

MSW Interstate Flow 2006 Data

Final – July 23, 2008

General Summary of MSW Flow within NEWMOA States:

- All states (except RI and VT) import waste from other NEWMOA states - ME, NH, NJ & NY import a significant amount
- All states export waste to other NEWMOA states - CT, MA, NY & VT export a significant amount

How Much of MSW Generated in a State Was Exported in 2006:

- CT – 16.1%
- ME – 7.9%
- **MA – 21.6%**
- NH – 9.2%
- **NJ – 42.2%**
- **NY – 39.7%**
- RI – 2.9%
- **VT – 21.3%**

How Much of MSW Disposed in a State Was Imports in 2006:

- CT – 1.4%
- **ME – 16%**
- MA – 4.2%
- **NH – 41.6%**
- **NJ – 14.5%**
- NY – 8.9%
- RI – 0%
- VT – 0%

Significant Changes in 2006 Data When Compared to 2005 Data

- CT: exports increased to MA (30K) and NH (15K), exports decreased to non-NEWMOA states (70K), and in-state disposal increased (55K)
- ME: imports decreased from MA (20K) and NH (10K)
- MA: exports increased to NH (200K) and NY (85K), exports decreased to ME (20K) and non-NEWMOA states (180K), and in-state disposal increased (100K)
- NH: imports increased from MA(200K) and CT (15K), exports decreased to ME (10K), and in-states disposal decreased (60K)
- NJ: exports increased to NY (50K) and imports decreased from NY (20K)
- NY: exports decreased to non-NEWMOA states (140K), imports increased from non-NEWMOA states (200K) and MA (85K), and in-state disposal increased (400K)
- VT: exports decreased to NY (20K)

Significant Data Discrepancies Between State Data in 2006 (>50,000 tons)

- Imports to NH from MA
 - NH reported 307,574 tons more than MA
- Imports to NY from MA
 - NY reported 113,124 tons more than MA

Figure 1: 2006 MSW Imports and Exports (tons)

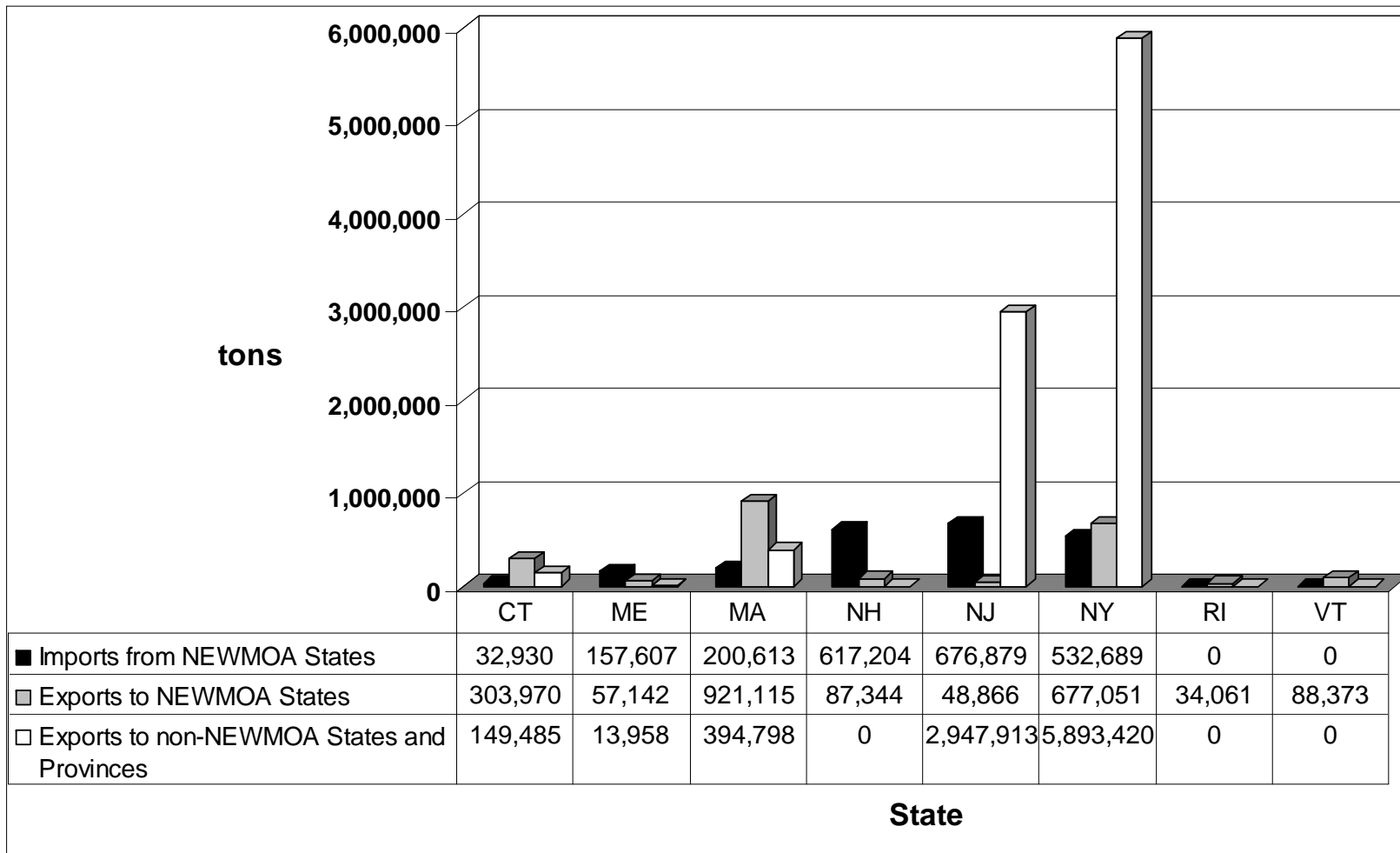
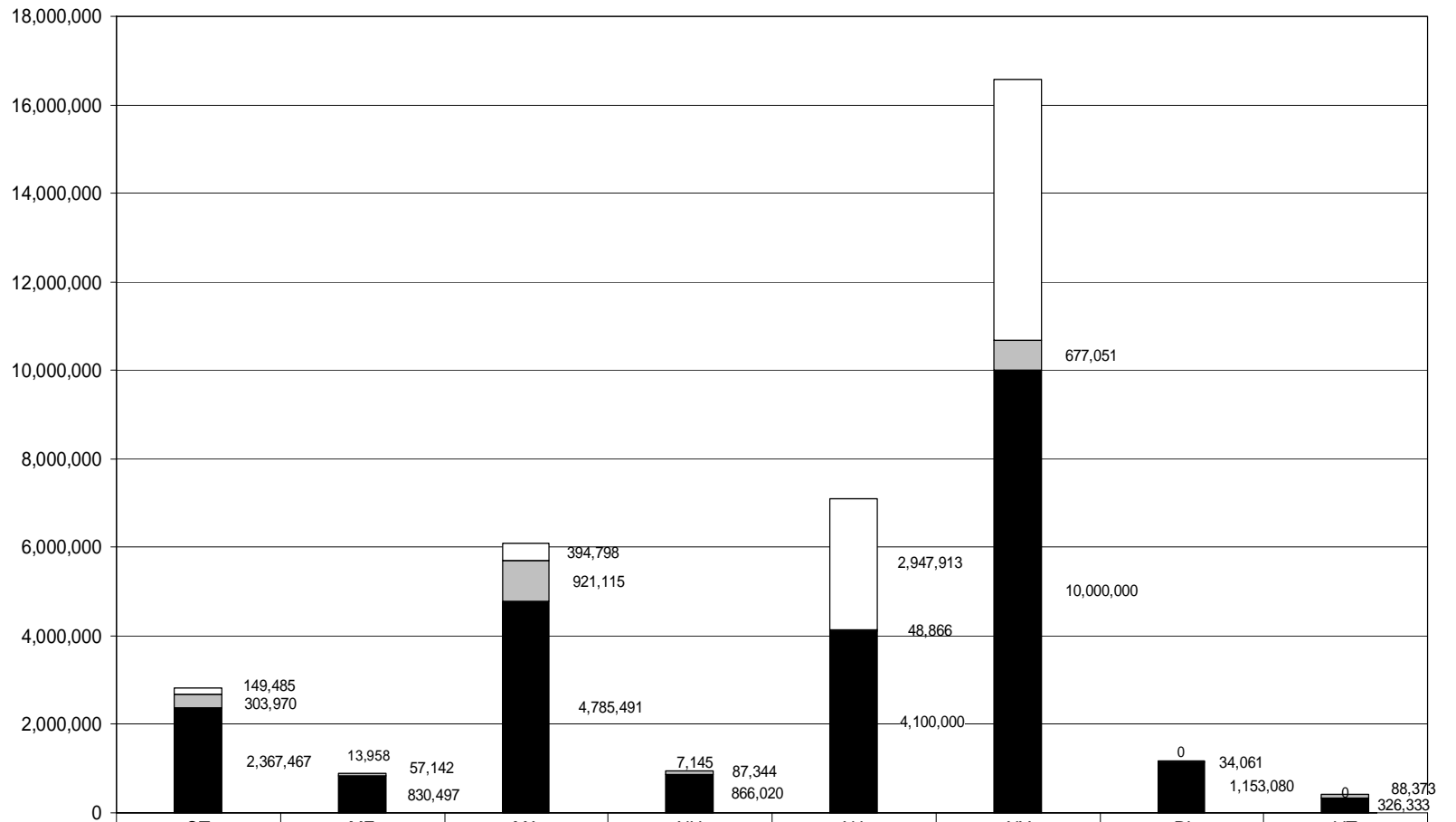
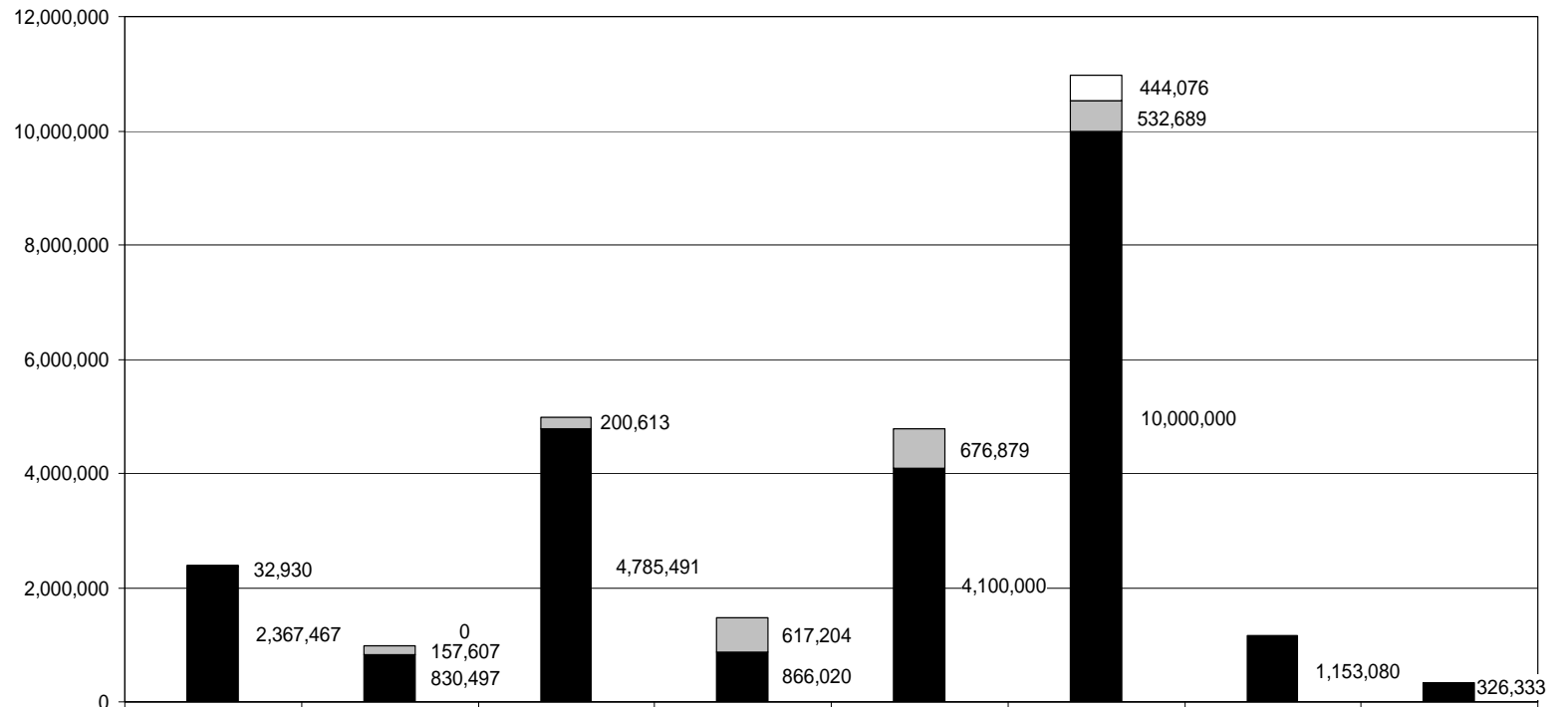


Figure 2: MSW Generated by State and Disposed (2006, in tons)



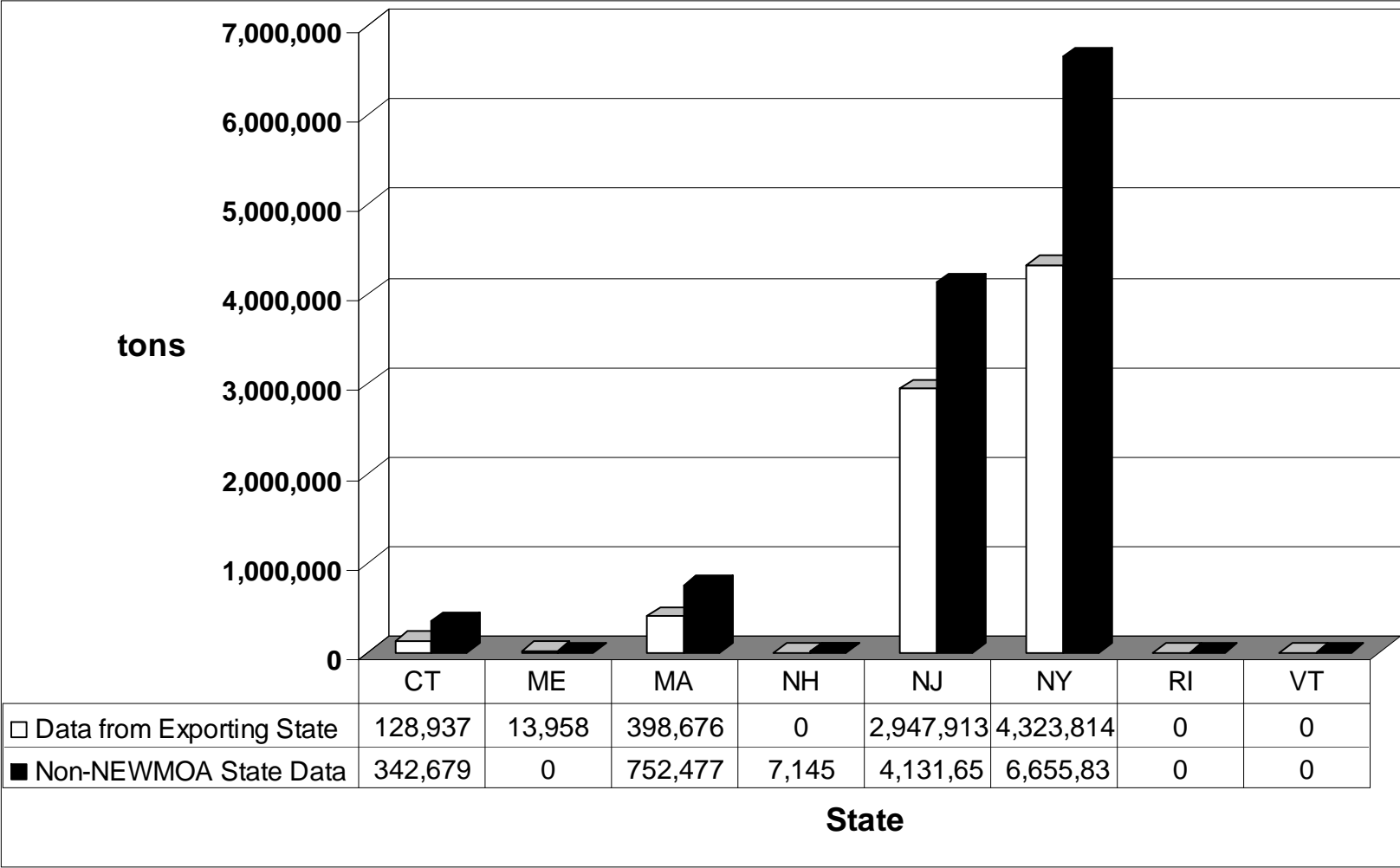
	CT	ME	MA	NH	NJ	NY	RI	VT
□ Exports to non-NEWMOA States and Provinces	149,485	13,958	394,798	7,145	2,947,913	5,893,420	0	0
▒ Exports to NEWMOA States	303,970	57,142	921,115	87,344	48,866	677,051	34,061	88,373
■ Disposed of In-State	2,367,467	830,497	4,785,491	866,020	4,100,000	10,000,000	1,153,080	326,333

Figure 3: Total Quantity of MSW Disposed of In-State (2006, in tons)



	CT	ME	MA	NH	NJ	NY	RI	VT
□ Imports from Non-NEWMOA States	0	0	0	0	16,014	444,076	0	0
▒ Imports from NEWMOA States	32,930	157,607	200,613	617,204	676,879	532,689	0	0
■ In-state Generated Waste	2,367,467	830,497	4,785,491	866,020	4,100,000	10,000,000	1,153,080	326,333

Figure 4: 2006 Exports to Non-NEWMOA States and Provinces



**Figure 5: In-State Disposal of MSW Generated In-State
1999 through 2006**

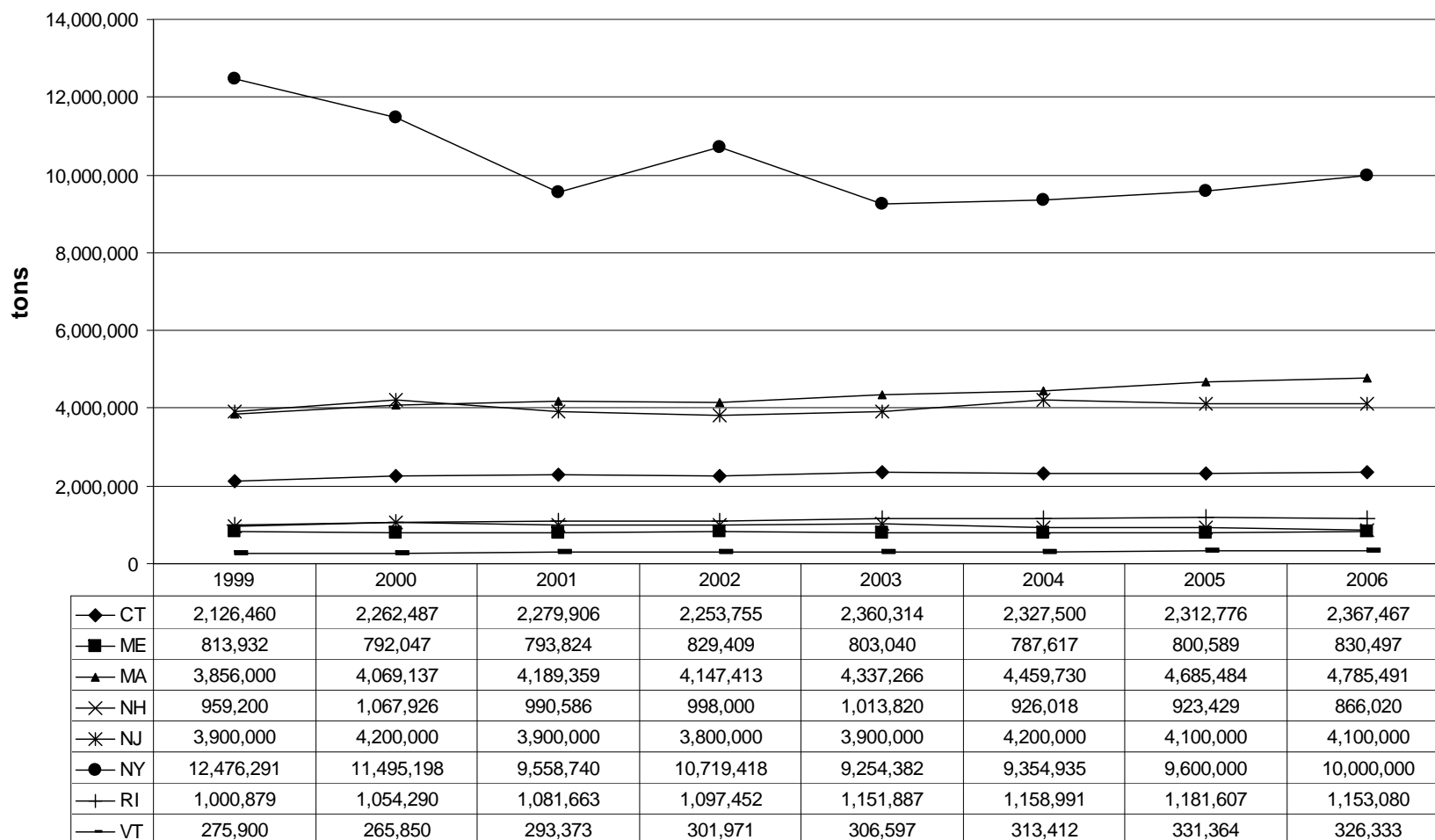


Figure 6: MSW Imports from NEWMOA States: 1999 through 2006 (tons)

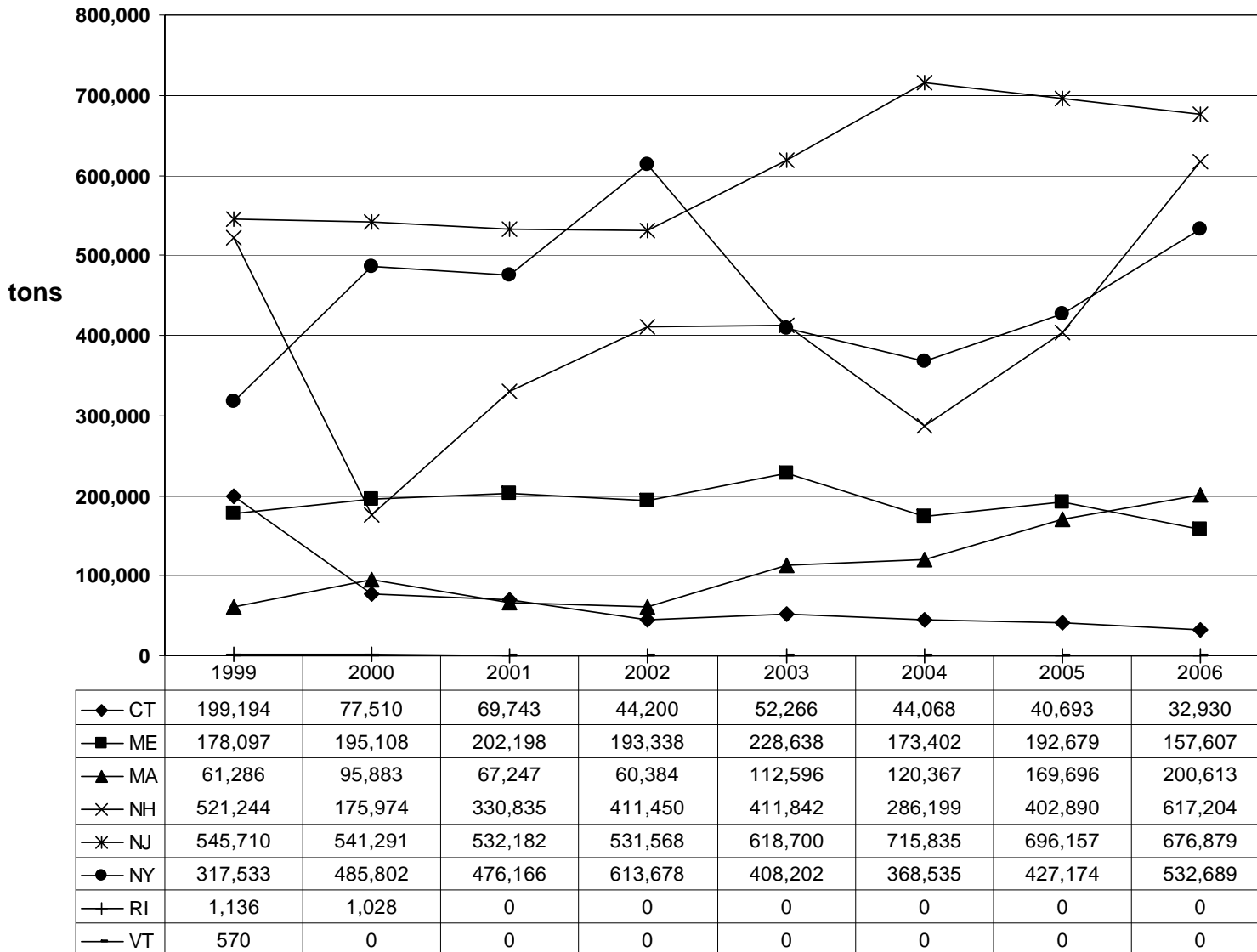
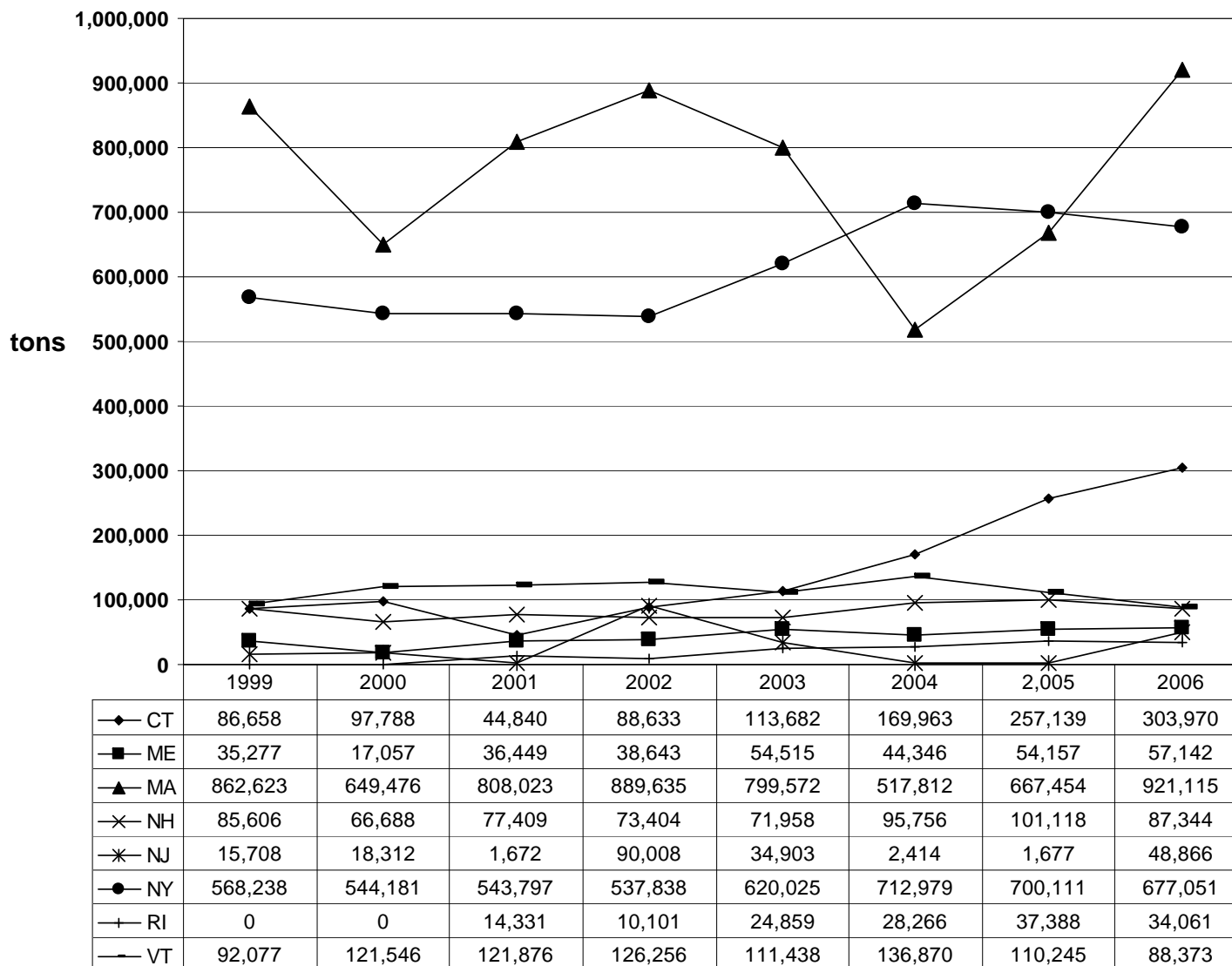
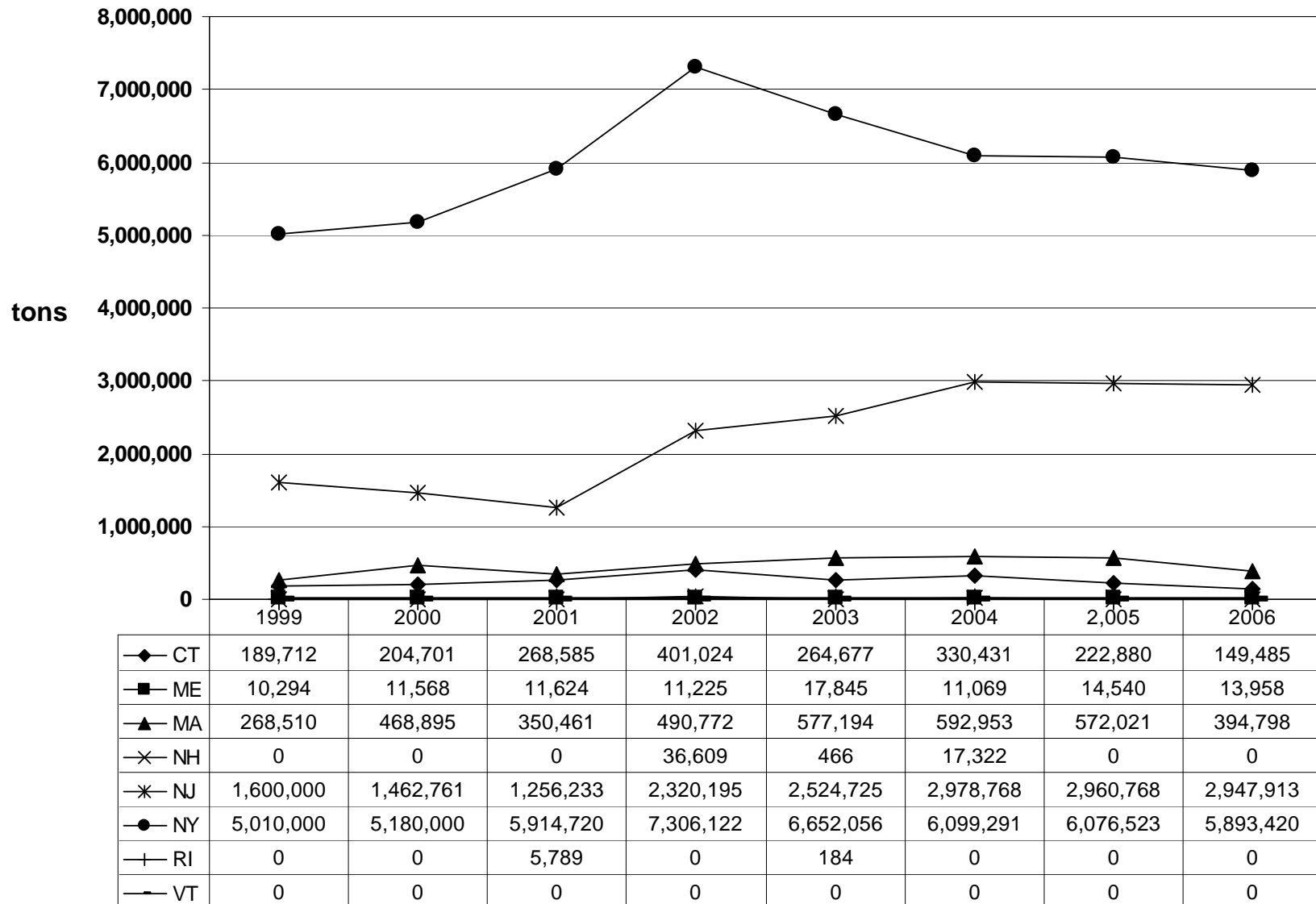


Figure 7: MSW Exports to NEWMOA States: 1999 through 2006 (tons)



**Figure 8: MSW Exports to Non-NEWMOA States and Provinces:
1999 through 2006 (tons)**

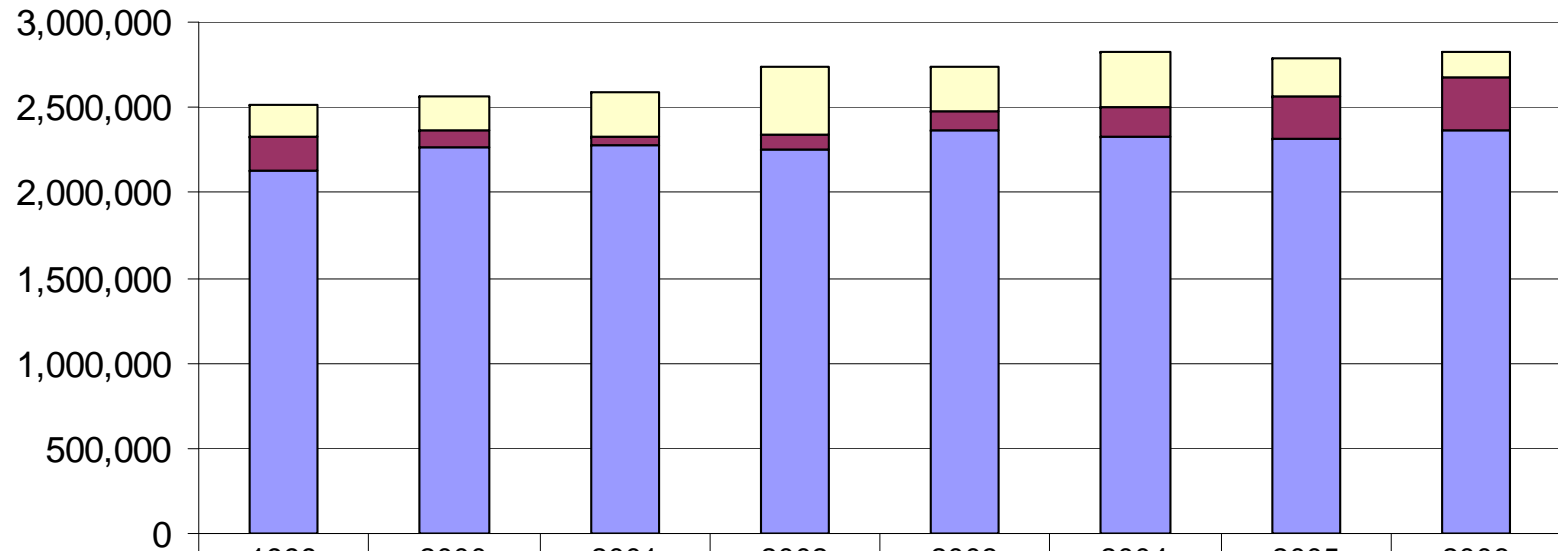


	2005 Estimated Population	1999 Per Capita MSW Disposed (tons/year)	2000 Per Capita MSW Disposed (tons/year)	2001 Per Capita MSW Disposed (tons/year)	2002 Per Capita MSW Disposed (tons/year)	2003 Per Capita MSW Disposed (tons/year)	2004 Per Capita MSW Disposed (tons/year)	2005 Per Capita MSW Disposed (tons/year)	2006 Per Capita MSW Disposed (tons/year)	2006 Per Capita MSW Disposed of At Facilities in the State (tons/year)
State	(Source: U.S. Census Bureau)									
Connecticut	3,500,701	0.73	0.75	0.76	0.79	0.79	0.81	0.80	0.81	0.69
Maine	1,318,220	0.69	0.64	0.65	0.69	0.67	0.64	0.66	0.68	0.75
Massachusetts	6,433,367	0.81	0.82	0.84	0.86	0.89	0.87	0.92	0.95	0.78
New Hampshire	1,306,819	0.87	0.92	0.85	0.87	0.84	0.80	0.79	0.73	1.13
New Jersey	8,703,150	0.66	0.68	0.61	0.72	0.75	0.83	0.81	0.82	0.55
New York	19,315,721	0.98	0.91	0.84	0.97	0.86	0.84	0.85	0.86	0.57
Rhode Island	1,073,579	1.01	1.01	1.04	1.04	1.09	1.10	1.14	1.11	1.07
Vermont	622,387	0.62	0.64	0.68	0.69	0.68	0.72	0.71	0.67	0.52

The "Per Capita MSW Disposed" data include MSW generated by the state and disposed, including exports (does not include imports)

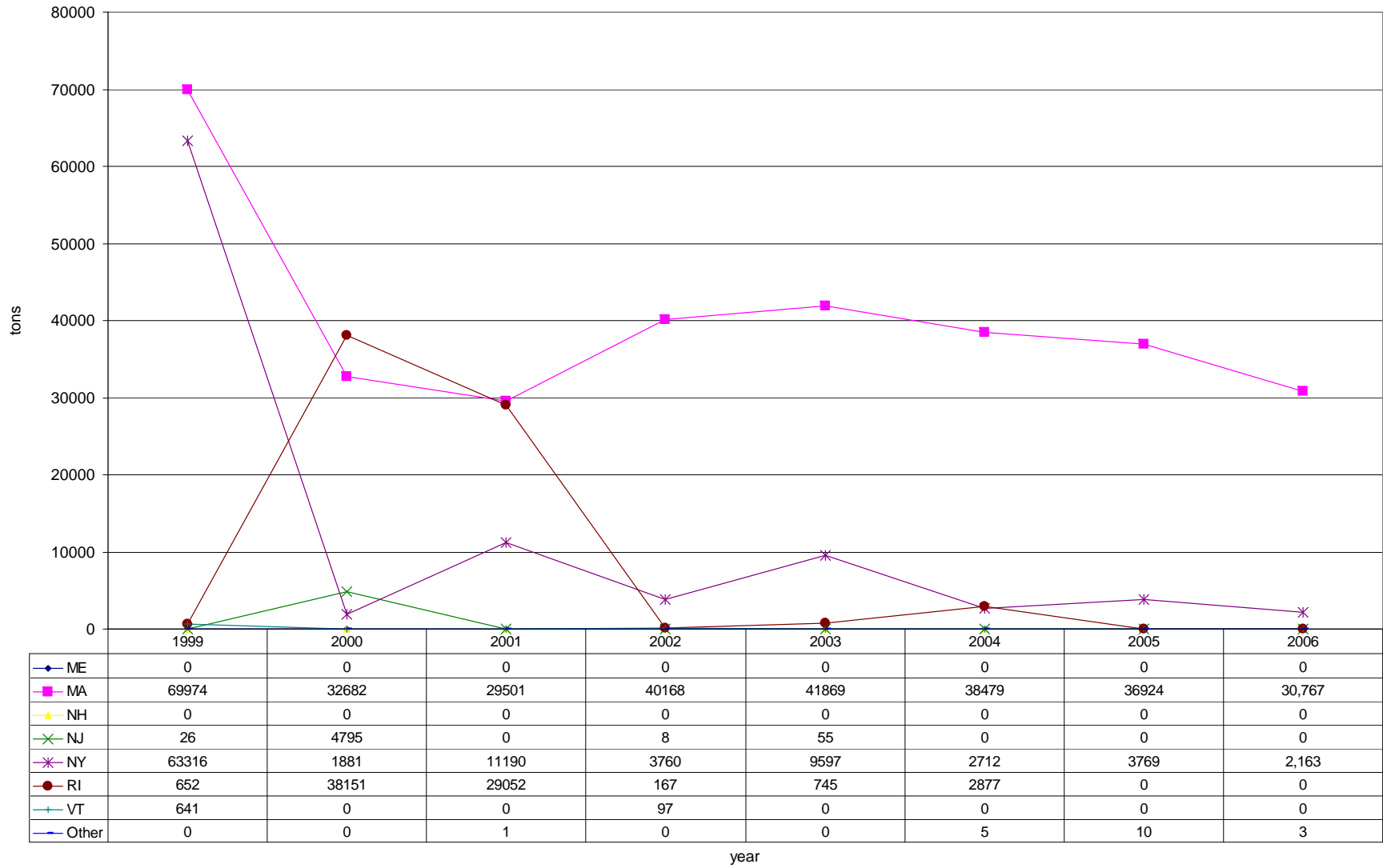
The "Per Capita MSW Disposed of at Facilities in the State" data in the last column includes MSW disposed of in-state, including imports (does not include exports)

MSW Generated in Connecticut and Disposed

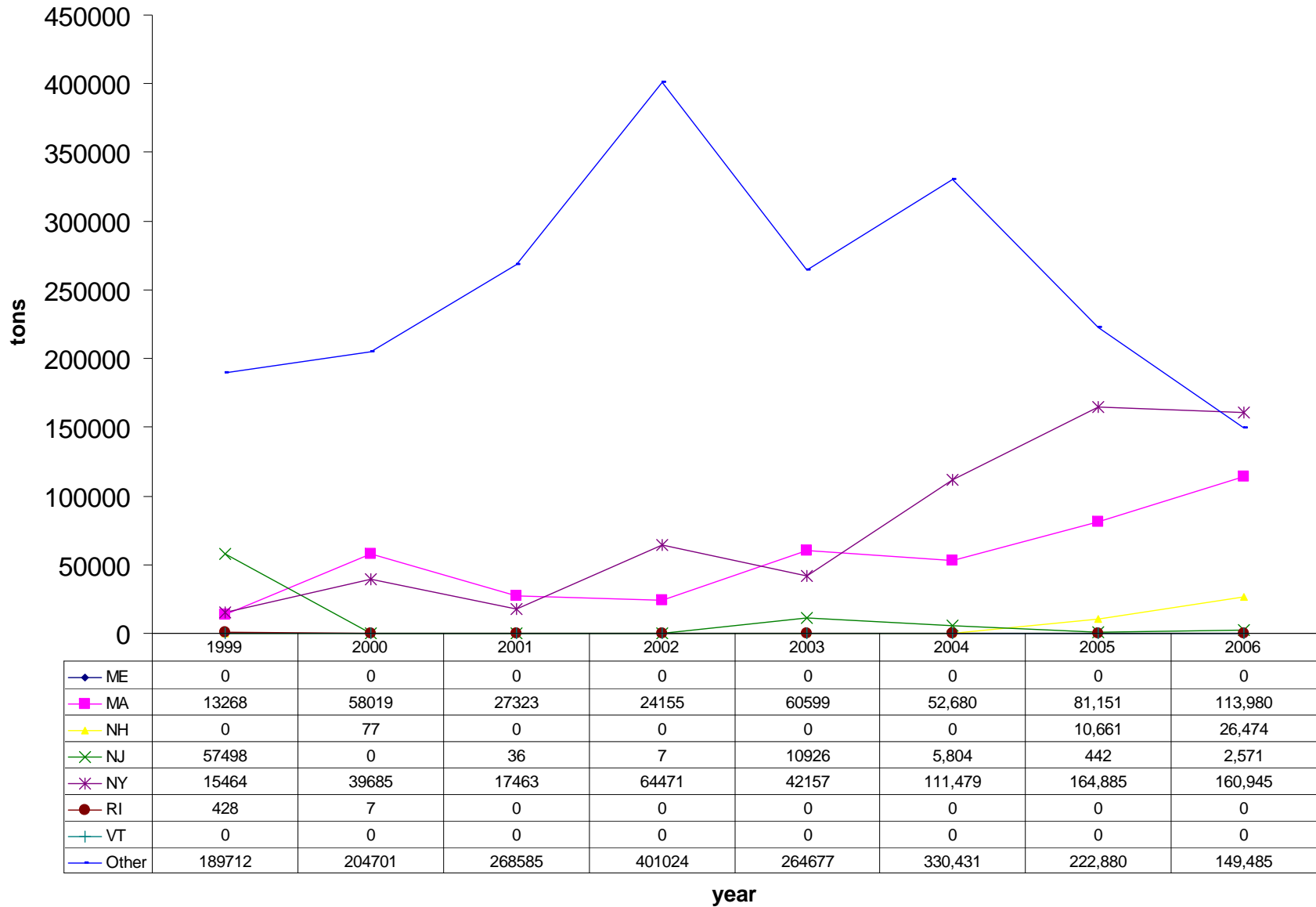


	1999	2000	2001	2002	2003	2004	2005	2006
Exported to Non NEWMOA	189,712	204,701	268,585	401,024	264,677	330,431	222,880	149,485
Exported to NEWMOA	199,168	97,788	44,840	88,633	113,682	169,963	257,139	303,970
Disposed In State	2,126,460	2,262,487	2,279,906	2,253,756	2,360,314	2,327,500	2,312,776	2,367,467

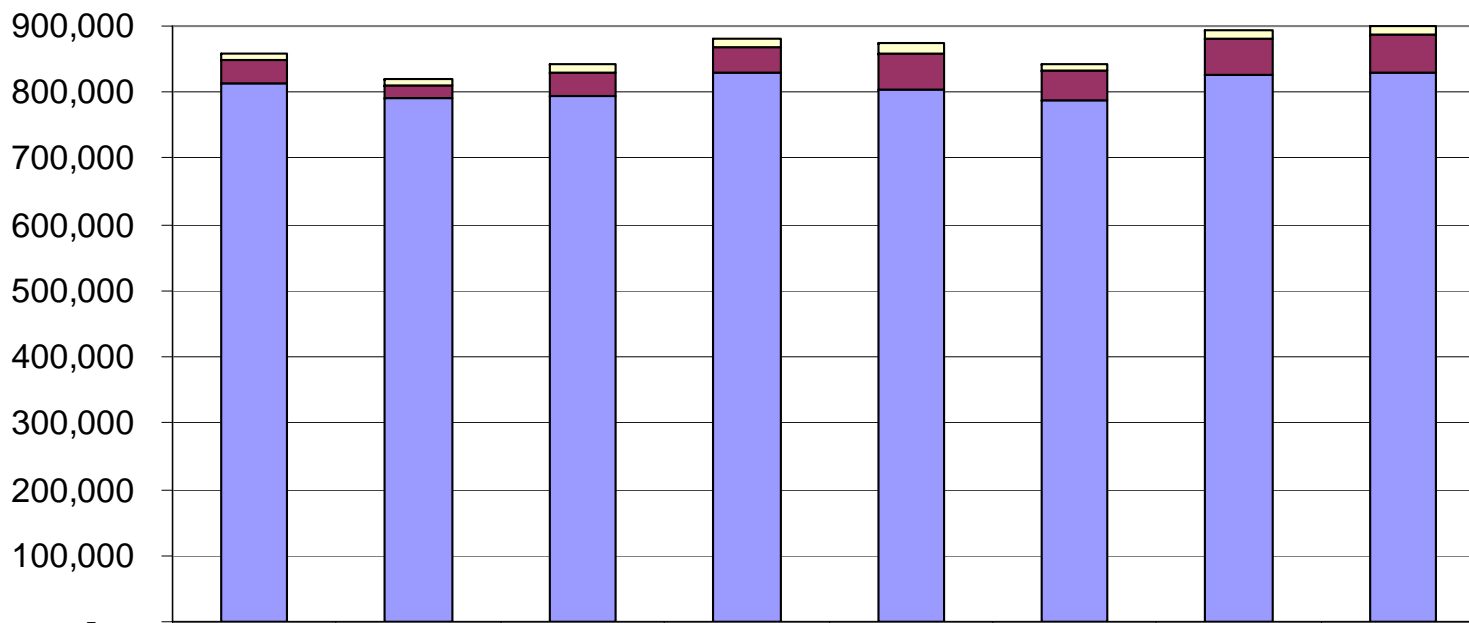
**MSW Imports to Connecticut: 1999 through 2006
(tons)**



**MSW Exports from Connecticut: 1999 through 2006
(tons)**

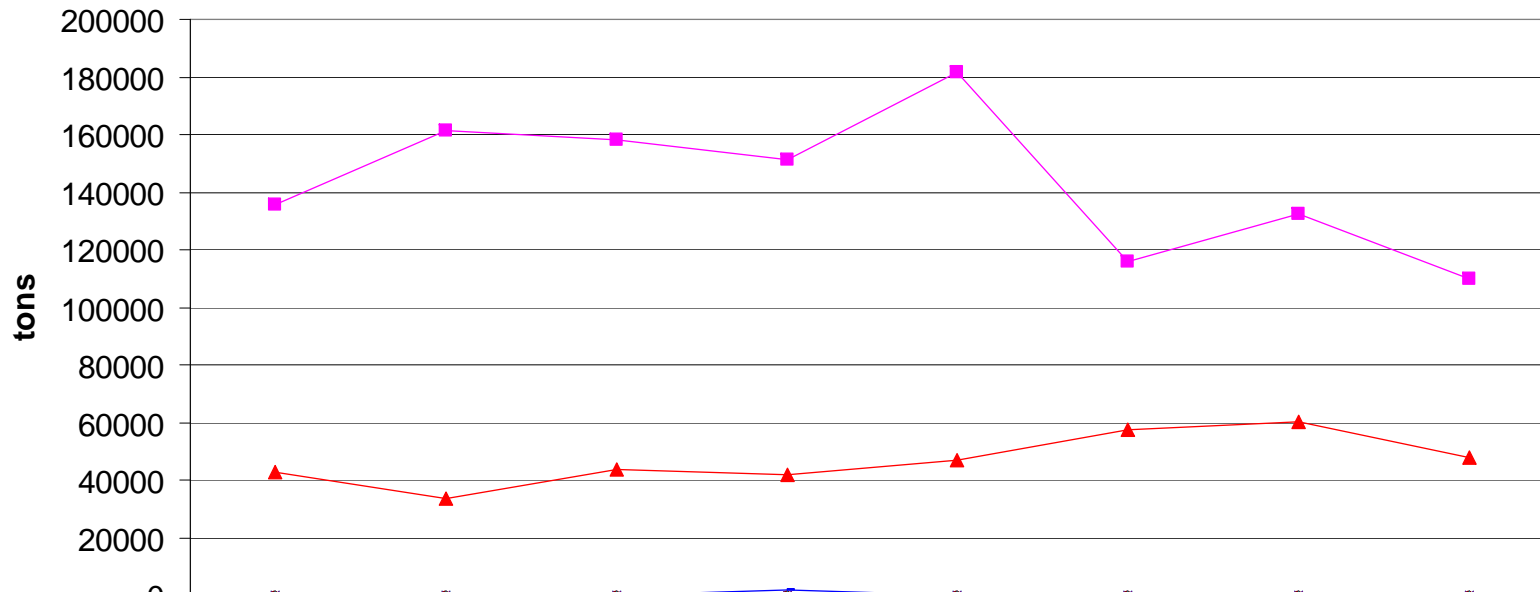


MSW Generated in Maine and Disposed



	1999	2000	2001	2002	2003	2004	2005	2006
Exported to Non-NEWMOA	10,294	11,568	11,624	11,225	17,845	11,069	14,540	13,958
Exported to NEWMOA	35,277	17,057	36,449	38,643	54,515	44,346	54,157	57,142
Disposed In State	813,932	792,047	793,824	829,409	803,040	787,617	825,470	830,497

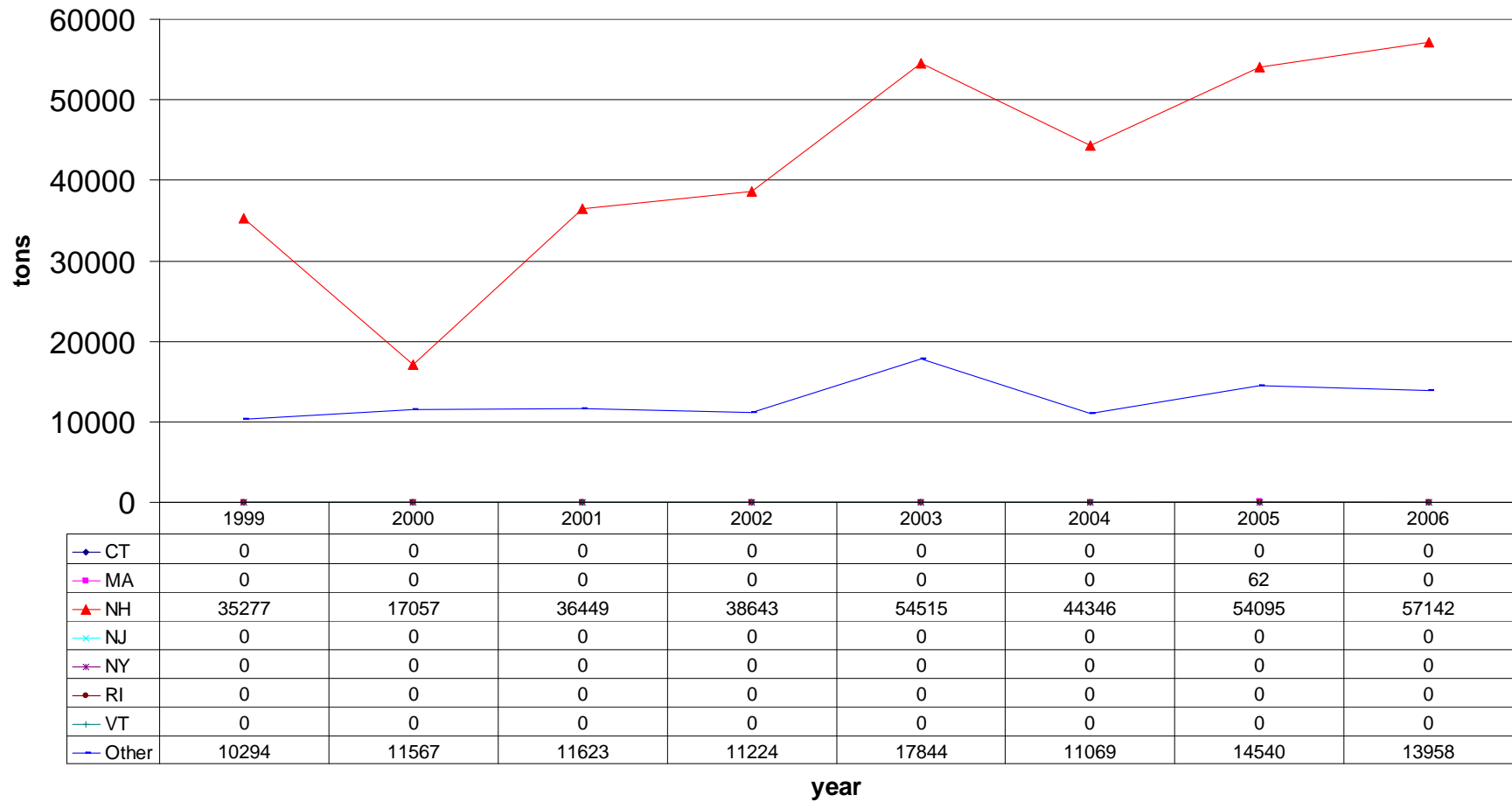
MSW Imports to Maine: 1999 through 2006 (tons)



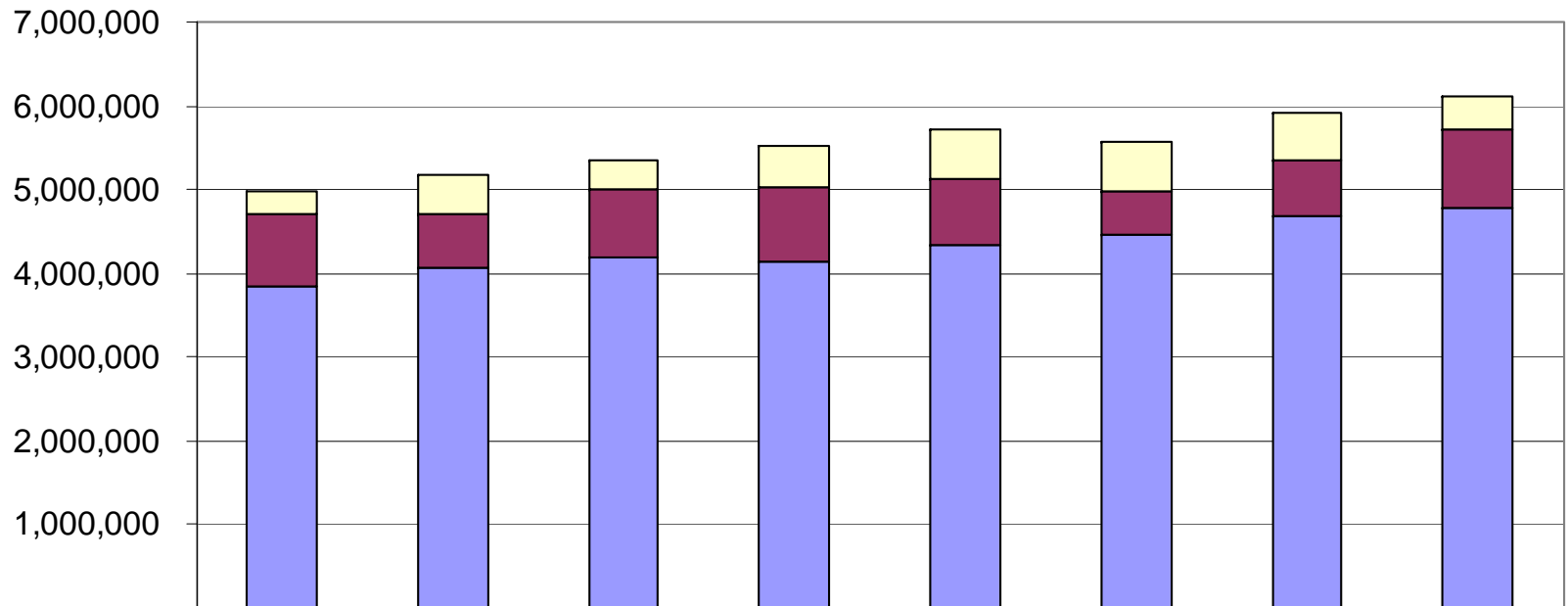
	1999	2000	2001	2002	2003	2004	2005	2006
◆ CT	0	0	0	0	0	0	0	0
■ MA	135434	161573	158293	151338	181744	115,857	132,494	109,831
▲ NH	42663	33535	43905	42000	46894	57,545	60,185	47,776
✕ NJ	0	0	0	0	0	0	0	0
* NY	0	0	0	0	0	0	0	0
● RI	0	0	0	0	0	0	0	0
+ VT	0	0	0	0	0	0	0	0
— Other	0	0	0	1918	0	0	0	0

year

MSW Exports from Maine: 1999 through 2006

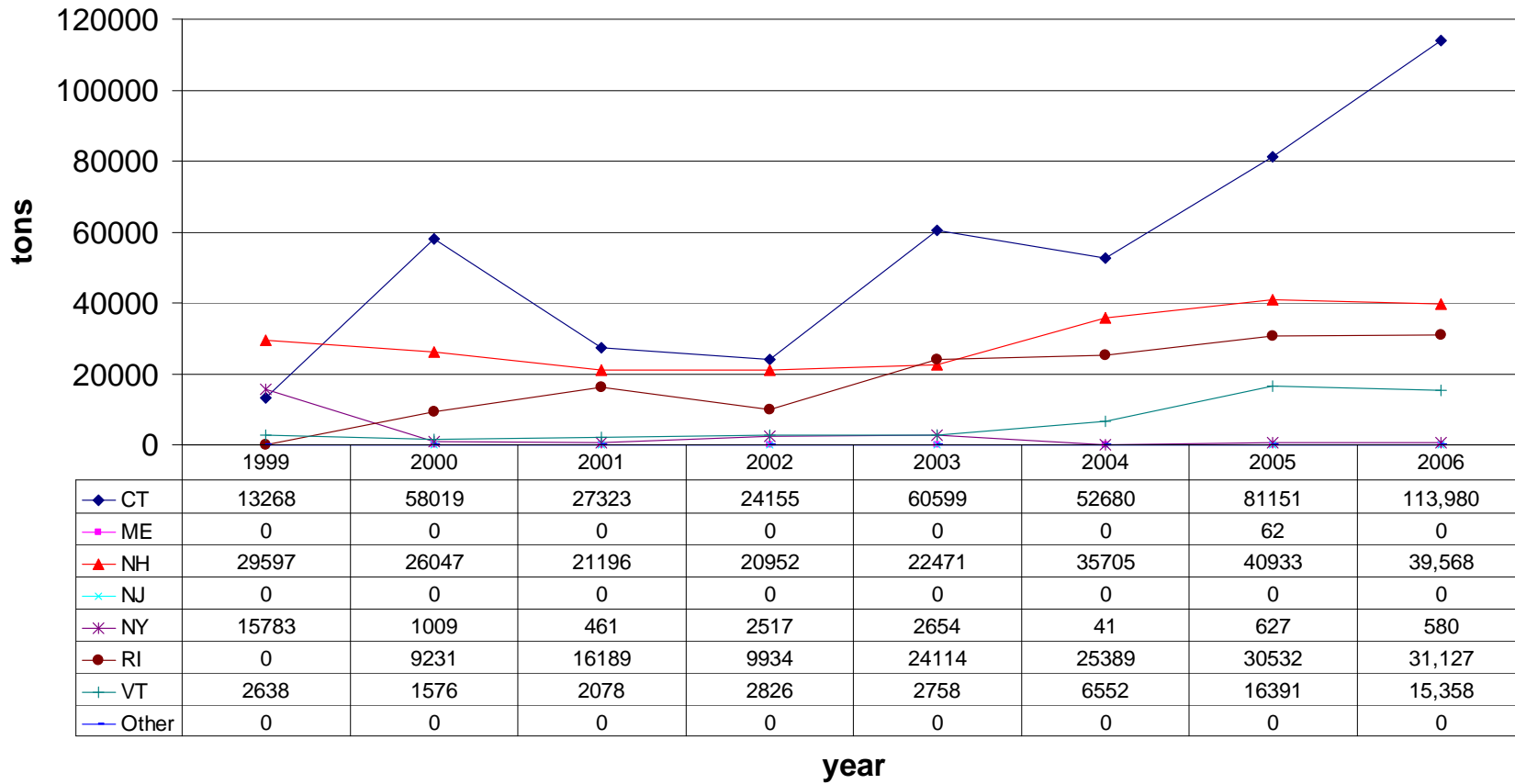


MSW Generated in Massachusetts and Disposed

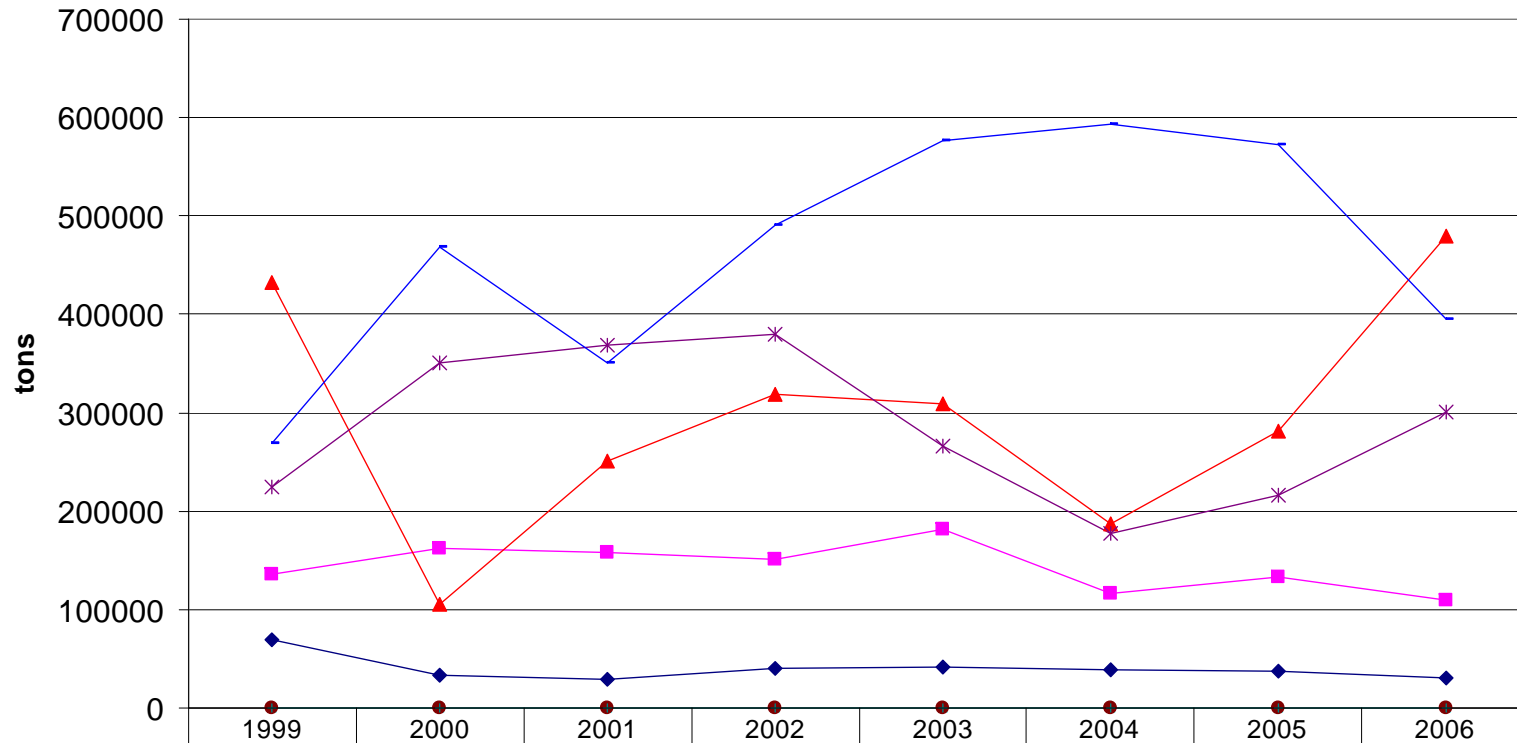


	1999	2000	2001	2002	2003	2004	2005	2006
Exported to Non-NEWMOA	268,510	468,895	350,461	490,772	577,194	592,953	572,021	394,798
Exported to NEWMOA	862,623	649,476	808,023	889,635	799,572	517,812	667,454	921,115
Disposed In State	3,856,000	4,069,137	4,189,359	4,147,413	4,337,266	4,459,730	4,685,484	4,785,491

MSW Imports to Massachusetts: 1999 through 2006 (tons)



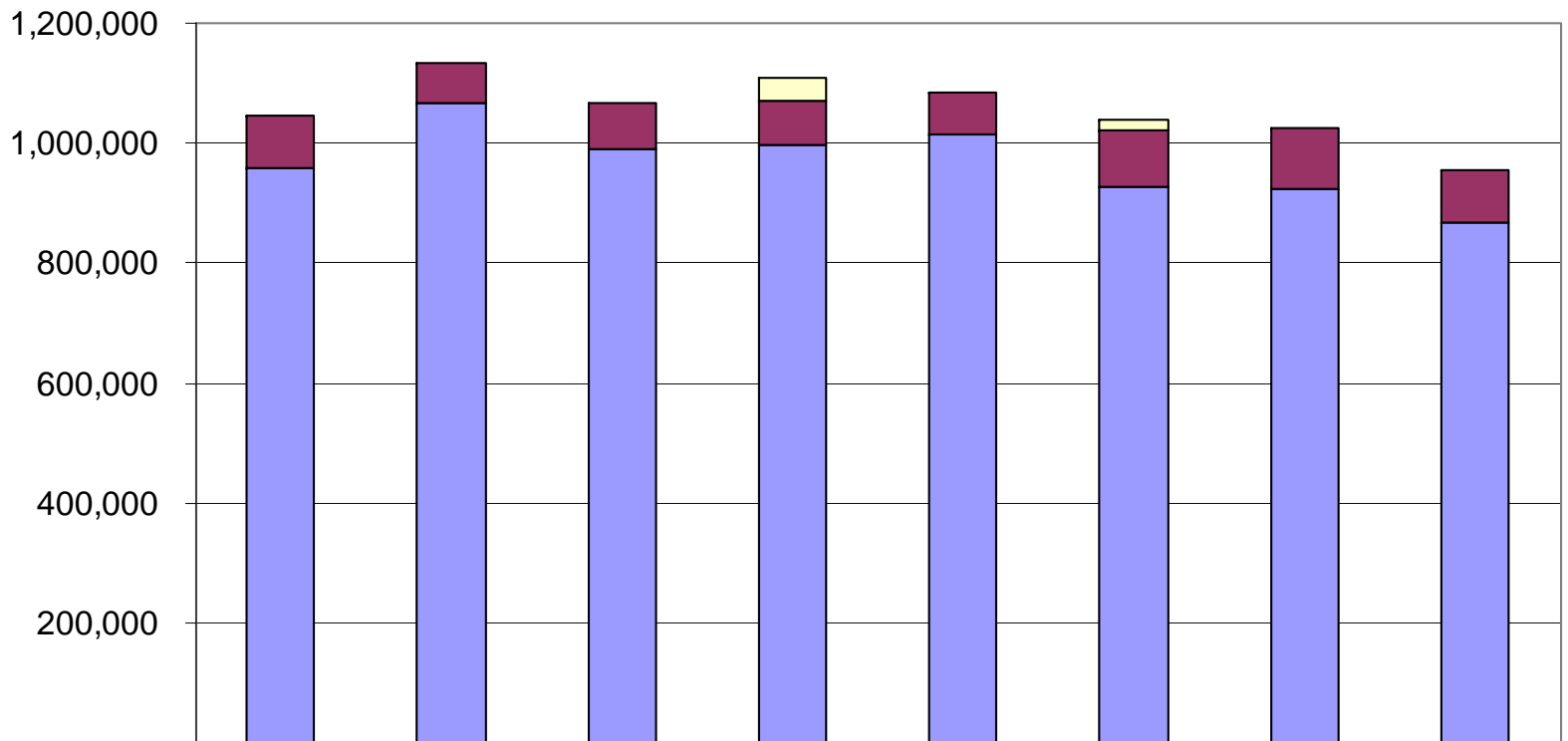
**MSW Exports from Massachusetts: 1999 through 2006
(tons)**



	1999	2000	2001	2002	2003	2004	2005	2006
◆ CT	69974	32682	29501	40168	41868	38,479	36,924	30,767
■ ME	135434	161573	158293	151338	181744	115,857	132,494	109,831
▲ NH	432702	104709	251137	318129	309335	186,455	281,375	479,144
× NJ	0	0	0	0	0	0	0	0
* NY	224024	350512	369092	380000	266624	177,021	216,661	301,373
● RI	0	0	0	0	0	0	0	0
+ VT	489	0	0	0	0	0	0	0
— Other	268510	468895	350461	490771	577194	592,953	572,021	394,798

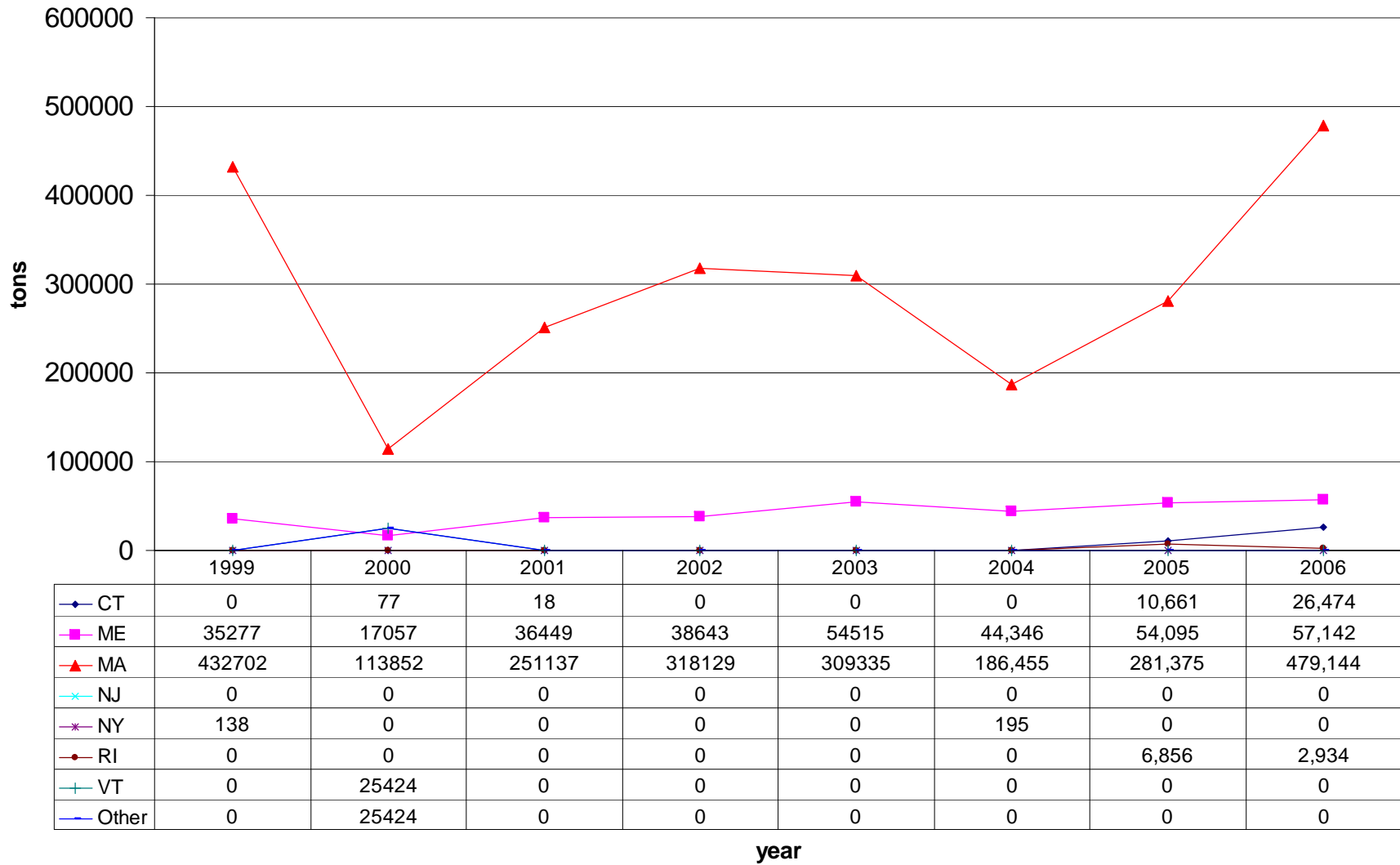
year

MSW Generated in New Hampshire and Disposed

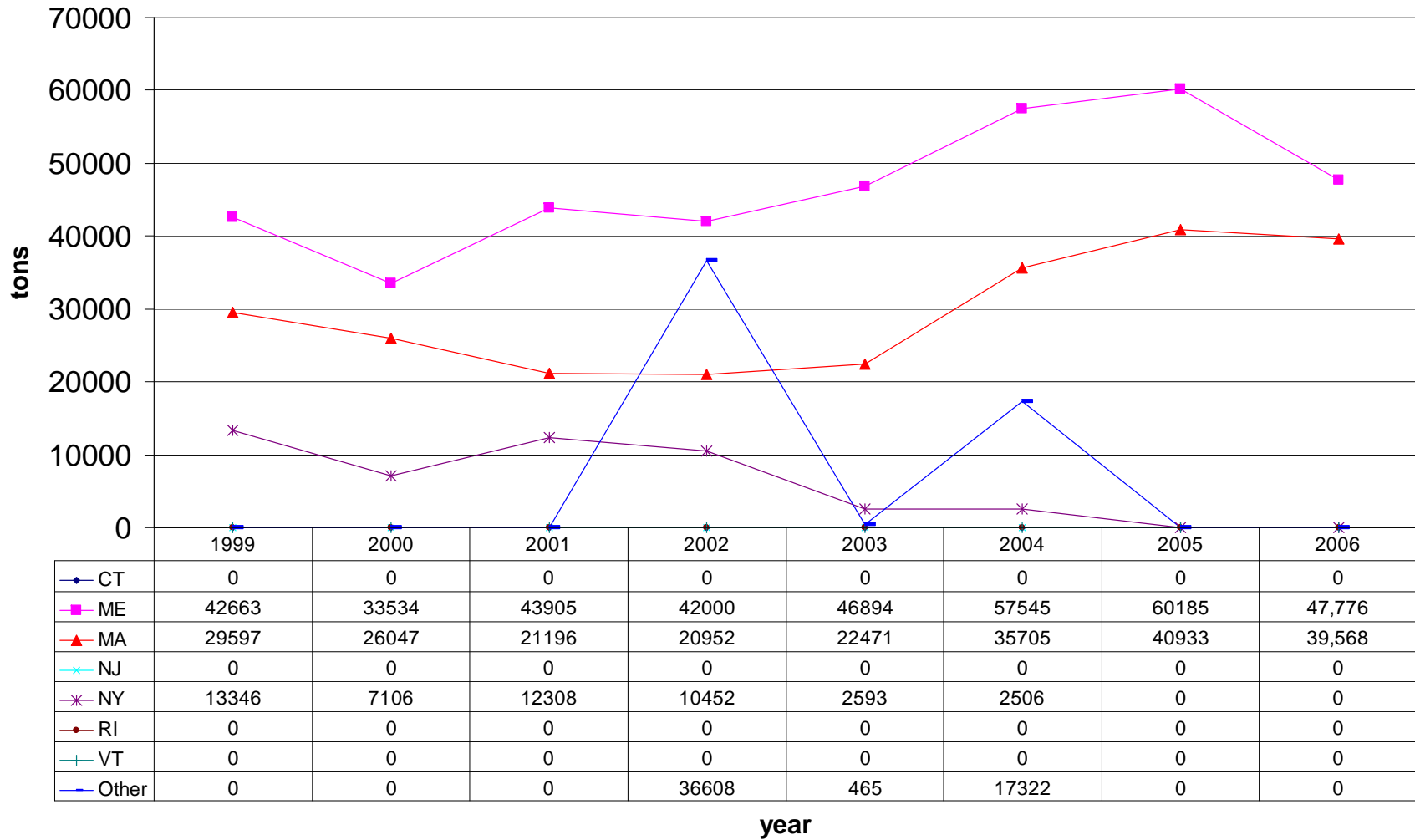


	1999	2000	2001	2002	2003	2004	2005	2006
Exported to Non-NEWMOA	0	0	0	36,609	466	17,322	0	0
Exported to NEWMOA	85,606	66,688	77,409	73,404	71,958	95,756	101,118	87,344
Disposed In State	959,200	1,067,926	990,586	998,000	1,013,820	926,018	923,429	866,020

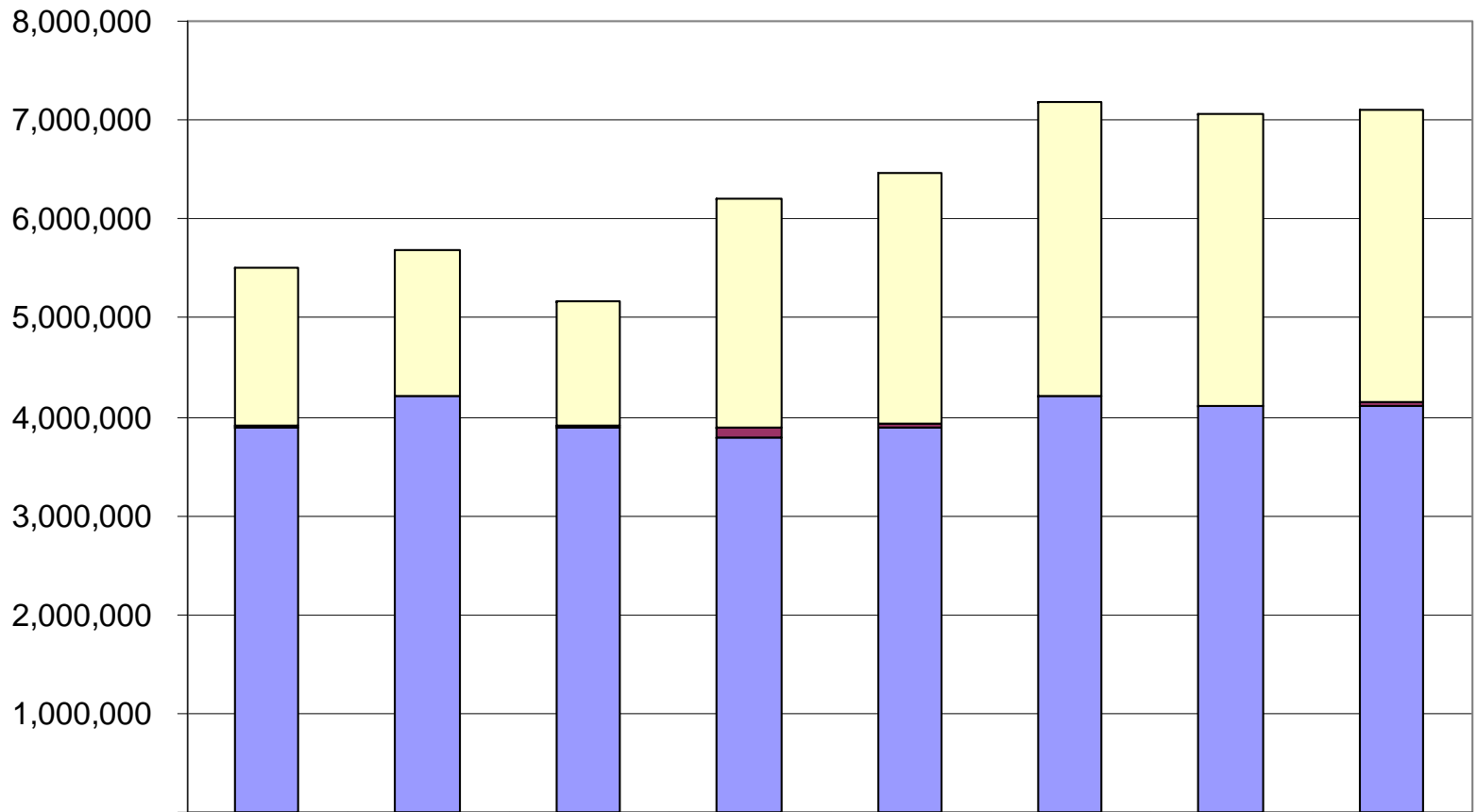
**MSW Imports to New Hampshire: 1999 through 2006
(tons)**



MSW Exports from New Hampshire: 1999 through 2006

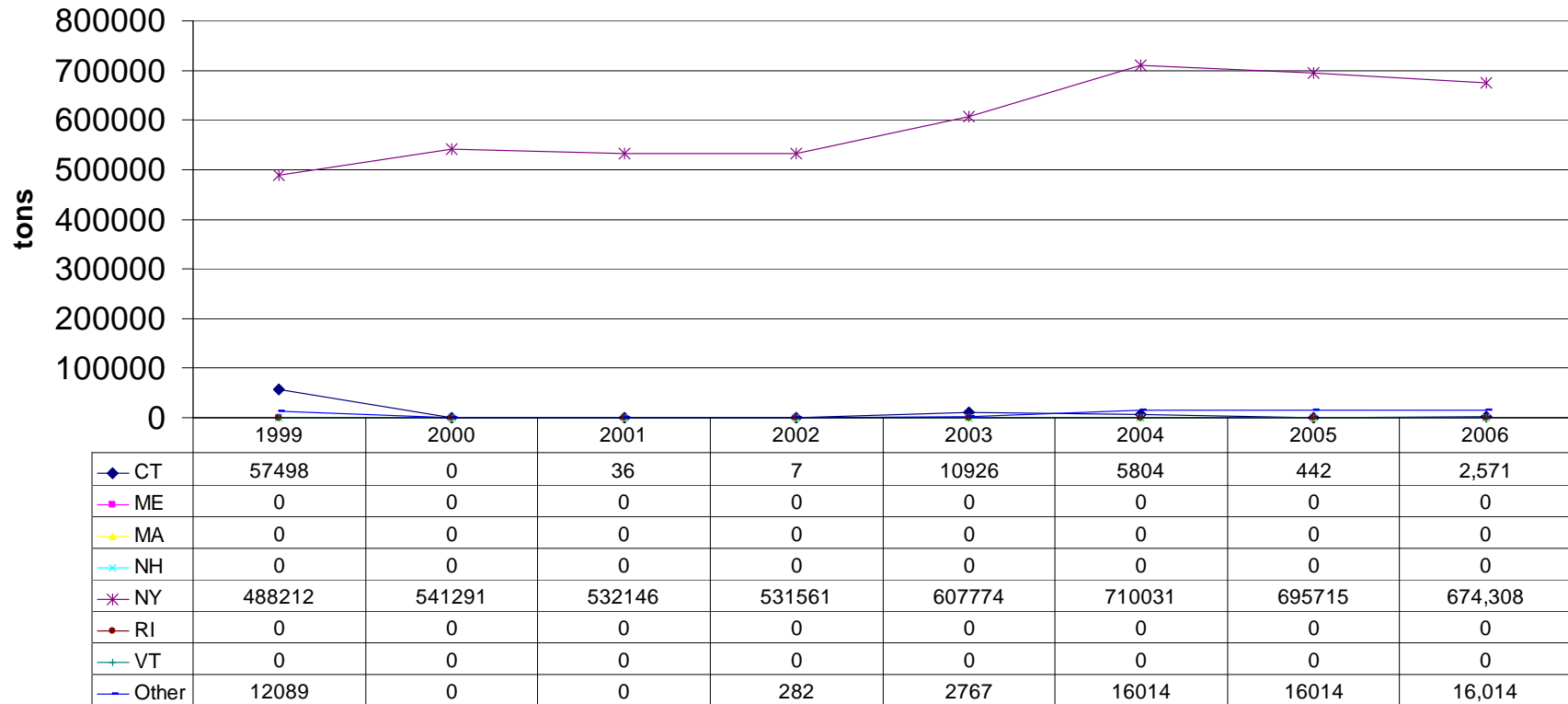


MSW Generated in New Jersey and Disposed



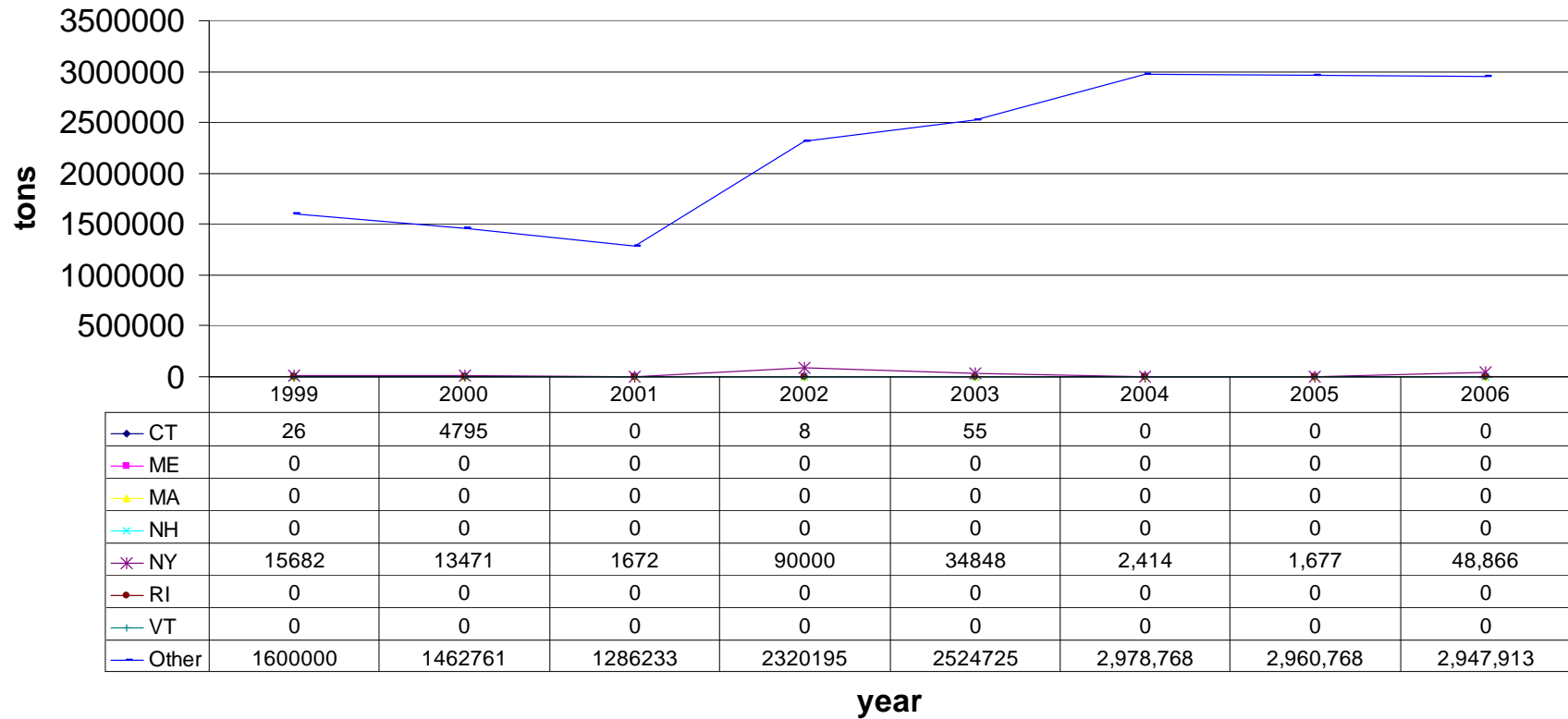
	1999	2000	2001	2002	2003	2004	2005	2006
Exported to Non NEWMOA	1,600,000	1,462,761	1,256,233	2,320,195	2,524,725	2,978,768	2,960,768	2,947,913
Exported to NEWMOA	15,708	18,266	1,672	90,000	34,903	2,414	1,677	48,866
Disposed In State	3,900,000	4,200,000	3,900,000	3,800,000	3,900,000	4,200,000	4,100,000	4,100,000

MSW Imports to New Jersey: 1999 through 2006 (tons)

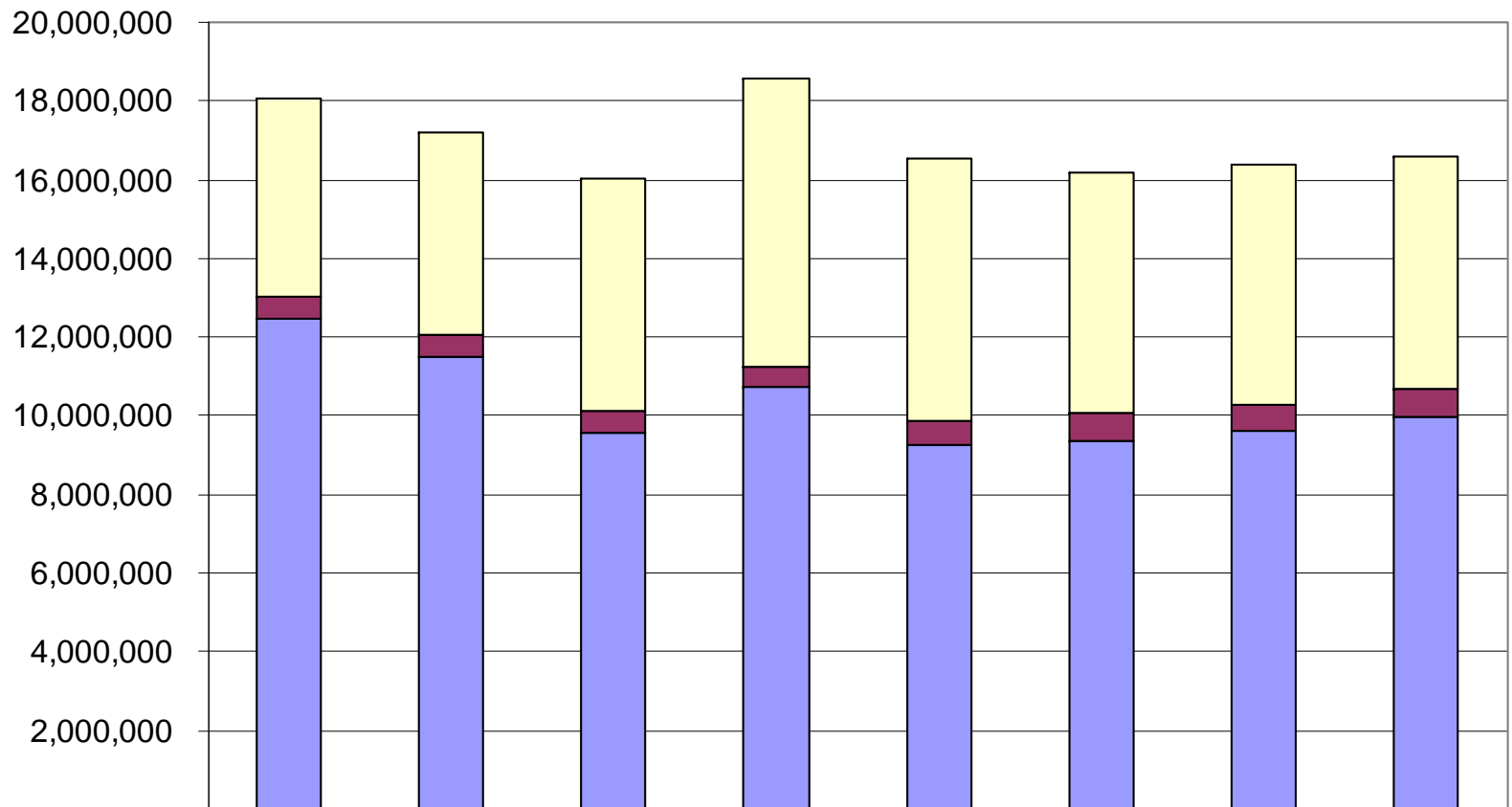


year

MSW Exports from New Jersey: 1999 through 2006 (tons)

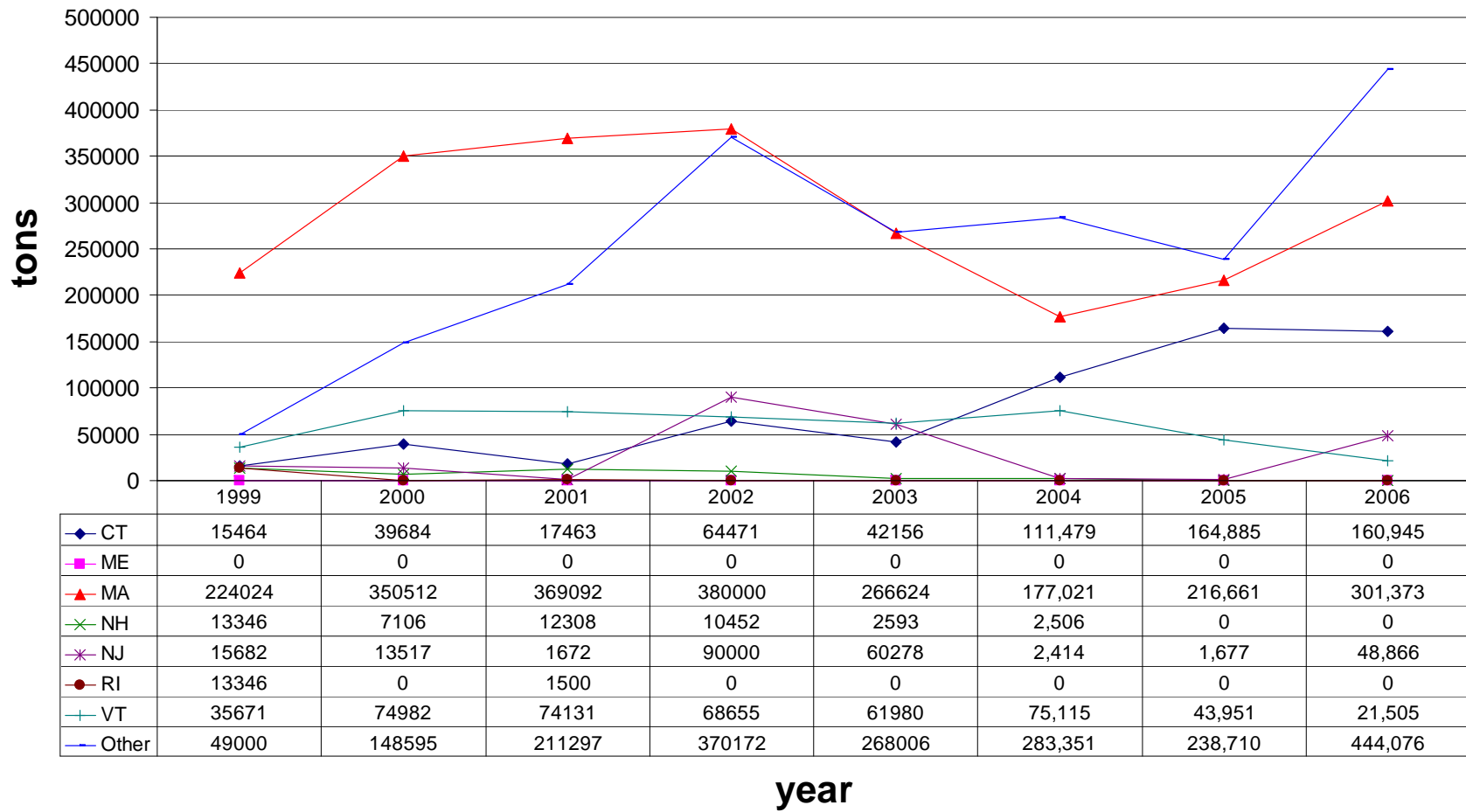


MSW Generated in New York and Disposed

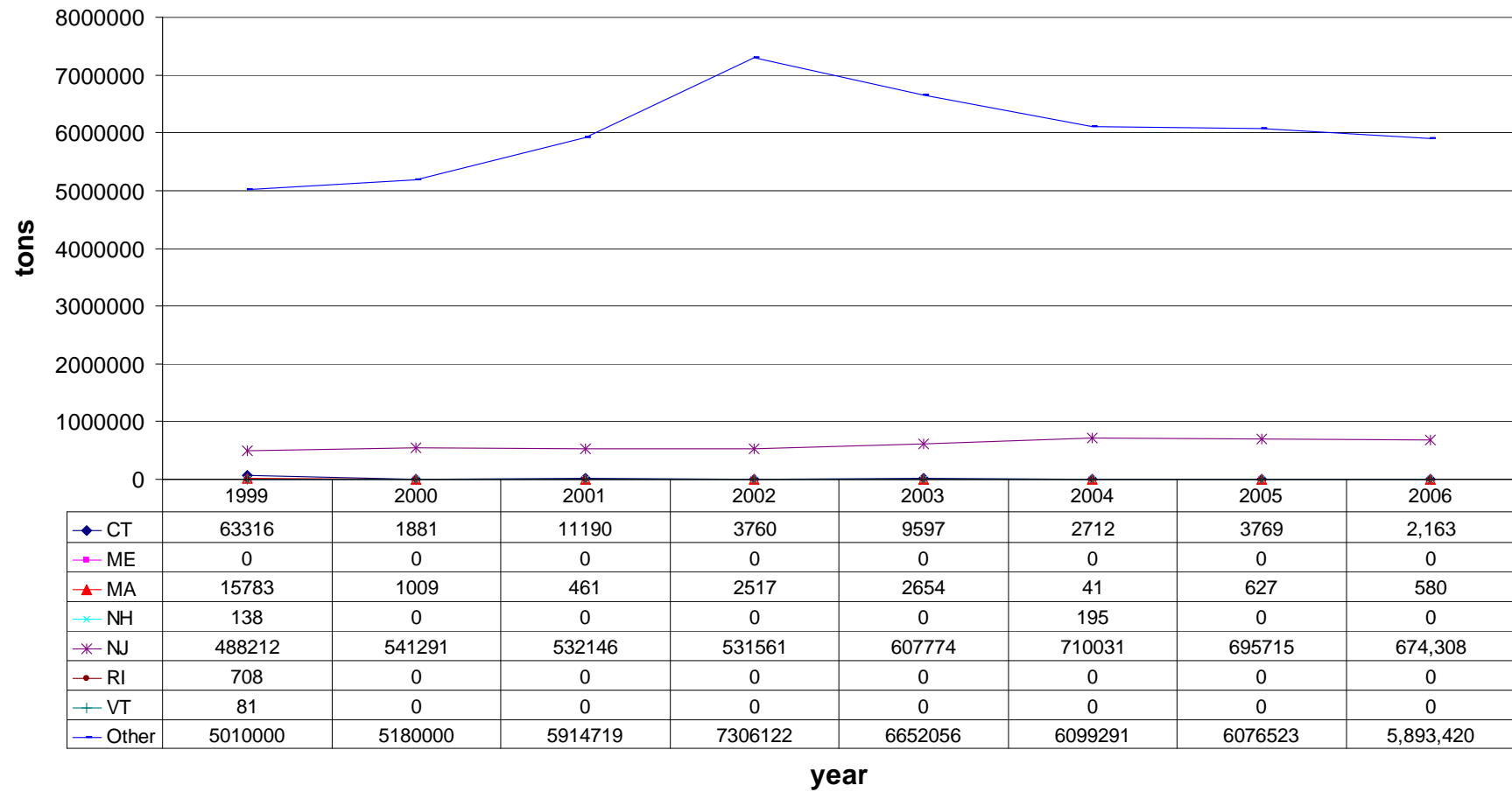


	1999	2000	2001	2002	2003	2004	2005	2006
Exported to Non NEWMOA	5,010,000	5,180,000	5,914,719	7,306,122	6,652,056	6,099,291	6,076,523	5,893,420
Exported to NEWMOA	568,238	544,181	543,797	537,838	620,025	712,979	700,111	677,051
Disposed In State	12,476,29	11,495,19	9,558,740	10,719,41	9,254,382	9,354,935	9,600,000	10,000,00

MSW Imports to New York: 1999 through 2006 (tons)



MSW Exports from New York: 1999 through 2006 (tons)

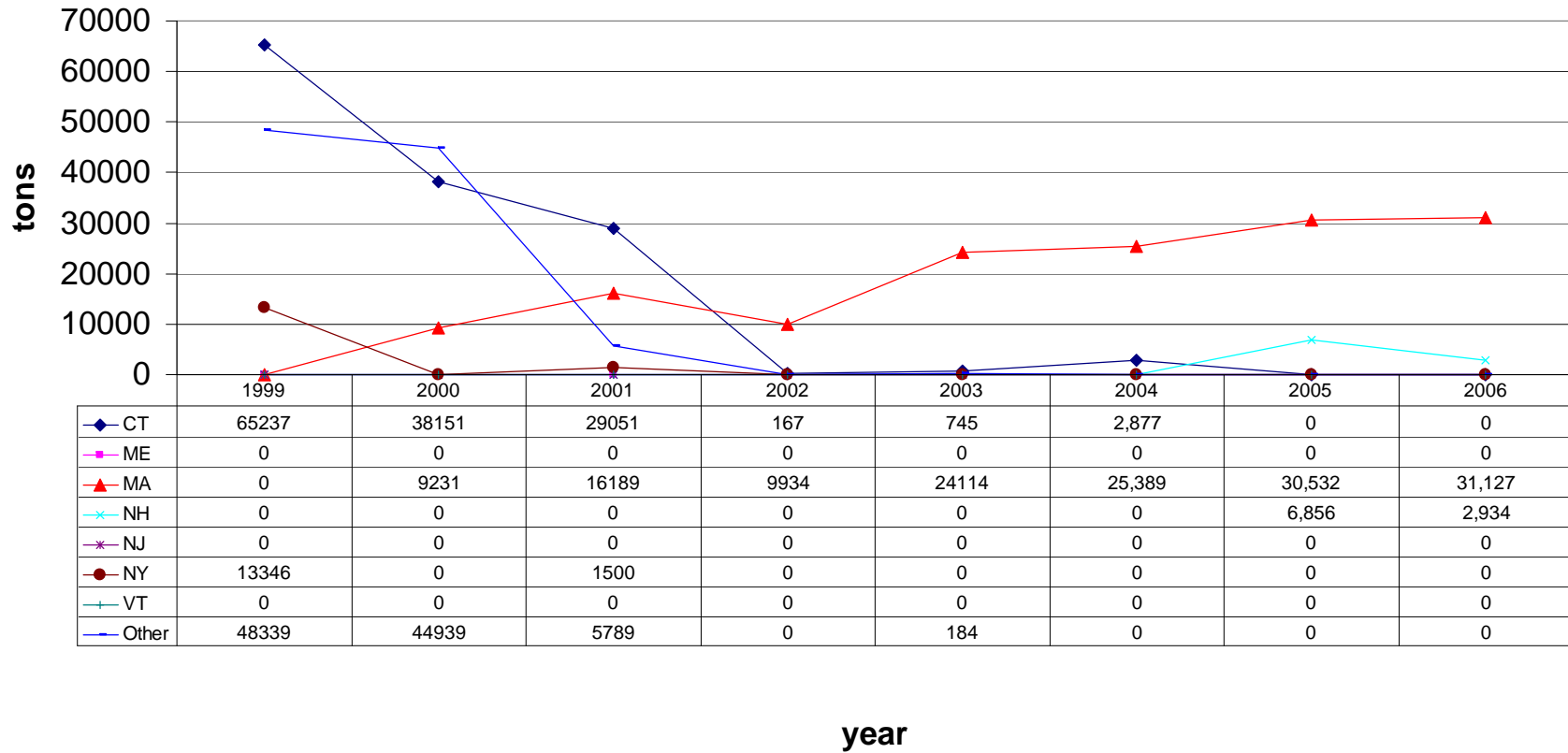


MSW Generated in Rhode Island and Disposed

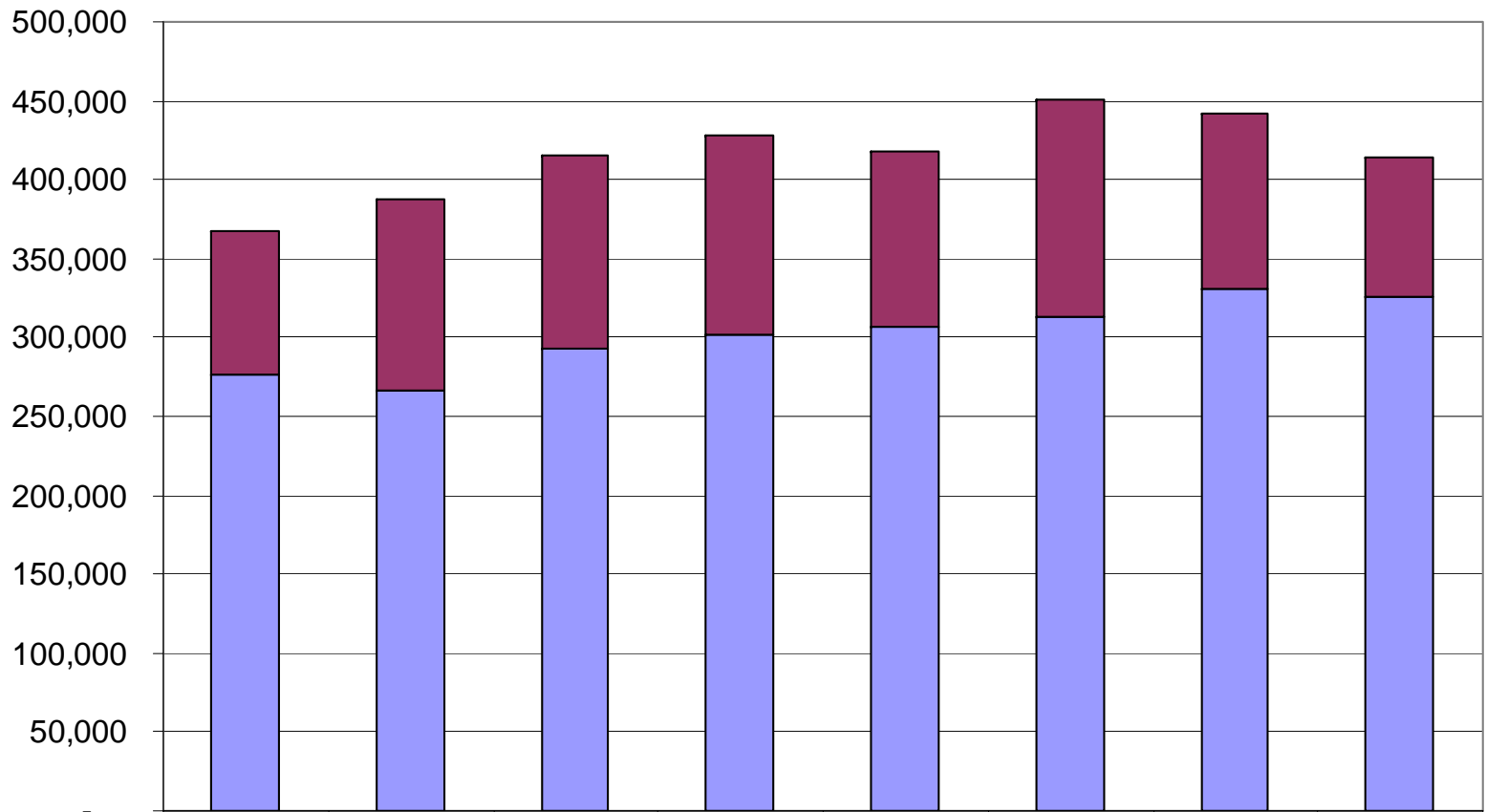


	1999	2000	2001	2002	2003	2004	2005	2006
Exported to Non NEWMOA	48,339	44,939	5,789	0	184	0	0	0
Exported to NEWMOA	78,583	47,383	46,741	10,101	24,859	28,266	37,388	34,061
Disposed In State	1,000,87	1,054,290	1,081,66	1,097,452	1,151,887	1,158,991	1,181,607	1,153,080

MSW Exports from Rhode Island: 1999 through 2006 (tons)

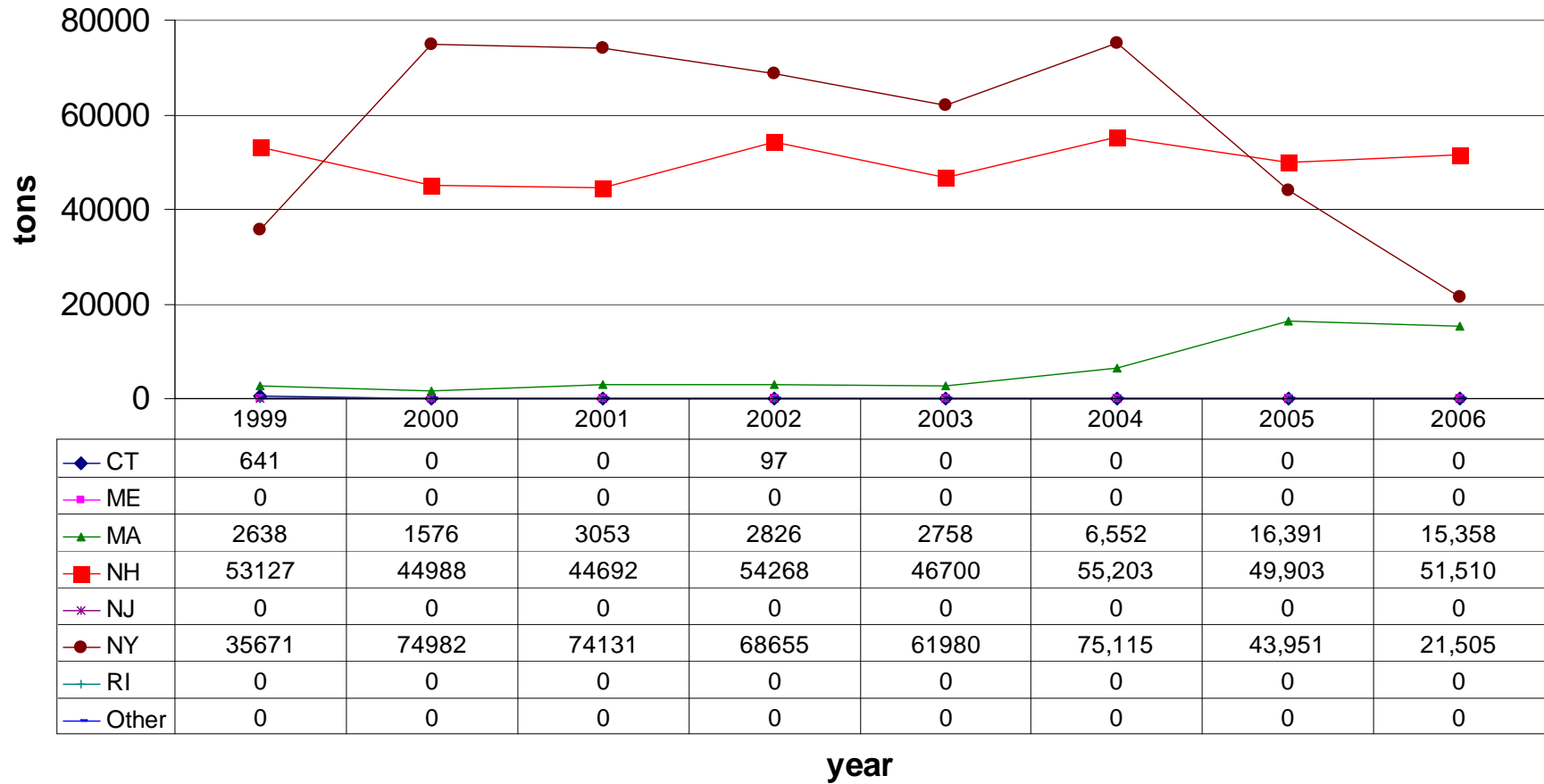


MSW Generated in Vermont and Disposed



	1999	2000	2001	2002	2003	2004	2005	2006
Exports to Non NEWMOA	0	0	0	0	0	0	0	
Exports to NEWMOA	92,077	121,546	121,876	126,256	111,438	136,870	110,245	88,373
Disposed In State	275,900	265,850	293,373	301,971	306,597	313,412	331,364	326,333

**MSW Exports from Vermont: 1999 through 2006
(tons)**



Connecticut				
Imports				
Source	CT	Export State	Difference	USED
ME	0	0	0	0
MA	30,767	29,481	1,286	30,767
NH	0	0	0	0
NJ	0	0	0	0
NY	2,163	1,873	290	2,163
RI	52	0	52	0
VT	0	0	0	0
Other	3			3
Total	32,985	31,354		32,933
Exports				
Source	CT	Import State	Difference	USED
ME	0	0	0	0
MA	95,943	113,980	-18,037	113,980
NH	0	26,474	-26,474	26,474
NJ	1,454	2,571	-1,117	2,571
NY	160,519	160,945	-426	160,945
RI	0	0	0	0
VT	0	0	0	0
Other	128,937	342,679	-213,742	149,485
Total	386,853	646,649		453,455

Maine				
Imports				
Source	ME	Export State	Difference	USED
CT	0	0	0	0
MA	109,831	133,346	-23,515	109,831
NH	47,776	17,508	30,268	47,776
NJ	0	0	0	0
NY	0	0	0	0
RI	0	0	0	0
VT	0	0	0	0
Other	0	0		0
Total	157,607	150854		157,607
Exports				
Source	ME	Import State	Difference	USED
CT	0	0	0	0
MA	0	0	0	0
NH	0	57,142	-57,142	57,142
NJ	0	0	0	0
NY	0	0	0	0
RI	0	0	0	0
VT	0	0	0	0
Other	13,958	0	13,958	13,958
Total	13,958	57,142		71,100

Massachusetts				
Imports				
Source	MA	Export State	Difference	USED
CT	113,980	95,943	18,037	113,980
ME	0	0	0	0
NH	36,191	4,341	31,850	39,568
NJ	0	0	0	0
NY	580	336	244	580
RI	31,127	16,788	14,339	31,127
VT	23,611	15,057	8,554	15,358
Other	0	0	0	0
Total	205,489	132,465		200,613
Exports				
Source	MA	Import State	Difference	USED
CT	29,481	30,767	-1,286	30,767
ME	133,346	109,831	23,515	109,831
NH	171,570	479,144	-307,574	479,144
NJ	0	0	0	0
NY	188,249	301,373	-113,124	301,373
RI	5,653	0	5,653	0
VT	0	0	0	0
Other	398,676	752,477	-353,801	394,798
Total	926,975	1,673,592	-746,617	

New Hampshire				
Imports				
Source	NH	Export State	Difference	USED
CT	26,474	0	26,474	26,474
ME	57,142	0	57,142	57,142
MA	479,144	171,570	307,574	479,144
NJ	0	0	0	0
NY	0	31	-31	0
RI	2,934	0	2,934	2,934
VT	51,510	51,379	131	51,510
Other	0	0	0	0
Total	617,204	222,980		
Exports				
Source	NH	Import State	Difference	USED
CT	0	0	0	0
ME	17,508	47,776	-30,268	47,776
MA	4,341	36,191	-31,850	39,568
NJ	0	0	0	0
NY	0	13,805	-13,805	0
RI	0	0	0	0
VT	0	0	0	0
Other	0	7,145	-7,145	0
Total	21,849	104,917	-83,068	

VT adjusted to remove 3,377 and 4,873 tons pass through from NH and MA, respectively.

New Jersey				
Imports				
Source	NJ	Export State	Difference	USED
CT	2,571	1,454	1,117	2,571
ME	0	0	0	0
MA	0	0	0	0
NH	0	0	0	0
NY	674,308	30,753	643,555	674,308
RI	0	0	0	0
VT	0	0	0	0
Other	16,014		16014	16,014
Total	692893			
Exports				
Source	NJ	Import State	Difference	USED
CT	0	0	0	0
ME	0	0	0	0
MA	0	0	0	0
NH	0	0	0	0
NY	48,866	64,241	-15,375	48,866
RI	0	0	0	0
VT	0	0	0	0
Other	2,947,913	4,131,650	-1,183,737	2,947,913
Total	2,996,779	4,195,891	-1,199,112	

the import state "Other" total subtracts 856,958 tons of NY waste (that passes through NJ and goes to PA for disposal)

New York				
Imports				
Source	NY	Export State	Difference	USED
CT	160,945	160,519	426	160,945
ME	0	0	0	0
MA	301,373	188,249	113,124	301,373
NH	13,805	0	13,805	0
NJ	64,241	48,866	15,375	48,866
RI	346	0	346	0
VT	24,015	21,505	2,510	21,505
Other	444,076		444,076	444,076
Total	1,008,801	419,139		976,765
	564,725			
Exports				
Source	NY	Import State	Difference	USED
CT	1,873	2,163	-290	2,163
ME	0	0	0	0
MA	336	580	-244	580
NH	31	0	31	0
NJ	30,753	674,308	-643,555	674,308
RI	0	0	0	0
VT	0	0	0	0
Other	4,323,814	6,655,837	-2,332,023	5,893,420
Total	4,356,807	7,332,888	-2,976,081	

the NY USED "Other" includes the 856,958 tons of NYS MSW that passes through NJ and goes to PA for disposal

Rhode Island				
Imports				
Source	RI	Export State	Difference	USED
CT	0	0	0	0
ME	0	0	0	0
MA	0	5,653	-5,653	0
NH	0	0	0	0
NJ	0	0	0	0
NY	0	0	0	0
VT	0	0	0	0
Other	0		0	0
Total	0	5,653		
Exports				
Source	RI	Import State	Difference	USED
CT	0	52	-52	0
ME	0	0	0	0
MA	16,788	31,127	-14,339	31,127
NH	0	2,934	-2,934	2,934
NJ	0	0	0	0
NY	0	346	-346	0
VT	0	0	0	0
Other	0	0	0	0
Total	16,788	34,459	-17,671	

Vermont				
Imports				
Source	VT	Export State	Difference	USED
CT	0	0	0	0
ME	0	0	0	0
MA	0	0	0	0
NH	0	0	0	0
NJ	0	0	0	0
NY	0	0	0	0
RI	0	0	0	0
Other	0		0	0
Total	0	0		
Exports				
Source	VT	Import State	Difference	USED
CT	0	0	0	0
ME	0	0	0	0
MA	15,057	23,611	-8,554	15,358
NH	51,379	51,510	-131	51,510
NJ	0	0	0	0
NY	21,505	24,015	-2,510	21,505
RI	0	0	0	0
Other	0	0	0	0
Total	87,941	99,136	-11,195	