PENNSYLVANIA COMPENSATION RATING BUREAU

Claim Frequencies

The attached exhibits examine historical Workers Compensation claim frequencies in Pennsylvania.

Page 1 shows counts of claims and wages as compiled by the Pennsylvania Department of Labor and Industry along with resulting claim frequencies per \$1 million of payroll. Claim counts are available through the twelve months ending June 30, 2004.

Indicated average annual changes in claim frequency are also shown (column (8)) based on an exponential regression for frequencies during the calendar periods shown in column (7). The figures in column (6) indicate that there have been three distinct periods during the last ten years with regard to observed average annual changes in claim frequency. The period 1991-1994 showed an average change of -8.1% followed by three years (1995-1997) at -16.6%. Annual changes since 1997 have slowed somewhat with an estimate average change for 1998 - 2000 of -8.3%. Starting in 2001 and continuing through 2003, Labor & Industry claim counts showed increases due to changes in the types of claims certain carriers were reporting. The result is that patterns of claim reporting in recent years must be reviewed with great caution.

The second portion of page 1 presents claim frequencies on a fiscal year basis.

The second page shows a graph of the frequencies appearing in column (5) of page 1.

Claim frequencies per \$1 million of expected losses are shown on page 3 based on statistics gathered by the PCRB. For informational purposes, claim frequencies are also shown at constant (1987) wage levels. The data excludes the experience of deductible business. The pattern of changes in claim frequency on page 3 are similar to, although generally lower than, the Pennsylvania Department of Labor and Industry data shown on page 1. Staff is proposing an annual change in claim frequency of -6.2%. Last year's filing included an annual claim frequency trend of -6.0%.

The fourth page shows a graph of the frequencies appearing in column (5) of page 3.

The fifth and sixth pages are comparable to pages 3 and 4 but include the experience of deductible policies.

The seventh page shows a graph comparing claim frequencies presented on pages 2, 4 and 6, all indexed to a common value of 1.0 at January 1, 1988.

Page 8 presents the Unit Statistical Plan claim frequencies of page 3 by industry group and page 9 shows a graph of those industry group claim frequencies.

Pennsylvania W.C. - Injury Frequencies per Department of Labor & Industry Statistics

Calendar Year	Fatal & Non-Fatal Claim Counts (1)	% Change Counts (2)	Wages (Excl. Fed. Govt.)		% Change Wages (4)	Claim Frequency (# per \$1million) (5)	% Change Frequency (6)
1985	135,258		82,424,929,323			1.6410	
1986	138,168	2.2%	87,088,766,188		5.7%	1.5865	-3.3%
1987	139,706	1.1%	94,082,048,196		8.0%	1.4849	-6.4%
1988	146,461	4.8%	101,779,435,543		8.2%	1.4390	-3.1%
1989	148,445	1.4%	108,000,446,952		6.1%	1.3745	-4.5%
1990	158,030	6.5%	114,126,673,936		5.7%	1.3847	0.7%
1991	145,667	-7.8%	116,536,044,622		2.1%	1.2500	-9.7%
1992	143,268	-1.6%	123,163,218,565		5.7%	1.1632	-6.9%
1993	136,769	-4.5%	126,453,677,063		2.7%	1.0816	-7.0%
1994	130,093	-4.9%	131,499,113,452		4.0%	0.9893	-8.5%
1995	118,313	-9.1%	137,992,970,047		4.9%	0.8574	-13.3%
1996	102,132	-13.7%	144,910,231,319		5.0%	0.7048	-17.8%
1997	88,451	-13.4%	154,383,264,744		6.5%	0.5729	-18.7%
1998	85,783	-3.0%	164,800,517,598		6.7%	0.5205	-9.1%
1999	82,676	-3.6%	173,807,881,592		5.5%	0.4757	-8.6%
2000	80,133	-3.1%	181,587,857,121	@	4.5%	0.4413	-7.2%
2001	90,405	12.8%	189,076,552,680		4.1%	0.4781	8.4%
2002	95,206	5.3%	191,748,691,971		1.4%	0.4965	3.8%
2003	99,161	4.2%	196,849,780,416		2.7%	0.5037	1.5%
2003.5	* 98,041	-1.1% **	199,567,568,107		1.4%	0.4913	-2.5%

Period (7)	Annual % Change in Claim Frequency (8) #
CY85 - FY end 6/04 CY86 - FY end 6/04 CY87 - FY end 6/04 CY88 - FY end 6/04 CY89 - FY end 6/04 CY90 - FY end 6/04 CY91 - FY end 6/04 CY92 - FY end 6/04 CY93 - FY end 6/04 CY94 - FY end 6/04 CY95 - FY end 6/04 CY96 - FY end 6/04 CY97 - FY end 6/04 CY97 - FY end 6/04 CY99 - FY end 6/04 CY99 - FY end 6/04 CY90 - FY end 6/04 CY00 - FY end 6/04 CY01 - FY end 6/04	-7.75% -7.92% -8.07% -8.23% -8.34% -8.39% -8.17% -7.90% -7.40% -6.55% -5.17% -3.31% -1.31% 0.21% 1.91% 3.18% 1.34%

Fiscal Year Ending June 30	Fatal & Non-Fatal Claim Counts (1)	% Change Counts (2)	Wages (Excl. Fed. Govt.) (3)	% Change Wages (4)	Claim Frequency (# per \$1million) (5)	% Change Frequency (6)
1996	111.412		141,080,588,470		0.7897	
1997	94.081	-15.6%	148.855.166.710	5.5%	0.6320	-20.0%
1998	87,339	-7.2%	159,326,932,528	7.0%	0.5482	-13.3%
1999	83,769	-4.1%	168,545,476,679	5.8%	0.4970	-9.3%
2000	81,338	-2.9%	178,133,454,425 @	5.7%	0.4566	-8.1%
2001	82,813	1.8%	188,197,864,473	5.6%	0.4400	-3.6%
2002	94,215	13.8%	189,850,330,342	0.9%	0.4963	12.8%
2003	98,042	4.1%	193,398,561,446	1.9%	0.5069	2.2%
2004	98,041	0.0%	199,567,568,107	3.2%	0.4913	-3.1%

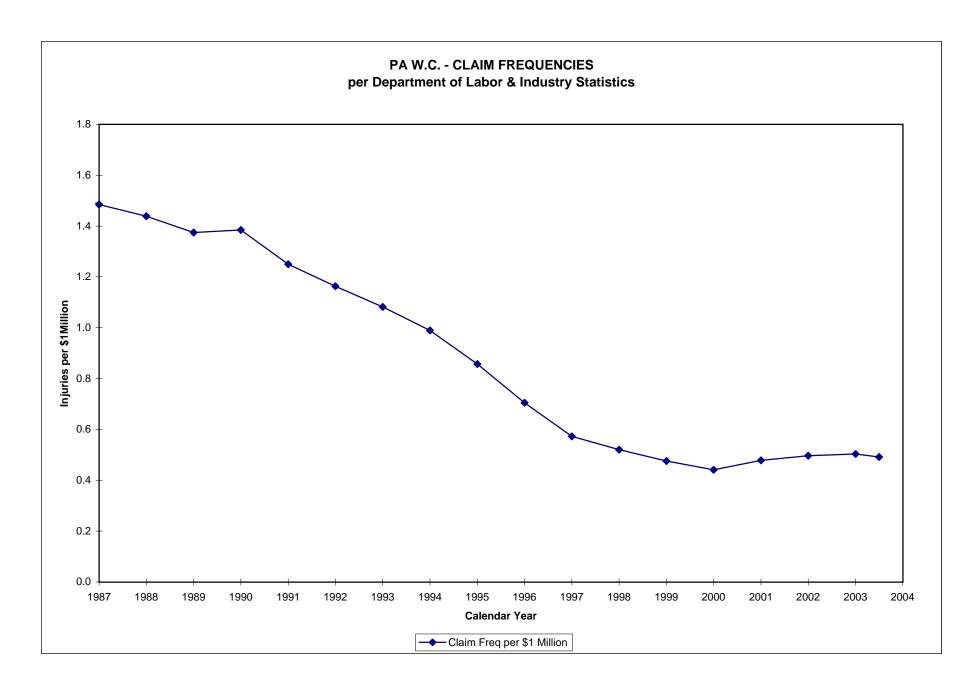
Period Ending 6/30 (7)	Annual % Change in Claim Frequency (8) #
96-04	-4.69%
97-04	-2.58%
98-04	-0.73%
99-04	1.08%
00-04	2.92%
01-04	3.58%
02-04	-0.50%

^{*} July 1, 2003 thru June 30, 2004 .

** Six month change 1/04-12/04 to 7/04-6/05. Annualized changes are -2.2% (Counts), +2.8% (Wages) and -4.9% (Frequency)

[#] Exponential Trend

^{@1}ST Quarter 2000 wages have been adjusted (from 45,317,695,400 to 42,864,043,865) for unusually high wage levels during the period.



Pennsylvania W.C - Claim Frequencies PCRB Unit Statistical Plan

(Excluding Deductible Business)

Policy	# of Claim Indemnity	% Change Counts	Expected Losses	% Change Exp Loss	Claim Frequency (#Claims per \$1 million)	% Change Claim Freq
Year	(1)	(2)	(3)	(4)	(5)	(6)
1987	78,735					
1988	81,465	3.5%				
1989	82,954	1.8%				
1990	78,222	-5.7%	1,814,287,765		43.11	
1991	69,377	-11.3%	1,738,308,090	-4.2%	39.91	-7.4%
1992	56,630	-18.4%	1,533,045,805	-11.8%	36.94	-7.4%
1993	48,011	-15.2%	1,398,296,381	-8.8%	34.34	-7.0%
1994	42,190	-12.1%	1,374,357,656	-1.7%	30.70	-10.6%
1995	36,944	-12.4%	1,350,617,908	-1.7%	27.35	-10.9%
1996	36,026	-2.5%	1,444,651,991	7.0%	24.94	-8.8%
1997	37,707	4.7%	1,599,060,631	10.7%	23.58	-5.5%
1998	37,258	-1.2%	1,697,199,175	6.1%	21.95	-6.9%
1999	37,523	0.7%	1,825,613,411	7.6%	20.55	-6.4%
2000	35,951	-4.2%	1,869,107,070	2.4%	19.23	-6.4%
2001	32,418	-9.8%	1,798,830,027	-3.8%	18.02	-6.3%
2002	29,968	-7.6%	1,751,233,939	-2.6%	17.11	-5.0%

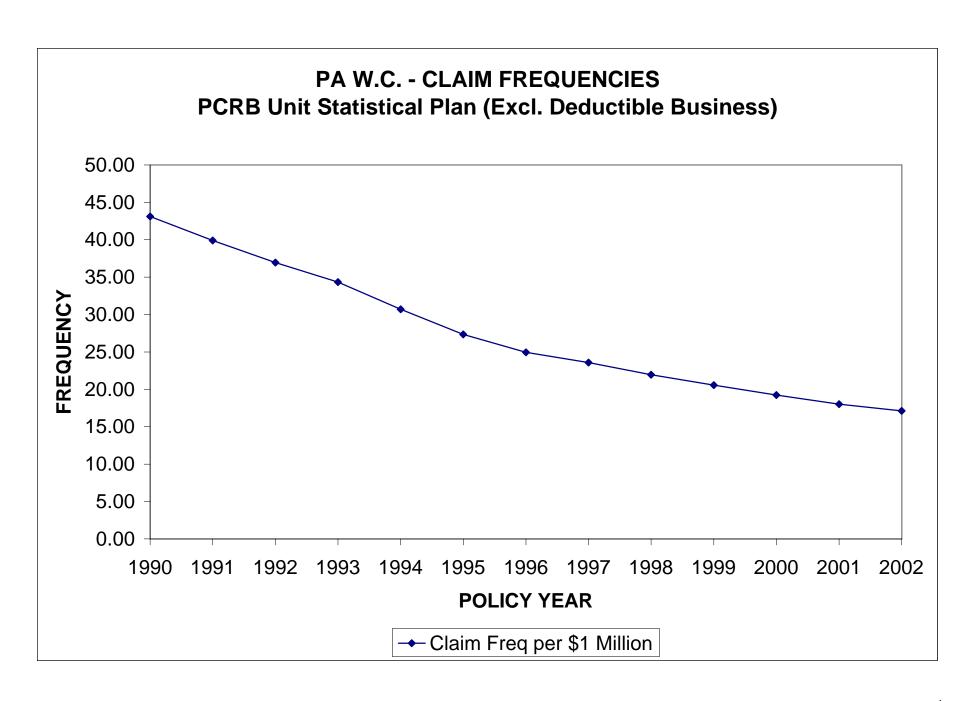
Period	Annual % Change In Claim Frequency
PY87-PY02	
PY88-PY02	
PY89-PY02	
PY90-PY02	-7.7%
PY91-PY02	-7.6%
PY92-PY02	-7.5%
PY93-PY02	-7.2%
PY94-PY02	-6.8%
PY95-PY02	-6.4%
PY96-PY02	-6.2%
PY97-PY02	-6.3%
PY98-PY02	-6.1%
PY99-PY02	-6.0%
PY00-PY02	-5.7%
PY01-PY02	-5.0%

Policy Year	SAWW	% Change SAWW	SAWW Index	Adj Claim Freq. * (#Claims per \$1 million)	% Change Adj Claim Frequency
1987	398.30		1.0000		
1988	417.30	4.8%	1.0477		
1989	434.57	4.1%	1.0911		
1990	454.55	4.6%	1.1412	49.20	
1991	474.62	4.4%	1.1916	47.56	-3.3%
1992	493.65	4.0%	1.2394	45.78	-3.7%
1993	508.29	3.0%	1.2761	43.82	-4.3%
1994	523.74	3.0%	1.3149	40.36	-7.9%
1995	540.62	3.2%	1.3573	37.13	-8.0%
1996	560.70	3.7%	1.4077	35.10	-5.5%
1997	586.44	4.6%	1.4724	34.72	-1.1%
1998	611.55	4.3%	1.5354	33.71	-2.9%
1999	640.21	4.7%	1.6074	33.04	-2.0%
2000	659.89	3.1%	1.6568	31.87	-3.5%
2001	674.45	2.2%	1.6933	30.52	-4.2%
2002	691.37	2.5%	1.7358	29.70	-2.7%

Period	Annual % Change In Adjusted Claim Frequency
PY87-PY02	•
PY88-PY02	
PY89-PY02	
PY90-PY02	-4.3%
PY91-PY02	-4.2%
PY92-PY02	-4.1%
PY93-PY02	-3.8%
PY94-PY02	-3.4%
PY95-PY02	-3.0%
PY96-PY02	-2.9%
PY97-PY02	-3.1%
PY98-PY02	-3.3%
PY99-PY02	-3.6%
PY00-PY02	-3.5%
PY01-PY03	-2.7%

Projected Annual Change in Claim Frequency : -6.2% (See PY96-PY02)

^{*} Adjusted claim frequency is claim frequency per \$1 million expected losses at constant (1987) wages



Pennsylvania W.C - Claim Frequencies
PCRB Unit Statistical Plan
All Business Including Deductible Business

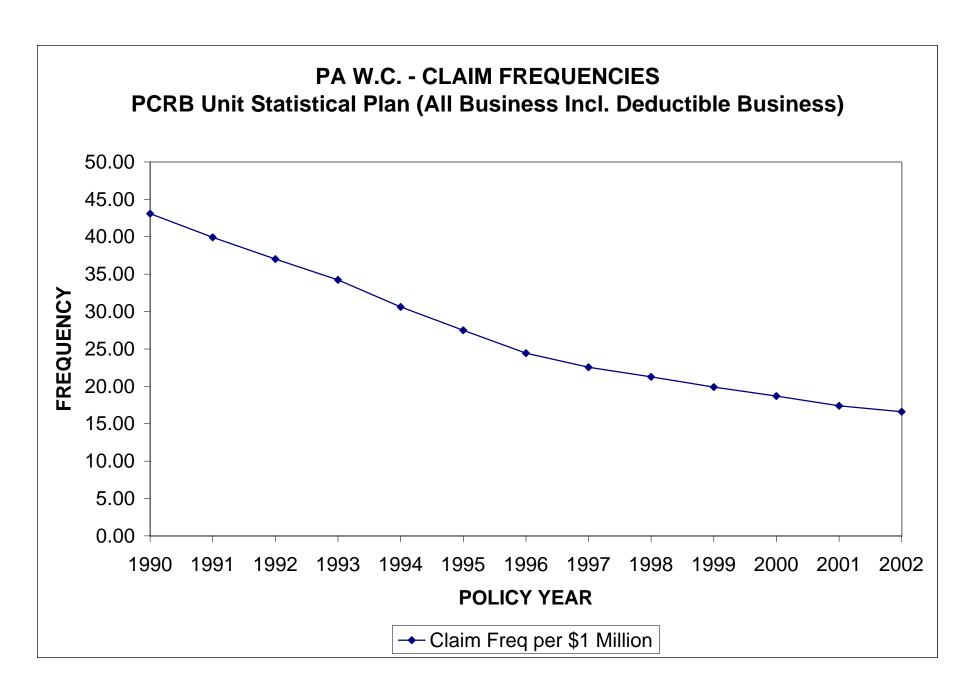
Policy	# of Claim Indemnity	% Change Counts	Expected Losses	% Change Exp Loss	Claim Frequency (#Claims per \$1 million)	% Change Frequency
Year	(1)	(2)	(3)	(4)	(5)	(6)
1987	78,735					
1988	81,465	3.5%				
1989	82,954	1.8%				
1990	78,504	-5.4%	1,821,528,019		43.10	
1991	71,702	-8.7%	1,795,786,534	-1.4%	39.93	-7.4%
1992	67,138	-6.4%	1,813,853,023	1.0%	37.01	-7.3%
1993	62,132	-7.5%	1,814,716,247	0.0%	34.24	-7.5%
1994	58,073	-6.5%	1,896,416,652	4.5%	30.62	-10.6%
1995	53,134	-8.5%	1,932,831,366	1.9%	27.49	-10.2%
1996	50,200	-5.5%	2,054,719,607	6.3%	24.43	-11.1%
1997	50,070	-0.3%	2,219,162,218	8.0%	22.56	-7.7%
1998	50,829	1.5%	2,391,114,671	7.7%	21.26	-5.8%
1999	51,781	1.9%	2,602,271,188	8.8%	19.90	-6.4%
2000	50,767	-2.0%	2,715,457,490	4.3%	18.70	-6.0%
2001	47,196	-7.0%	2,713,825,500	-0.1%	17.39	-7.0%
2002	44,371	-6.0%	2,673,026,072	-1.5%	16.60	-4.5%

Period	Annual % Change In Claim Frequency
PY90-PY02	-8.0%
PY91-PY02	-8.0%
PY92-PY02	-7.8%
PY93-PY02	-7.6%
PY94-PY02	-7.2%
PY95-PY02	-6.7%
PY96-PY02	-6.3%
PY97-PY02	-6.1%
PY98-PY02	-6.1%
PY99-PY02	-6.0%
PY00-PY02	-5.8%
PY01-PY02	-4.5%

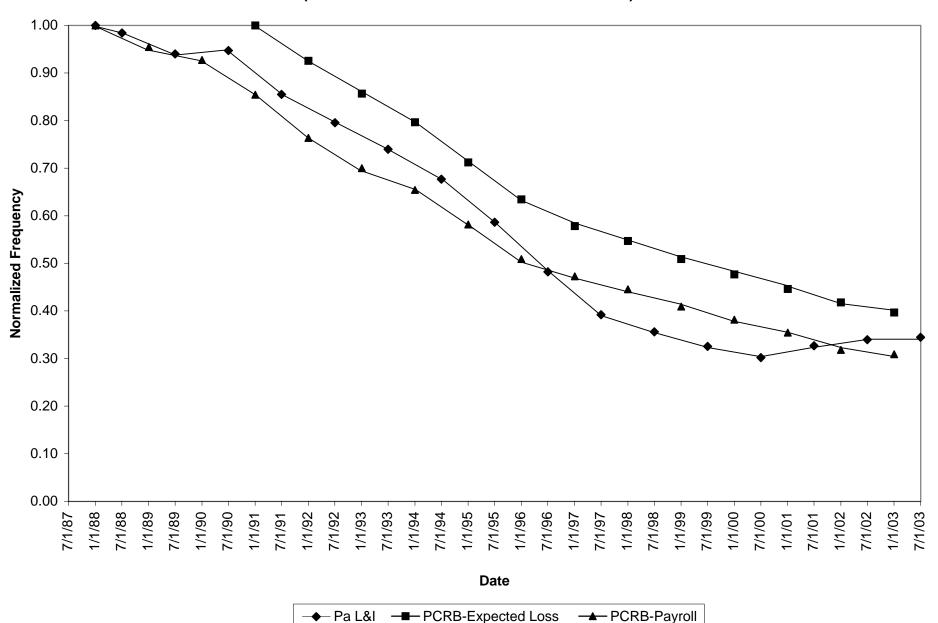
Policy	SAWW	% Change SAWW	SAWW Index	Adj Claim Freq. * (#Claims per \$1 million)	% Change Adj Claim
Year					Frequency
1987	398.30		1.0000		
1988	417.30	4.8%	1.0477		
1989	434.57	4.1%	1.0911		
1990	454.55	4.6%	1.1412	49.18	
1991	474.62	4.4%	1.1916	47.58	-3.3%
1992	493.65	4.0%	1.2394	45.88	-3.6%
1993	508.29	3.0%	1.2761	43.69	-4.8%
1994	523.74	3.0%	1.3149	40.27	-7.8%
1995	540.62	3.2%	1.3573	37.31	-7.4%
1996	560.70	3.7%	1.4077	34.39	-7.8%
1997	586.44	4.6%	1.4724	33.22	-3.4%
1998	611.55	4.3%	1.5354	32.64	-1.7%
1999	640.21	4.7%	1.6074	31.98	-2.0%
2000	659.89	3.1%	1.6568	30.97	-3.2%
2001	674.45	2.2%	1.6933	29.45	-4.9%
2002	691.37	2.5%	1.7358	28.81	-2.2%

Period	Annual % Change In Adjusted Claim Frequency
PY90-PY02	-4.6%
PY91-PY02	-4.6%
PY92-PY02	-4.5%
PY93-PY02	-4.2%
PY94-PY02	-3.8%
PY95-PY02	-3.3%
PY96-PY02	-2.9%
PY97-PY02	-3.0%
PY98-PY02	-3.3%
PY99-PY02	-3.6%
PY00-PY02	-3.6%
PY01-PY03	-2.2%

^{*} Adjusted claim frequency is claim frequency per \$1 million payroll at constant (1987) wages



PA W.C. - COMPARISON OF CLAIM FREQUENCIES (PCRB Data Excludes Deductible Business)



Pennsylvania W.C. - Claim Frequencies
PCRB Unit Statistical Plan (Excluding Deductible Business)

		# of Claim	% Change	Expected	% Change	Claim Frequency	% Change	Period	Annual % Change
Policy	Industry	Indemnity	Counts	Losses	Exp Loss	(#Claims per \$1 million)	Frequency		In Claim Frequency
Year	Group	(1)	(2)	(3)	(4)	(5)	(6)		
1987	1 (MFG)	26,756		506,748,388		52.80		PY87-PY02	-7.4%
1988	1	28,444	6.3%	528,682,884	4.3%	53.80	1.9%	PY88-PY02	-7.6%
1989	1	27,777	-2.3%	527,398,892	-0.2%	52.67	-2.1%	PY89-PY02	-7.7%
1990	1	25,002	-10.0%	527,028,142	-0.1%	47.44	-9.9%	PY90-PY02	-7.5%
1991	1	20,518	-17.9%	488,059,012	-7.4%	42.04	-11.4%	PY91-PY02	-7.4%
1992	1	16,059	-21.7%	399,714,769	-18.1%	40.18	-4.4%	PY92-PY02	-7.4%
1993	1	13,300	-17.2%	355,822,312	-11.0%	37.38	-7.0%	PY93-PY02	-7.3%
1994	1	11,522	-13.4%	341,733,677	-4.0%	33.72	-9.8%	PY94-PY02	-6.9%
1995	1	9,874	-14.3%	327,053,089	-4.3%	30.19	-10.5%	PY95-PY02	-6.5%
1996	1	9,213	-6.7%	340,330,060	4.1%	27.07	-10.3%	PY96-PY02	-6.3%
1997	1	10,067	9.3%	388,483,580	14.1%	25.91	-4.3%	PY97-PY02	-6.6%
1998	1	9,745	-3.2%	404,822,649	4.2%	24.07	-7.1%	PY98-PY02	-6.8%
1999	1	9,264	-4.9%	404,102,792	-0.2%	22.92	-4.8%	PY99-PY02	-7.5%
2000	1	8,509	-8.1%	394,866,262	-2.3%	21.55	-6.0%	PY00-PY02	-8.4%
2001	1	7,139	-16.1%	355,815,871	-9.9%	20.06	-6.9%	PY01-PY02	-9.8%
2001	1	6,168					-9.8%	P101-P102	-9.6%
2002	ı	0,100	-13.6%	340,890,086	-4.2%	18.09	-9.6%		
1987	2 (Contracting)	11,093		316,844,901		35.01		PY87-PY02	-6.1%
1988	2	11,547	4.1%	332,676,545	5.0%	34.71	-0.9%	PY88-PY02	-6.2%
1989	2	11,619	0.6%	334,130,696	0.4%	34.77	0.2%	PY89-PY02	-6.3%
1990	2	10,405	-10.4%	343,307,775	2.7%	30.31	-12.8%	PY90-PY02	-6.2%
1991	2	9,013	-13.4%	314,849,790	-8.3%	28.63	-5.5%	PY91-PY02	-6.3%
1992	2	8,123	-9.9%	291,743,102	-7.3%	27.84	-2.8%	PY92-PY02	-6.4%
1993	2	7,196	-11.4%	278,342,691	-4.6%	25.85	-7.1%	PY93-PY02	-6.4%
1994	2	7,204	0.1%	288,072,858	3.5%	25.01	-3.2%	PY94-PY02	-6.5%
1995	2	6,290	-12.7%	280,186,671	-2.7%	22.45	-10.2%	PY95-PY02	-6.2%
1996	2	6,543	4.0%	303,990,994	8.5%	21.52	-4.1%	PY96-PY02	-6.3%
1997	2	6,564	0.3%	331,598,456	9.1%	19.80	-8.0%	PY97-PY02	-6.1%
1998	2	6,731	2.5%	365,446,188	10.2%	18.42	-7.0%	PY98-PY02	-6.0%
1999	2	6,816	1.3%	393,920,337	7.8%	17.30	-6.1%	PY99-PY02	-6.2%
2000	2	6,802	-0.2%	409,712,648	4.0%	16.60	-4.0%	PY00-PY02	-7.3%
	2	6,437	-0.2% -5.4%				-6.6%		
2001				414,914,363	1.3%	15.51		PY01-PY02	-7.9%
2002	2	5,914	-8.1%	414,212,579	-0.2%	14.28	-7.9%		
1987	3 (Other)	40,886		788,010,413		51.89		PY87-PY02	-7.6%
1988	3	41,474	1.4%	841,536,965	6.8%	49.28	-5.0%	PY88-PY02	-7.8%
1989	3	43,558	5.0%	886,514,368	5.3%	49.13	-0.3%	PY89-PY02	-8.0%
1990	3	42,815	-1.7%	943,951,848	6.5%	45.36	-7.7%	PY90-PY02	-7.9%
1991	3	39,846	-6.9%	935,399,288	-0.9%	42.60	-6.1%	PY91-PY02	-7.8%
1992	3	32,448	-18.6%	841,587,934	-10.0%	38.56	-9.5%	PY92-PY02	-7.6%
1993	3	27,515	-15.2%	764,131,378	-9.2%	36.01	-6.6%	PY93-PY02	-7.3%
1994	3	23,464	-14.7%	744,551,121	-2.6%	31.51	-12.5%	PY94-PY02	-6.7%
1995	3	20,780	-11.4%	743,378,148	-0.2%	27.95	-11.3%	PY95-PY02	-6.3%
1995	3	20,780	-11.4% -2.5%	800,330,937	-0.2% 7.7%	25.33	-9.4%	PY96-PY02	-5.9%
1996	3	21,076	-2.5% 4.0%	878,978,595	9.8%	23.98	-5.3%	PY97-PY02	-5.9%
		21,076				∠ა.ყი 22.42			
1998	3	20,782	-1.4%	926,930,338	5.5%	22.42	-6.5%	PY98-PY02	-5.6%
1999	3	21,443	3.2%	1,027,590,282	10.9%	20.87	-6.9%	PY99-PY02	-4.9%
2000	3	20,640	-3.7%	1,064,528,160	3.6%	19.39	-7.1%	PY00-PY02	-3.8%
2001	3	18,842	-8.7%	1,028,099,793	-3.4%	18.33	-5.5%	PY01-PY02	-2.0%
2002	3	17,886	-5.1%	996,131,274	-3.1%	17.96	-2.0%		

