	815	811	807	802	797	793	788	784	779	774						
	Green	91	100	108	117	125	134	133	133	132	131	131	130	129	128	128	127						
	Wood	5	6	6	7	7	8	8	8	8	8	8	7	7	7	7	7						
	Paper	135	148	160	173	185	198	197	196	195	194	193	192	191	190	189	188						
	Manure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Total	789	863	936	1,010	1,084	1,158	1,153	1,148	1,142	1,135	1,128	1,122	1,116	1,109	1,103	1,096						
Self-Haul	Food	2,202	2,408	2,615	2,821	3,027	3,233	3,220	3,206	3,188	3,169	3,150	3,133	3,115	3,097	3,080	3,061						
	Green	800	875	949	1,024	1,099	1,174	1,169	1,164	1,158	1,151	1,144	1,138	1,131	1,125	1,118	1,112						
	Wood	1,187	1,298	1,410	1,521	1,632	1,743	1,736	1,728	1,719	1,708	1,698	1,689	1,679	1,670	1,660	1,650						
	Paper	769	841	913	985	1,057	1,129	1,125	1,120	1,114	1,107	1,100	1,094	1,088	1,082	1,076	1,069						
	Manure	96	104	113	122	131	140	140	139	138	137	137	136	135	134	134	133						
	Total	5,054	5,527	6,000	6,473	6,946	7,420	7,391	7,358	7,316	7,272	7,229	7,190	7,148	7,107	7,067	7,025						
Total	Food	8,417	9,205	9,993	10,781	11,568	12,356	12,308	12,253	12,184	12,111	12,039	11,974	11,905	11,836	11,770	11,699						
	Green	2,366	2,587	2,808	3,030	3,251	3,473	3,459	3,444	3,424	3,404	3,384	3,365	3,346	3,327	3,308	3,288						
	Wood	2,942	3,218	3,493	3,769	4,044	4,319	4,303	4,283	4,259	4,233	4,209	4,186	4,162	4,138	4,114	4,090						
	Paper	3,020	3,303	3,586	3,869	4,151	4,434	4,417	4,397	4,372	4,346	4,320	4,297	4,272	4,247	4,224	4,198						
	Manure	373	408	443	478	513	548	545	543	540	537	533	531	528	524	522	518						
	Total	17,118	18,721	20,323	21,925	23,528	25,130	25,032	24,921	24,779	24,630	24,485	24,352	24,212	24,072	23,937	23,794						

Greenhouse Gas Impacts

		MTCO ₂ e															
		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Commercial	Food	2,415	2,641	2,867	3,094	3,320	3,546	3,532	3,516	3,496	3,475	3,455	3,436	3,416	3,396	3,377	3,357
	Green	406	445	483	521	559	597	594	592	588	585	581	578	575	572	568	565
	Wood	304	333	361	390	418	447	445	443	441	438	435	433	431	428	426	423
	Paper	638	697	757	817	876	936	932	928	923	917	912	907	902	897	892	886
	Manure	89	98	106	114	123	131	130	130	129	128	128	127	126	125	125	124
	Total	3,853	4,214	4,574	4,935	5,296	5,656	5,634	5,609	5,577	5,544	5,511	5,481	5,450	5,418	5,388	5,356
Residential	Food	1,488	1,628	1,767	1,906	2,046	2,185	2,176	2,167	2,154	2,141	2,129	2,117	2,105	2,093	2,081	2,069
	Green	346	378	410	443	475	507	505	503	500	497	494	492	489	486	483	480
	Wood	63	69	75	81	87	93	92	92	91	91	90	90	89	89	88	88
	Paper	442	483	524	566	607	648	646	643	639	635	632	628	625	621	618	614
	Manure	52	57	62	67	72	77	76	76	76	75	75	74	74	74	73	73
	Total	2,391	2,615	2,838	3,062	3,286	3,510	3,496	3,481	3,461	3,440	3,420	3,401	3,382	3,362	3,343	3,323
Multifamily	Food	384	420	456	492	528	564	562	560	556	553	550	547	544	541	538	534
	Green	47	51	55	60	64	68	68	68	67	67	67	66	66	65	65	65
	Wood	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	Paper	69	75	82	88	95	101	101	100	100	99	98	98	97	97	96	96
	Manure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	501	548	595	642	688	735	733	729	725	721	717	713	709	704	700	696
Self-Haul	Food	1,520	1,662	1,804	1,946	2,089	2,231	2,222	2,212	2,200	2,186	2,174	2,162	2,149	2,137	2,125	2,112
	Green	408	446	484	522	561	599	596	594	590	587	583	580	577	574	570	567
	Wood	249	273	296	319	343	366	365	363	361	359	357	355	353	351	349	347
	Paper	392	429	466	502	539	576	574	571	568	564	561	558	555	552	549	545
	Manure	49	53	58	62	67	72	71	71	71	70	70	69	69	68	68	68
	Total	2,618	2,863	3,108	3,353	3,598	3,843	3,828	3,811	3,789	3,767	3,744	3,724	3,703	3,681	3,661	3,639
Total	Food	5,808	6,351	6,895	7,439	7,982	8,526	8,493	8,455	8,407	8,356	8,307	8,262	8,214	8,167	8,121	8,073
	Green	1,206	1,319	1,432	1,545	1,658	1,771	1,764	1,756	1,746	1,736	1,726	1,716	1,706	1,697	1,687	1,677
	Wood	618	676	734	791	849	907	904	900	894	889	884	879	874	869	864	859
	Paper	1,540	1,685	1,829	1,973	2,117	2,261	2,253	2,243	2,230	2,216	2,203	2,191	2,179	2,166	2,154	2,141
	Manure	190	208	226	244	261	279	278	277	275	274	272	271	269	267	266	264
	Total	9,363	10,239	11,115	11,992	12,868	13,745	13,691	13,630	13,553	13,471	13,392	13,319	13,242	13,166	13,092	13,014

Factors (MTCO₂e/ton)

Food	0.69	CARB - Food Composting - Including Avoided Landfill
Green	0.51	CARB - Green Composting
Wood	0.21	WARM - Combustion - Including Avoided Landfill
Paper	0.51	CARB - Green Composting - Including Avoided Landfill
Manure	0.51	CARB - Green Composting - Including Avoided Landfill