

Cape Cod Household Hazardous Waste Report for 2004

Collections funded in part by Barnstable County

prepared by

Barnstable County

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Cape Cod Household Hazardous Waste Report for 2004

This report compiles the results of household hazardous waste collections held in 2004 in Cape Cod's 15 towns. It is hoped that this information will be helpful in refining collection programs, increasing their cost-effectiveness and monitoring trends in each town and regionally.

The report includes seven tables. The first table describes the amount of waste collected. The second and third tables indicate the number of households served in each town and the participation rate based on both 1990 and 2000 Census data on year-round households in each town. The fourth and fifth tables detail the total cost per town for waste disposal and provide a cost breakdown per household served. The sixth and seventh tables indicate the number of cars served at each event and the resulting cost per car.

Since 1998, Cape Cod towns have held 163 collection events, with most since 2000 being multiple events with joint participation from different towns. This means that year-to-year comparisons of household hazardous waste collection events are difficult, and can be somewhat misleading, particularly given that many towns now hold joint/multiple collections. As such, it is important to look at trends in the information.

Overall, more towns are holding collections than in the early 1990s, costs remain under control, and towns continue to divert a significant amount of waste that might otherwise be disposed at either SEMASS, the regional waste-to-energy incinerator in Rochester, Massachusetts, or into septic systems and sewage treatment plants.

Average cost for waste disposal is a good indicator of trends. It reflects the hazardous waste disposal company's cost of providing services to Cape towns, a factor that is influenced by better bidding and prices in the national waste disposal market.

With these points in mind, some conclusions can be drawn from the 2004 data:

- **Regional participation rates remained strong.** Twelve towns again achieved 5% or greater involvement by their year-round households in 2004. This is the second year of this level of participation, and represents an increase over 1998-2002.
- **Costs continued to remain low: The average cost per household Capewide was \$26.** It should be noted that per-participant costs have remained under \$30 for the seven years in this report, despite increasing the number of events held. And, waste disposal cost figures since 2000 have included additional expenses incurred by towns such as advertising or paying for a police traffic detail.
- **All Cape towns held at least one collection event.** And, as in 2002 and 2003, Harwich held multiple joint collections with Brewster and Chatham, and the Upper Cape towns held multiple events. Further, the three Outer Cape towns also held joint collections. Barnstable combined with Yarmouth for the second year, and held multiple events at Barnstable's transfer station. Only Dennis, Eastham and Orleans did not hold joint events.

2004 was the sixth year Harwich operated a household hazardous waste collection center, and the third year that Brewster, Chatham and Harwich held joint events. The Harwich Highway Department oversees the facility at the town landfill, which was open from mid-May to mid-October.

The four towns bordering the Massachusetts Military Reservation (Bourne, Falmouth, Mashpee, and Sandwich) working with Coast Guard Air Station Cape Cod, also held a fourth year of combined events in 2003.

The Cape Cod Commission, in cooperation with the Cape Cod Cooperative Extension, also continued the effort to distribute a supply of digital thermometers provided by SEMASS at household hazardous waste collections. The intent is to give participants an incentive to properly dispose of mercury-containing fever thermometers. Educational materials distributed before collection events also advised people to bring in other mercury-containing devices (boat bilge pump switches, gauges, etc.) for proper disposal. Overall, the mercury collection program continued to be a success. Information from Cape Cod Extension indicates that approximately 122 pounds of mercury, including elemental mercury, thermometers, thermostats, switches, and blood pressure cuffs, were collected by Cape towns, businesses and other organizations.

The Cape Cod Commission began to compile data on one-day events in 1992. In the seven years between 1998 and 2004, Cape towns collected approximately 257,867 gallons of household hazardous waste, or an average of 36,838 gallons per year. However, this figure represents only a part of the Cape's household hazardous waste management picture. Towns continue to manage other wastes year-round at Recycling Centers and Transfer Stations. This report does not include paint or related materials swapped or collected for disposal at paint sheds or used oil, oil filters, antifreeze and fluorescent light bulbs collected and disposed of through ongoing municipally run programs.

The Cape Cod Commission staff welcomes comments on this report. Also available by contacting the Cape Cod Commission is a list of the dates of the household hazardous waste collections since 1992.

TABLE 1

Waste Collected (in Gallons)

See also Table 1a

Household Hazardous Waste Collections, 1998 - 2004

Cape Cod, Massachusetts

	Gallons of Waste Collected					
	1998	1999	2000	2001	2002	2003
Barnstable	6,275 <small>Footnote 1</small>	7,975 <small>Footnote 2</small>	7,230 <small>Footnote 8</small>	5,600 <small>Footnote 11</small>	-	18,865 <small>Footnote 12</small>
Bourne	3,305 <small>Footnote 1</small>	3,285 <small>Footnote 2</small>	<small>Footnotes 6 & 7</small>	13,105 <small>Footnotes 6 & 9</small>	3,390 / 2,270 <small>Footnote 6</small>	2,635 / 2,225 <small>Footnote 6</small>
Brewster	1,265	1,020	1,580	1,760 <small>Footnote 5</small>	See Harwich	See Harwich
Chatham	1,680	925 <small>Footnote 2</small>	1,030	1,350 <small>Footnote 5</small>	See Harwich	See Harwich
Dennis	1,725 / 786 <small>Footnote 1</small>	No data / 2,065 <small>Footnote 2</small>	No data / 2,580	1,935 / 2,345	2,155 / 2,015	2,175 / 2,530
Eastham	1,330	1,525 <small>Footnote 2</small>	1,235 <small>Footnote 8</small>	800	1,445	1,585
Falmouth	2,040 / 3,200 <small>Footnote 1</small>	2,100 / 2,360 <small>Footnote 2</small>	11,880 <small>Footnotes 6 & 7</small>	See Bourne	4,135 <small>Footnote 6</small>	3,580 <small>Footnote 6</small>
Harwich	880	770 <small>Footnote 5</small>	715 <small>Footnote 5</small>	770 <small>Footnote 5</small>	3,410 <small>Footnote 5</small>	6,701 <small>Footnote 5</small>
Mashpee	990 <small>Footnote 1</small>	1,245 <small>Footnote 2</small>	<small>Footnotes 6 & 7</small>	See Bourne	2,195 / 2,045 <small>Footnote 6</small>	1,280 / 2,055 <small>Footnote 6</small>
Orleans	1,550	970	1,105 <small>Footnote 8</small>	935	1,305	1,570
Provincetown	-	876 <small>Footnote 2</small>	-	3,755 <small>Footnote 10</small>	1,145 <small>Footnote 10</small>	755 <small>Footnote 10</small>
Sandwich	3,275 <small>Footnote 1</small>	No data	<small>Footnotes 6 & 7</small>	See Bourne	2,025 <small>Footnote 6</small>	2,100 <small>Footnote 6</small>
Truro	750 <small>Footnote 1</small>	725	920	See Provincetown	825 <small>Footnote 10</small>	935 <small>Footnote 10</small>
Wellfleet	590 <small>Footnote 4</small>	815 <small>Footnote 4</small>	695 <small>Footnote 4</small>	See Provincetown	705 <small>Footnote 10</small>	1,445 <small>Footnote 10</small>
Yarmouth	3,740	3,255 / 1,760	2,340 / 1,430	2,980	1,560	920 <small>Footnote 12</small>
Total Waste	33,381	30,901	32,740	35,335	30,625	51,356

(Footnote 3)

Notes

Compiled by the Cape Cod Cooperative Extension from town data.

Amount of waste collected includes packing materials.

Numbers in the same column separated by a slash (/) indicate information for more than one collection.

Waste data include or exclude Air Station Cape Cod as noted.

1. In 1998, Barnstable, Bourne, Dennis, Falmouth, Mashpee, Sandwich and Truro collected 3,714 pounds of non-liquid waste in addition to the gallons shown in this Table.
2. In 1999, Barnstable, Bourne, Chatham, Dennis, Eastham, Falmouth, Mashpee, and Provincetown collected 9,705 pounds of non-liquid waste in addition to the gallons shown in this Table.
3. In 2000, all the Cape towns collected 1,295 gallons of waste at their transfer stations in addition to the gallons shown in this Table.
4. In 1998-2000, entries for Wellfleet indicate collection events where waste was combined with Truro because these towns shared a single collection site.

Additional detailed footnotes for Table 1 are included in this report.

Additional Notes for Table 1

5. The figures shown in Table 2 for Harwich in 1999 to 2004 represent the sum total of all collection events for those years. Harwich data from 2001 to 2004 include waste taken from Brewster and Chatham residents.

6. The figures shown in Table 2 for Bourne, Falmouth, Mashpee, and Sandwich for 2000 to 2004 represent the total of each town's multiple collection events.

7. In 2000, the towns of Bourne, Falmouth, Mashpee, and Sandwich, with the Coast Guard Air Station, collected approximately 11,880 gallons of waste from multiple events.

8. In 2000, the towns of Barnstable, Eastham, and Orleans collected other wastes not accounted for in this Table, including a drum of household batteries, zinc phosphide, and 425 pounds of coal tar with asbestos.

9. In 2001, the towns of Bourne, Falmouth, Mashpee, and Sandwich, with the Coast Guard Air Station, collected approximately 13,105 gallons and 200 pounds of waste from multiple events.

10. Each year between 2001 and 2004, the towns of Provincetown, Truro and Wellfleet held reciprocal events. Waste amount shown in 2001 is combined and shown as an entry for Provincetown. Waste amounts shown in 2002 to 2004 represent the sum total of each town's collection events.

11. In 2001, Barnstable collected 72 automobile batteries and dry cell batteries in addition to the gallons shown in Table 2.

12. In 2003, Barnstable and Yarmouth held multiple collections at Barnstable's transfer station. Yarmouth also hosted a collection in June. Waste amounts shown represent the total of each town's collection events.

See Table 1a for data from 2004 on.

TABLE 1a

Waste Collected (in Gallons)

(continued)

**Household Hazardous Waste Collections, 1998 - 2004
Cape Cod, Massachusetts**

	Gallons of Waste Collected
	2004
Barnstable	10,165
Bourne	2,100
Brewster	See Harwich
Chatham	See Harwich
Dennis	2,250 / 1,825
Eastham	1,455
Falmouth	6,645
Harwich	7,735
Mashpee	1,840
Orleans	1,620
Provincetown	1,235
Sandwich	4,425
Truro	810
Wellfleet	1,415
Yarmouth	See Barnstable
Total Waste	43,520

Notes

Compiled by the Cape Cod Cooperative Extension from town data.

Amount of waste collected includes packing materials.

Numbers in the same column separated by a slash (/) indicate information for more than one collection.

Waste data include or exclude Air Station Cape Cod as noted.

1. In 2004, all towns except Dennis, Eastham, and Orleans held multiple events in conjunction with more than one town. Data shown is for the event which the town in question hosted.

TABLE 2 Households Served

**Household Hazardous Waste Collections, 1998 - 2004
Cape Cod, Massachusetts**

	Households Served						
	1998	1999	2000	2001	2002	2003	2004
Barnstable	586	854 (e)	716 (e)	991 (e)	-	1,311	1,149
Bourne	337	301	300	342	382	332	266
Brewster	183 (e)	147	250 (e)	318	137	254	361
Chatham	197	102	152	200	191	231	323
Dennis	280 (e) / 201	256 (e) / 240	262 / 233	375 (e) / 310	362 (e) / 316	319 / 398	393 / 302
Eastham	161	105	169	84	189	198	222
Falmouth	146 / 364	259 / 243	700	547	755	666	983
Harwich	66	593 (e)	234	366	341	289	420
Mashpee	94	132	164	201	350	206	191
Orleans	135	106	125	164	136	164	193
Provincetown	-	77 (e)	-	151	168	117	131
Sandwich	337	210 (e)	315	315	424	458	643
Truro	112 (e)	49 (e)	93	132	118	130	87
Wellfleet	51 / 112 (e)	83 / 85 (e)	68 / 43	102	104	182	185
Yarmouth	434	486 / 287	290 / 292 (e)	387 / 148	270	110 / 204	198
Totals	3,788	4,275	4,406	5,133	4,243	5,669	6,047

Notes

Compiled by the Cape Cod Cooperative Extension from town data.

Except as noted below, numbers separated by a slash (/) indicate households served at more than one collection event.

Participation does not include Air Station Cape Cod.

From 1998 to 2000, Truro and Wellfleet held joint collection events.

Figure for Truro 1998 is combined Truro and Wellfleet participation. Second figure shown for Wellfleet in 1998 is combined Truro and Wellfleet participation.

Provincetown, Truro, and Wellfleet held three joint collections in 2001 to 2004, open to residents from any of the three towns. Each town hosted one event.

Figures for Harwich in 1999 - 2004 and Brewster and Chatham in 2002 - 2004 show combined participation for multiple events.

Figures for Bourne, Falmouth, Mashpee, and Sandwich in 2000 - 2004 show participation of residents in each town at multiple events.

Figures for Barnstable and Yarmouth in 2004 show combined participation at multiple events in Barnstable, except that Yarmouth also hosted an event in June, 2003.

(e)=Estimated data

TABLE 3 Participation Rate

**Household Hazardous Waste Collections, 1998 - 2004
Cape Cod, Massachusetts**

	Households	Households	Households
	1990	Estimated 2000	2000 Census
Barnstable	16,601	19,195	19,626
Bourne	5,898	7,050	7,439
Brewster	3,383	4,082	4,124
Chatham	3,023	3,436	3,160
Dennis	6,194	6,695	7,504
Eastham	1,908	2,202	2,396
Falmouth	11,274	13,221	13,859
Harwich	4,505	5,314	5,471
Mashpee	3,158	3,993	5,256
Orleans	2,722	3,084	3,087
Provincetown	1,941	2,108	1,837
Sandwich	5,557	7,003	7,335
Truro	699	816	907
Wellfleet	1,129	1,274	1,301
Yarmouth	9,594	10,544	11,520
Totals	77,586	90,017	94,822

Participation Rate						
1998	1999	2000 (uses Est.)	2001	2002	2003	2004
4%	4%	4%	5%	-	7%	6%
6%	4%	4%	5%	5%	4%	4%
5%	4%	6%	8%	3%	6%	9%
7%	3%	4%	6%	6%	7%	10%
5% / 3%	4% / 4%	4% / 4%	5% / 4%	5% / 4%	10%	9%
8%	5%	8%	4%	8%	8%	9%
1% / 3%	2% / 2%	5%	4%	5%	5%	7%
1%	Footnote	4%	7%	6%	5%	8%
3%	3%	4%	4%	7%	4%	4%
5%	3%	4%	5%	4%	5%	6%
-	4%	-	8%	9%	6%	7%
6%	3%	4%	4%	6%	6%	9%
-	6%	11%	15%	13%	14%	10%
5% / -	7% / 8%	5% / 3%	8%	8%	14%	14%
5%	5% / 3%	3% / 3%	3% / 1%	2%	3%	2%

Average Participation Rate

5%	5%	5%	5%	4%	6%	6%
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Notes

Population data source: US Census

Compiled by the Cape Cod Cooperative Extension from town data.

Data do not include participation from Air Station Cape Cod.

Data from events in 1998 and 1999 have been compared to households from 1990 Census, as shown.

Data from 2000 events have been compared to the estimated 2000 households, as shown. Estimate is based on 1999 population projections and population per household.

Data from events in 2001 and beyond have been compared to the actual 2000 Census data, as shown.

For Bourne, Falmouth, Mashpee, and Sandwich in 2000 - 2004, participation shown is for multiple events.

For Harwich in 1999, the range of participation at six events was 1 to 5%. Combined, overall participation for all six events was 13%.

For Harwich in 2000 - 2004, the participation rate shown is for multiple events.

For Brewster and Chatham in 2002 - 2004, the participation rate shown is for multiple events.

For Provincetown, Truro, and Wellfleet in 2001 - 2004, rate shown is for multiple events.

For Barnstable and Yarmouth in 2003 and 2004, participation is for multiple events.

TABLE 4 Total Cost

**Household Hazardous Waste Collections, 1998 - 2004
Cape Cod, Massachusetts**

	Total Cost						
	1998	1999	2000	2001	2002	2003	2004
Barnstable	\$18,810	\$25,645	\$26,750	\$20,900	-	\$33,401	\$31,817
Bourne	\$7,385	\$11,930	\$6,133	\$9,034	\$10,576	\$9,036	\$6,981
Brewster	\$3,195	\$3,450	\$4,957	\$6,590	\$2,774	\$7,508	\$8,869
Chatham	\$4,050	\$3,670	\$3,105	\$5,583	\$4,022	\$6,862	\$7,794
Dennis	\$6,270 / \$5,876	\$6,385 / \$6,635	\$7,446 / \$8,021	\$7,915 / \$7,239	\$8,175 / \$6,385	\$8,775 / \$9,438	\$8,505 / \$7,045
Eastham	\$3,220	\$5,245	\$5,931	\$2,623	\$5,520	\$5,785	\$5,270
Falmouth	\$4,870 / \$7,960	\$6,500 / \$7,500	\$14,186	\$15,207	\$20,623	\$17,621	\$25,238
Harwich	\$2,235	\$6,255	\$5,775	\$6,140	\$7,073	\$8,116	\$10,213
Mashpee	\$2,700	\$4,895	\$3,331	\$5,600	\$9,518	\$5,422	\$4,833
Orleans	\$5,040	\$3,290	\$5,490	\$4,505	\$5,555	\$5,725	\$6,130
Provincetown	-	\$3,265	-	\$4,677	\$4,878	\$3,204	\$4,371
Sandwich	\$12,500	\$7,047	\$6,410	\$8,632	\$11,634	\$12,199	\$16,646
Truro	\$1,028	\$1,255	\$1,300	\$4,824	\$3,404	\$3,560	\$3,525
Wellfleet	\$1,720/\$1,028	\$2,845 / \$1,255	\$1,395 / \$1,300	\$4,229	\$3,063	\$4,983	\$6,204
Yarmouth	\$8,870	\$11,220 / \$6,675	\$9,854 / \$6,778	\$10,836 / \$5,328	\$9,720	\$3,658 / \$5,199	\$5,615
Totals	\$96,757	\$124,962	\$118,162	\$129,862	\$112,920	\$150,519	\$159,056

Notes

Compiled by the Cape Cod Cooperative Extension from town data. Some figures have been rounded to the nearest whole dollar.

The cost data in this report have not been adjusted to reflect supplemental funding provided by the County of Barnstable to cooperative collection events in 2001 - 2004.

Figures shown for Harwich in 1999 - 2004 are the combined waste disposal cost for multiple events.

Figures shown for Brewster and Chatham in 2002 - 2004 show the combined waste disposal cost for multiple events.

Figures shown for Barnstable and Yarmouth in 2003 and 2004 show the combined waste disposal cost for multiple events.

Figures for 2000 - 2004 may include additional costs incurred by towns for things such as advertising, police traffic details or provision of containers for general trash.

TABLE 5 Cost per Household Served

**Household Hazardous Waste Collections, 1998 - 2004
Cape Cod, Massachusetts**

	Cost per Household Served						
	1998	1999	2000	2001	2002	2003	2004
Barnstable	\$32	\$30	\$37	\$21	-	\$25	\$28
Bourne	\$22	\$40	\$20	\$27	\$28	\$27	\$26
Brewster	\$17	\$23	\$20	\$21	\$20	\$30	\$25
Chatham	\$21	\$36	\$20	\$28	\$21	\$30	\$24
Dennis	\$22 / \$29	\$25 / \$28	\$28 / \$34	\$21 / \$23	\$23 / \$22	\$27 / \$24	\$22 / \$23
Eastham	\$20	\$50	\$35	\$31	\$29	\$29	\$24
Falmouth	\$33 / \$22	\$25 / \$31	\$20	\$28	\$27	\$26	\$26
Harwich	\$34	\$25	\$25	\$17	\$21	\$28	\$24
Mashpee	\$29	\$37	\$20	\$28	\$27	\$26	\$25
Orleans	\$37	\$31	\$44	\$27	\$41	\$35	\$32
Provincetown	-	\$42	-	\$31	\$29	\$27	\$33
Sandwich	\$37	\$34	\$20	\$27	\$27	\$27	\$26
Truro	-	\$26	\$14	\$37	\$29	\$27	\$41
Wellfleet	\$34 / -	\$34 / \$15	\$21 / \$30	\$41	\$29	\$27	\$34
Yarmouth	\$20	\$23 / \$23	\$34 / \$23	\$28 / \$36	\$36	\$33 / \$25	\$28

Average Cost per Household Served On Cape Cod

\$26	\$29	\$27	\$25	\$27	\$27	\$26
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Notes

Compiled by the Cape Cod Cooperative Extension from town data.

Cost per household for Brewster and Chatham in 2002 - 2004 is combined from multiple events.

Cost per household for Bourne, Falmouth, Mashpee, and Sandwich in 2000 - 2004 is combined from multiple collections.

Cost per household for Harwich in 1999 - 2004 is combined from multiple collections.

Cost per household for Provincetown, Truro and Wellfleet in 2001 - 2004 is combined from multiple events.

Cost per household for Barnstable and Yarmouth in 2003 and 2004 is for multiple events.

Cost per household in 2000 - 2004 may include expenses incurred by towns for things such as advertising, police traffic details, or provision of containers for trash.

Figures have not been adjusted to reflect supplemental funding from Barnstable County.

TABLE 6 Cars Served

**Household Hazardous Waste Collections, 1998 - 2004
Cape Cod, Massachusetts**

	Cars Served						
	1998	1999	2000	2001	2002	2003	2004
Barnstable	580	700 (e)	587 (e)	793	-	1,050	936
Bourne	289	269	243	277	254	285	202
Brewster	150	141	200 (e)	274	117	202	261
Chatham	191	80 (e)	148	194	136	175	229
Dennis	224 / 157(e)	210 / 187(e)	215 / 233	300 (e) / 310	309 / 306	308 / 355	362 / 259
Eastham	153	102	162	72	172	152	143
Falmouth	126 / 315	219 / 210	582	339	483	498	713
Harwich	66	208	227	349	292	251	328
Mashpee	88	120	136	164	208	91	149
Orleans	116	106	117	152	126	147	153
Provincetown	-	63	-	106	116	85	84
Sandwich	322	172	348	255	309	425	708
Truro	90 (e)	40	74	107	83	81	82
Wellfleet	45 / 90 (e)	75 / 70	62 / 35	84	89	138	146
Yarmouth	385	411 / 270	270 / 239	310 / 120	238	99 / 149	153
Totals	3,383	3,653	3,878	4,206	3,238	4,491	4,908

Notes

Compiled by the Cape Cod Cooperative Extension from town data.

No figures shown for Truro or Wellfleet in 1998 for cost per car because the number of cars for these events is combined.

Figures for Bourne, Falmouth, Mashpee, and Sandwich in 2000 - 2004 combine multiple collections.

Figures for Harwich in 1999 - 2004 and Brewster and Chatham in 2002 - 2004 combine multiple collections.

Figures for Provincetown, Truro, and Wellfleet in 2001 - 2004 combine multiple events.

Figures for Barnstable and Yarmouth in 2003 and 2004 combine multiple events.

(e)=Estimated data

TABLE 7 Cost per Car Served

**Household Hazardous Waste Collections, 1998 - 2004
Cape Cod, Massachusetts**

	Cost per Car						
	1998	1999	2000	2001	2002	2003	2004
Barnstable	\$32	\$37	\$46	\$26	-	\$32	\$34
Bourne	\$26	\$44	\$25	\$32	\$42	\$32	\$35
Brewster	\$21	\$24	\$25	\$24	\$24	\$37	\$34
Chatham	\$21	\$46	\$21	\$29	\$30	\$39	\$34
Dennis	\$27 / \$37	\$30 / \$35	\$35 / \$34	\$26 / \$23	\$26 / \$21	\$28 / \$27	\$23 / \$27
Eastham	\$21	\$51	\$37	\$36	\$32	\$38	\$37
Falmouth	\$39 / \$25	\$30 / \$36	\$24	\$45	\$43	\$35	\$35
Harwich	\$34	\$30	\$25	\$18	\$24	\$32	\$31
Mashpee	\$31	\$41	\$24	\$34	\$46	\$60	\$32
Orleans	\$43	\$31	\$47	\$30	\$44	\$39	\$40
Provincetown	-	\$52	-	\$44	\$42	\$38	\$52
Sandwich	\$39	\$41	\$18	\$34	\$38	\$29	\$24
Truro	-	\$31	\$18	\$45	\$41	\$44	\$43
Wellfleet	\$38 / -	\$38 / \$18	\$23 / \$37	\$50	\$34	\$36	\$42
Yarmouth	\$23	\$27 / \$25	\$36 / \$28	\$35 / \$44	\$41	\$37 / \$35	\$37

Cost per Car Served

\$29	\$34	\$30	\$31	\$35	\$34	\$32
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Notes

Compiled by the Cape Cod Cooperative Extension from town data.

No figures shown for Truro or Wellfleet in 1998 for cost per car because the number of cars for these events is combined.

Figures shown for Harwich in 1999 - 2004 and Brewster and Chatham in 2002 combine multiple collections.

Figures shown for Bourne, Falmouth, Mashpee, and Sandwich in 2000 - 2004 combine multiple collections.

Figures shown for Provincetown, Truro and Wellfleet in 2001 - 2004 combine multiple collections.

Figures shown for Barnstable and Yarmouth in 2003 and 2004 combine multiple collections.

Cost per car in 2000 - 2004 may include expenses incurred by towns for things such as advertising, police traffic details, or provision of containers for general trash.

Figures also exclude supplemental funding from Barnstable County.