

TABLE 13.2.12 PROJECTED DOMESTIC WATER CONSUMPTION IN 2005, BY CITY/MUNICIPALITY

CITY/MUNICIPALITY	TOTAL POPULATION (2005)		PER CAPITA CONSUMPTION		DOMESTIC CONSUMPTION (2005)			%WS CONNECTED			%WS CONNECTED POPULATION			%WS DOMESTIC CONSUMPTION			PRIVATE DOMESTIC CONSUMPTION					
	TOTAL	GENERAL	BLDG'D	WATER	GENERAL	BLDG'D	TOTAL	GENERAL	BLDG'D	WATER	POP.	BLDG'D	POP.	GENERAL	BLDG'D	TOTAL	GENERAL	BLDG'D	TOTAL	GENERAL	BLDG'D	TOTAL
I. SOC	10,847,852	8,878,122	2,169,530	200	1,738,884	75,934	1,814,818	71	70	81	7,895,821	1,518,671	6,434,493	1,581,188	53,153	1,634,341	1,577,636	22,780	189,476	1,554,856	22,780	189,476
CITY OF MANILA	1,723,126	1,463,436	259,690	195	285,889	9,088	284,976	91	70	91	1,380,264	181,703	1,572,047	211,593	6,362	277,955	14,284	2,727	17,021	160,671	2,727	17,021
PASIG CITY *	457,147	313,591	143,556	193	309,706	5,010	65,715	95	70	95	288,291	100,209	388,501	57,670	3,897	51,177	3,039	1,503	4,542	46,167	1,503	4,542
QUEZON CITY	2,400,635	1,761,459	439,136	196	345,108	15,370	360,478	95	70	95	1,673,424	390,297	1,980,819	327,852	10,759	318,612	17,255	4,611	21,866	300,997	4,611	21,866
CALOOCAN CITY *	1,076,883	714,253	302,624	193	149,690	10,592	160,282	95	70	95	668,121	211,836	889,957	122,247	1,414	134,651	22,454	3,548	25,611	112,197	3,548	25,611
LAGUNA RINA *	708,764	619,083	89,681	193	119,689	3,137	122,826	85	70	85	585,220	82,755	588,965	101,736	2,196	103,932	17,983	941	18,924	86,949	941	18,924
MANILA	539,315	489,978	49,337	217	101,751	2,427	104,178	95	70	95	446,479	48,556	495,035	36,015	1,693	50,249	5,088	728	5,816	440,947	728	5,816
MAKAPULITAN	346,868	271,172	69,696	191	255,587	2,435	56,036	85	70	85	235,635	48,787	284,422	43,383	1,708	47,256	8,038	722	8,760	276,660	722	8,760
MALABON	286,044	235,109	60,935	193	45,454	1,135	47,589	95	70	95	223,354	12,534	235,888	33,182	1,493	44,675	2,273	640	4,915	230,969	640	4,915
MARIKINA	47,285	365,529	81,760	195	11,357	2,866	14,223	95	70	95	347,253	57,232	404,485	67,889	2,003	50,282	3,586	856	4,442	399,999	856	4,442
NAVotas *	431,779	391,186	39,593	193	35,209	3,484	38,693	95	70	95	333,058	67,687	401,745	64,778	2,439	67,217	11,431	1,045	12,476	334,306	1,045	12,476
PARANQUE *	68,453	432,458	36,035	268	121,450	1,261	122,694	88	70	88	381,590	25,224	406,814	109,218	882	104,101	16,115	378	16,493	292,613	378	16,493
PATEROS *	70,318	62,187	8,131	193	12,651	4,147	16,798	95	70	95	49,624	82,546	132,170	88,018	2,903	90,921	4,833	1,244	5,077	87,017	1,244	5,077
SAN JUAN	140,304	129,954	10,350	260	9,515	3,672	13,187	95	70	95	123,457	7,345	130,802	30,333	200	9,815	2,404	86	2,491	128,387	86	2,491
TAGUIG *	332,792	323,754	8,938	193	82,800	2,415	85,215	80	70	80	259,035	48,289	307,324	53,080	1,890	51,771	12,520	784	13,354	295,953	784	13,354
VALERDELA *	621,076	387,842	214,234	193	74,983	6,948	81,931	80	79	80	329,666	170,954	500,620	53,435	5,984	63,419	14,247	2,554	13,801	486,113	2,554	13,801
II. CAVITE	886,825	670,951	15,874	193	129,717	556	130,273	80	54	80	538,630	8,500	547,130	104,114	236	104,412	23,603	238	23,840	463,718	238	23,840
BAJOCOR *	275,100	258,616	6,484	193	51,932	229	52,161	85	70	85	228,324	4,574	232,898	41,113	169	44,303	7,199	69	7,268	225,625	69	7,268
CAVITE CITY *	109,508	108,884	1,624	193	21,035	39	21,074	91	85	91	101,384	940	102,324	19,401	33	15,634	1,435	6	1,441	86,913	6	1,441
GENET *	135,818	133,081	2,737	193	25,223	96	25,319	63	42	63	90,389	1,159	91,544	17,475	40	17,516	4,254	55	4,309	74,028	55	4,309
IMAY *	69,254	68,828	426	193	13,009	15	13,024	95	100	95	65,722	416	66,138	12,006	15	12,721	603	0	603	64,535	0	603
NOVIGTA	28,673	28,010	663	193	5,415	23	5,438	76	63	76	21,412	415	21,827	4,140	15	4,154	1,676	9	1,685	17,143	9	1,685
ROSARIO *	88,022	83,901	4,121	193	12,236	165	12,401	49	23	47	31,290	1,020	32,310	6,043	36	6,085	6,247	119	6,364	26,225	119	6,364
III. RIZAL	1,503,411	1,052,571	450,840	175	181,124	15,966	200,092	74	13	56	775,105	59,481	834,586	137,601	2,350	139,990	46,523	13,618	60,142	317,994	13,618	60,142
ARGON *	72,979	43,787	29,192	181	7,927	1,022	8,949	100	0	60	43,787	0	43,787	7,927	0	7,927	0	1,022	1,022	36,860	1,022	1,022
ANTIPOL *	379,154	319,179	59,975	155	49,458	2,639	52,097	50	22	46	160,880	13,295	174,175	24,293	585	25,514	21,529	2,054	26,583	148,665	2,054	26,583
BARAS *	22,802	2,215	401	181	401	828	1,030	100	0	10	2,215	0	2,215	401	0	401	0	828	629	1,814	0	629
BIDANGHAY *	182,159	87,908	74,247	181	15,915	2,520	18,435	100	0	34	87,908	0	87,908	15,915	0	15,915	0	2,520	2,520	72,013	0	2,520
CAJETA *	251,447	228,393	23,054	193	43,752	886	44,638	80	70	78	181,042	17,601	198,643	35,401	616	35,517	8,750	264	9,011	163,131	264	9,011
CARDONA *	38,270	4,645	33,625	181	841	1,021	1,862	100	0	12	4,645	0	4,645	841	0	841	0	1,021	1,021	3,804	0	1,021
JARA-JARA *	20,131	3,137	16,994	181	568	526	1,094	100	0	16	3,137	0	3,137	568	0	568	0	526	526	2,569	0	526
MONTALBAN *	90,845	77,103	13,742	124	9,580	591	10,171	76	48	72	56,768	6,387	63,155	7,257	281	7,538	2,303	310	2,848	55,617	310	2,848
MORONG *	48,242	9,763	38,479	181	1,768	919	2,708	100	0	24	9,763	0	9,763	1,768	0	1,768	0	919	919	7,994	0	919
PILILLA *	41,556	11,935	29,621	181	2,161	928	3,089	100	0	29	11,935	0	11,935	2,161	0	2,161	0	928	928	9,774	0	928
SAN MATEO *	109,620	11,765	37,851	204	14,641	1,656	16,297	66	27	53	47,653	10,086	57,739	9,222	444	10,166	4,913	1,222	6,144	47,515	1,222	6,144
TANAY *	78,789	32,489	46,300	181	5,882	1,497	7,379	100	0	41	32,489	0	32,489	5,882	0	5,882	0	1,497	1,497	26,602	0	1,497
TAYAS *	173,036	155,743	17,293	193	30,106	806	30,712	80	70	79	124,578	12,112	136,690	24,405	424	24,509	6,921	184	6,204	112,189	184	6,204
VERGAS *	22,410	6,315	16,095	181	1,143	504	1,647	100	0	28	6,315	0	6,315	1,143	0	1,143	0	504	504	4,668	0	504
TOTAL	119,831,888	10,491,843	2,636,245	197	3,052,125	92,458	2,145,160	89	60	83	9,209,447	1,586,872	10,796,319	1,823,402	55,802	1,878,704	329,623	36,656	266,419	8,918,615	36,656	266,419

NOTE: 1. Areas with (cp) have suppressed demand due to low water pressure, and be expected to be improved by AKSOP.
 2. Areas with (cp) also have suppressed demand due to low water pressure, and be expected to be improved by XSWOP.
 3. Areas with (cp) have suppressed demand due to limited water sources, and be expected to be improved by PAKSOP.
 4. Areas with (cp) are merged area under SP799, and be expected to be improved by RPS7IP.

TABLE 13.2.13 PROJECTED DOMESTIC WATER CONSUMPTION IN 2010, BY CITY/MUNICIPALITY

CITY/MUNICIPALITY	TOTAL POPULATION (2010)			PER CAPITA CONSUMPTION			DOMESTIC CONSUMPTION (2010)			WSS CONNECTED POPULATION			WSS DOMESTIC CONSUMPTION			PRIVATE CON. CONSUMPTION				
	GENERAL (M2/D)	BLIGHTED (M2/D)	TOTAL (M2/D)	GEN'L. (L/PCD)	BLIGHTED (L/PCD)	TOTAL (L/PCD)	GENERAL (M2/D)	BLIGHTED (M2/D)	TOTAL (M2/D)	GENERAL POP.	BLIGHTED POP.	TOTAL POP.	GENERAL (M2/D)	BLIGHTED (M2/D)	TOTAL (M2/D)	GENERAL (M2/D)	BLIGHTED (M2/D)	TOTAL (M2/D)		
I. WCE	11,619,606	2,329,972	14,949,578	35	35	35	1,905,210	81,547	11,936,777	92	75	83	8,551,946	1,747,441	10,299,387	1,814,246	152,144	20,387	112,511	
CITY OF KAVILA	1,464,188	258,959	1,723,147	35	35	35	292,838	5,064	301,901	95	75	92	1,430,728	194,219	1,624,947	278,156	6,738	34,893	2,256	16,908
PASIG CITY *	475,225	326,828	802,053	35	35	35	65,386	5,194	70,580	95	75	86	310,487	111,298	421,784	82,097	3,895	3,288	1,288	4,587
QUEZON CITY *	2,432,151	1,360,880	4,221,031	35	35	35	172,176	16,180	188,356	95	75	91	1,167,428	346,705	1,514,133	353,567	32,135	385,702	4,945	22,654
CALOOCAN CITY *	1,164,630	326,316	1,490,946	35	35	35	157,855	11,422	179,277	90	75	86	751,448	244,787	996,235	150,889	9,567	159,456	2,856	19,621
LAS PINAS *	878,108	787,179	1,665,287	35	35	35	153,476	3,876	157,351	85	75	84	652,472	83,047	735,519	138,454	2,907	135,361	965	23,950
MAHAI	553,793	422,797	976,590	35	35	35	106,215	2,485	108,700	95	75	92	458,651	53,248	511,900	100,904	1,864	102,768	5,311	5,332
BARANGAY *	360,515	288,282	648,797	35	35	35	57,656	2,528	60,184	90	75	87	239,454	54,175	293,629	51,787	1,495	53,282	632	6,358
MARINA	483,621	395,470	879,091	35	35	35	48,530	2,193	50,723	95	75	91	230,517	46,899	277,416	46,103	1,645	47,748	548	2,915
BONTIPIA *	585,213	451,573	1,036,786	35	35	35	90,315	3,577	94,892	85	75	83	382,637	85,232	467,869	76,787	2,903	79,790	3,547	31,542
BAROTACIN *	251,550	180,739	432,289	35	35	35	36,148	2,478	38,626	95	75	89	171,022	221,810	392,832	34,340	1,859	36,199	1,887	620
BAROTACIN *	541,364	502,098	1,043,462	35	35	35	125,625	1,935	127,560	85	75	84	428,423	29,839	458,262	106,686	1,448	107,134	18,689	345
PASIG	648,283	519,391	1,167,674	35	35	35	108,860	4,514	113,374	95	75	84	495,358	96,736	592,094	38,667	3,386	42,053	5,133	1,125
PATEROS *	74,946	66,282	141,228	35	35	35	13,256	303	13,559	90	75	88	59,654	6,492	66,146	11,931	223	12,158	76	1,401
SAR JUAN	141,097	136,635	277,732	35	35	35	32,659	383	33,042	95	75	94	124,403	17,179	141,582	31,026	272	31,298	1,633	51
TACUBIG *	427,328	382,472	809,800	35	35	35	70,494	2,620	73,114	90	75	87	317,224	58,139	375,363	53,445	1,965	65,410	7,049	655
VALERZUELA *	731,811	449,840	1,181,651	35	35	35	89,968	3,869	93,837	90	75	84	404,856	211,479	616,335	80,971	7,402	88,373	8,937	2,467
II. CAWTE	156,085	11,838	167,923	35	35	35	148,877	409	149,286	87	56	86	644,697	6,494	651,190	128,939	227	129,167	13,938	182
BAJOBO *	313,833	309,444	623,277	35	35	35	61,889	154	62,043	85	75	85	263,027	5,296	268,323	32,605	115	52,721	9,283	33
CAWTE CITY *	112,628	675	113,303	35	35	35	22,330	24	22,354	100	100	100	111,452	676	112,128	22,360	24	22,414	0	0
LABANG *	148,542	146,579	295,121	35	35	35	23,316	69	23,385	85	51	84	124,258	985	125,243	24,832	35	24,866	4,464	36
MAIT *	75,407	75,106	150,513	35	35	35	15,021	17	15,038	100	100	100	75,106	302	75,407	15,021	17	15,032	0	0
NOVELTA	30,855	30,476	61,331	35	35	35	6,095	17	6,112	87	69	86	26,422	328	26,750	5,284	11	5,296	811	5
ROSARIO *	74,715	70,830	145,545	35	35	35	14,156	136	14,292	82	25	60	45,932	897	46,829	8,786	31	8,818	5,360	105
III. RIZAL	1,667,207	1,242,272	2,909,479	35	35	35	230,761	15,185	245,946	81	14	61	1,006,635	61,112	1,067,747	190,411	2,406	192,815	40,381	12,780
ANGONO *	80,788	56,552	137,340	35	35	35	11,563	348	12,431	100	0	70	56,552	11,583	68,135	11,583	0	11,583	0	818
ANTIPOLDO *	435,886	315,317	751,203	35	35	35	60,983	2,740	63,823	18	19	43	218,932	11,261	230,193	35,430	518	35,448	25,633	2,222
BARAS *	24,182	3,412	27,594	35	35	35	639	630	1,269	100	0	14	3,412	0	3,412	598	0	698	0	630
BANGALOGAN *	195,117	108,067	303,184	35	35	35	22,153	2,063	24,198	100	0	84	108,067	0	108,067	22,153	0	22,153	0	2,063
CALINTA *	295,646	286,082	581,728	35	35	35	51,216	1,015	52,231	90	75	89	239,473	22,173	261,646	47,895	776	48,671	5,322	259
CARDONA *	38,952	5,348	44,300	35	35	35	1,095	1,020	2,115	100	0	14	5,348	0	5,348	1,095	0	1,095	0	1,020
FAKAL-JARA *	20,826	4,821	25,647	35	35	35	988	450	1,478	100	0	23	4,821	0	4,821	988	0	988	0	450
MONTALBAN *	95,318	85,317	180,635	35	35	35	10,969	506	11,475	83	44	78	79,530	4,708	84,238	9,068	220	9,288	1,901	286
ORONG *	43,304	11,947	55,251	35	35	35	2,467	966	3,413	100	0	28	11,947	0	11,947	2,467	0	2,467	0	966
PLUILLA *	43,312	14,971	58,283	35	35	35	3,077	882	3,949	100	0	35	14,971	0	14,971	3,077	0	3,077	0	882
SAN MATEO *	115,769	83,560	199,329	35	35	35	18,250	1,491	19,741	97	25	63	64,384	6,105	70,489	14,102	373	14,478	4,537	1,118
TAMAY *	83,535	40,339	123,874	35	35	35	8,385	1,366	9,751	100	0	43	40,339	0	40,339	8,385	0	8,385	0	1,366
TAYAY *	197,133	177,418	374,551	35	35	35	35,484	650	36,174	90	75	89	159,676	14,765	174,441	31,945	517	32,462	3,548	172
TRESE *	22,441	1,731	24,172	35	35	35	1,581	458	2,039	100	0	34	7,721	0	7,721	1,581	0	1,581	0	458
TOTAL	14,072,900	11,306,345	25,379,245	35	35	35	2,481,899	97,141	2,579,040	91	66	88	10,233,371	1,815,047	12,048,418	2,076,436	61,592	2,138,028	212,463	31,345

NOTE: 1. Areas with (*) have suppressed demand due to low water pressure, and be expected to be improved by ANSP.
 2. Areas with (**) also have suppressed demand due to low water pressure, and be expected to be improved by NSWF.
 3. Areas with (+) have suppressed demand due to limited water sources, and be expected to be improved by FANSP.
 4. Areas with (+) are merged area under BPS99, and be expected to be improved by BPS11.

TABLE 13.2.14 COMMERCIAL WATER DEMAND GROWTH PROJECTION

YEAR	CG(I) (1)	COED(I) (2)	IR1(I) (3)	CTI(I) (4)	CPED(I) (5)	IR2(I) (6)	IR(I) (7)	II(I) (8)	DEMAND (9)
1990	5.98	1.06	6.34	-3.34	-0.11	0.37	6.71	1.0000	451,047
1991	5.70	1.06	6.04	-1.77	-0.11	0.19	6.24	1.0624	479,177
1992	3.55	1.06	3.76	-0.61	-0.11	0.07	3.83	1.1031	497,530
1993	4.51	1.06	4.78	-0.54	-0.11	0.06	4.84	1.1564	521,611
1994	4.64	1.06	4.92	1.01	-0.11	-0.11	4.81	1.2120	546,686
1995	4.22	1.06	4.47	-0.11	-0.11	0.01	4.49	1.2664	571,207
1996	4.06	1.06	4.30	-0.52	-0.11	0.06	4.36	1.3216	596,116
1997	3.83	1.06	4.06	-0.62	-0.11	0.07	4.13	1.3762	620,724
1998	3.60	1.06	3.82	-0.58	-0.11	0.06	3.88	1.4296	644,807
1999	3.60	1.06	3.82	-0.22	-0.11	0.02	3.84	1.4845	669,568
2000	3.49	1.06	3.70	-3.99	-0.11	0.44	4.14	1.5459	697,277
2001	3.34	1.06	3.54	-0.22	-0.11	0.02	3.56	1.6010	722,132
2002	3.23	1.06	3.42	-0.21	-0.11	0.02	3.45	1.6562	747,023
2003	3.12	1.06	3.31	-0.20	-0.11	0.02	3.33	1.7113	771,893
2004	3.03	1.06	3.21	-0.19	-0.11	0.02	3.23	1.7667	796,846
2005	2.95	1.06	3.13	-0.18	-0.11	0.02	3.15	1.8223	821,921
2006	2.86	1.06	3.03	-0.17	-0.11	0.02	3.05	1.8778	846,993
2007	2.78	1.06	2.95	-0.16	-0.11	0.02	2.96	1.9335	872,101
2008	2.70	1.06	2.86	-0.15	-0.11	0.02	2.88	1.9892	897,204
2009	2.63	1.06	2.79	-0.14	-0.11	0.02	2.80	2.0449	922,355
2010	2.57	1.06	2.72	-0.13	-0.11	0.01	2.74	2.1009	947,613

SOURCE: (1) Studt Team, (2, 4, 5) CORPLAN

- (1) GDP growth rate in service sector in real terms in year I (%)
- (2) Output elasticity of consumption in service sector
- (3) Increase rate by GDP growth in year I (1)x(2) (%)
- (4) Tariff increase in real terms in year I (%)
- (5) Price elasticity of consumption
- (6) Increase rate by tariff increase in year I (4)x(5) (%)
- (7) Increase rate in year I (%)
- (8) Increase index in year I. (1.0000 in base year 1990)
- (9) Projected total commercial demand (M3/D) (8) x 451,047

TABLE 13.2.15 WSS COMMERCIAL CONSUMPTION PROJECTION

CITY/MUNICIPALITY	1990 ESTIMATED CONSUMPTION				1995				2000				2005				2010			
	TOTAL Q'TY (M3/DAY)	% IN SHARE	WSS IN SHARE (%)	PRIV. SHARE (%)	TOTAL Q'TY (M3/D)	WSS Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	WSS Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	WSS Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	WSS Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	WSS Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	
I. MCR	434,665	96.4	78.5	21.5	550,461	440,538	101,899	611,952	561,191	110,761	732,089	672,476	119,593	913,186	784,697	128,489				
1. Manila *	136,193	30.9	35.5	3.4	172,482	167,297	4,665	210,526	205,851	4,665	248,160	243,494	4,665	286,109	281,444	4,665				
2. Pasay City *	25,338	5.8	85.3	34.7	32,088	29,893	8,195	39,170	30,373	8,395	46,132	37,377	8,755	53,233	44,438	8,795				
3. Quezon City *	113,981	25.3	75.7	24.3	144,346	116,705	27,641	176,204	146,553	27,641	207,702	180,061	27,641	239,464	211,824	27,641				
4. Caloocan City *	15,008	3.3	75.6	24.4	19,107	15,433	3,674	23,324	19,850	3,474	27,493	23,820	3,674	31,588	28,024	3,564				
5. Las Pinas	4,299	1.0	14.4	85.5	5,444	788	4,656	5,646	959	4,687	7,833	1,131	5,703	9,031	1,301	7,728				
6. Marikil *	59,289	13.1	80.2	13.8	75,058	63,337	11,721	91,824	79,303	11,721	108,003	96,282	11,721	134,519	112,798	11,721				
7. Malabon *	5,224	1.2	51.4	38.6	6,818	4,600	2,016	8,076	6,060	2,016	9,519	7,504	2,016	10,975	8,959	2,016				
8. Mandaluyong *	13,338	3.0	81.0	16.0	18,891	14,765	2,128	20,670	18,491	2,128	24,305	22,177	2,128	28,022	25,894	2,128				
9. Marikina	5,230	1.2	73.5	25.5	6,687	4,914	1,773	8,163	5,939	2,164	9,823	7,011	2,811	11,934	8,153	3,781				
10. Muntinlupa	8,308	1.8	0.9	99.1	10,321	99	10,423	12,843	120	12,723	15,139	142	14,997	17,454	163	17,291				
11. Navotas *	2,655	0.6	76.6	23.4	3,363	2,742	621	4,105	3,484	621	4,839	4,218	621	5,478	4,958	521				
12. Parañaque	11,624	2.6	57.7	42.3	14,720	8,197	6,223	17,969	10,372	7,597	21,181	12,236	8,945	24,439	14,096	10,324				
13. Pasig	16,004	3.5	38.4	41.6	20,268	14,538	8,451	24,741	14,448	10,293	29,163	17,931	12,132	33,623	19,636	13,987				
14. Pateros	56	0.0	100.0	0.0	71	71	0	86	86	0	162	162	0	117	117	0				
15. San Juan *	8,289	1.8	88.8	1.2	10,510	10,412	97	12,829	12,732	97	15,122	15,025	97	17,435	17,338	97				
16. Taguig	4,016	0.9	91.0	91.0	5,096	437	4,659	6,208	558	5,650	7,318	658	8,437	798	7,639					
17. Valenzuela	5,705	1.3	40.0	60.0	7,224	2,890	4,335	8,819	3,328	5,291	10,385	4,158	6,237	11,985	4,794	5,191				
III. CAVITE	5,399	1.4	19.1	80.9	8,183	1,550	6,551	9,892	1,892	8,000	11,660	2,230	9,430	13,443	2,571	10,873				
1. Bacoor	971	0.2	27.6	72.4	1,230	340	890	1,502	415	1,087	1,770	489	1,281	2,041	584	1,457				
2. Cavite City	4,291	0.9	17.3	82.7	5,327	921	4,406	6,503	1,124	5,379	7,666	1,325	6,341	8,238	1,528	7,310				
3. Imus	709	0.2	91.1	90.9	898	82	816	1,036	100	936	1,232	118	1,174	1,490	136	1,354				
4. Kawit	122	0.0	100.0	0.0	155	155	0	189	189	0	222	222	0	256	256	0				
5. Noveleta	5	0.0	100.0	0.0	6	6	0	8	8	0	9	9	0	10	10	0				
6. Rosario	385	0.1	9.5	90.5	487	46	441	595	56	539	701	66	635	808	77	732				
III. RIZAL	9,983	2.2	16.5	83.5	15,668	5,109	10,569	20,385	7,496	12,889	25,513	10,320	15,193	31,370	13,854	17,517				
1. Angono	-	-	-	-	623	623	0	1,028	1,028	0	1,585	1,585	0	2,317	2,317	0				
2. Antipolo	3,367	0.7	17.9	82.1	4,264	765	3,499	5,205	934	4,271	6,136	1,101	5,035	7,074	1,269	5,805				
3. Baras	-	-	-	-	25	25	0	38	38	0	80	80	0	140	140	0				
4. Binangonan	-	-	-	-	1,402	1,402	0	2,180	2,180	0	3,184	3,184	0	4,421	4,421	0				
5. Calamba	3,582	0.8	12.4	87.6	4,587	569	4,018	5,600	695	4,905	6,601	819	5,782	7,610	944	6,667				
6. Cardona	-	-	-	-	98	98	0	126	126	0	183	183	0	219	219	0				
7. Jala-Jala	-	-	-	-	15	15	0	54	54	0	114	114	0	158	158	0				
8. Montalban	886	0.2	4.0	95.3	1,122	53	1,069	1,370	84	1,305	1,619	76	1,539	1,811	87	1,724				
9. Morong	-	-	-	-	191	191	0	251	251	0	334	334	0	489	489	0				
10. Pililla	-	-	-	-	141	141	0	232	232	0	432	432	0	613	613	0				
11. San Mateo	576	0.1	32.2	67.8	729	235	494	890	287	603	1,049	338	711	1,208	380	819				
12. Tanay	-	-	-	-	434	434	0	785	785	0	1,176	1,176	0	1,671	1,671	0				
13. Taytay	1,532	0.3	23.8	76.2	1,941	462	1,478	2,369	585	1,804	2,732	665	2,127	3,219	767	2,452				
14. Teresa	-	-	-	-	96	96	0	158	158	0	229	229	0	316	316	0				
TOTAL	451,047	100.0	76.3	23.7	574,232	455,291	118,941	702,129	570,478	131,651	829,242	685,026	144,216	958,009	801,121	156,888				

TABLE 13.2.16 INDUSTRIAL WATER DEMAND GROWTH PROJECTION

YEAR	IG(I) (1)	IOED(I) (2)	IR1(I) (3)	ITI(I) (4)	IPED(I) (5)	IR2(I) (6)	IR(I) (7)	II(I) (8)	DEMAND (9)
1990	8.61	0.78	6.72	-2.81	-0.11	0.31	7.02	1.0000	439,394
1991	4.23	0.78	3.30	-1.77	-0.11	0.19	3.49	1.0349	454,747
1992	5.62	0.78	4.38	-0.52	-0.11	0.06	4.44	1.0809	474,941
1993	5.10	0.78	3.98	-0.45	-0.11	0.05	4.03	1.1244	494,070
1994	4.83	0.78	3.77	0.84	-0.11	-0.09	3.68	1.1658	512,227
1995	4.79	0.78	3.74	-0.09	-0.11	0.01	3.75	1.2094	531,415
1996	4.60	0.78	3.59	-0.42	-0.11	0.05	3.63	1.2534	550,728
1997	4.13	0.78	3.22	-0.52	-0.11	0.06	3.28	1.2945	568,784
1998	4.12	0.78	3.21	-0.49	-0.11	0.05	3.27	1.3368	587,369
1999	3.94	0.78	3.07	-0.17	-0.11	0.02	3.09	1.3781	605,530
2000	3.79	0.78	2.96	-3.97	-0.11	0.44	3.39	1.4249	626,075
2001	3.67	0.78	2.86	-0.19	-0.11	0.02	2.88	1.4659	644,128
2002	3.53	0.78	2.75	-0.17	-0.11	0.02	2.77	1.5066	661,984
2003	3.39	0.78	2.64	-0.16	-0.11	0.02	2.66	1.5467	679,604
2004	3.29	0.78	2.57	-0.15	-0.11	0.02	2.58	1.5866	697,156
2005	3.19	0.78	2.49	-0.15	-0.11	0.02	2.50	1.6264	714,618
2006	3.09	0.78	2.41	-0.14	-0.11	0.02	2.43	1.6658	731,952
2007	3.00	0.78	2.34	-0.14	-0.11	0.02	2.36	1.7051	749,192
2008	2.91	0.78	2.27	-0.14	-0.11	0.02	2.29	1.7440	766,313
2009	2.83	0.78	2.21	-0.13	-0.11	0.01	2.22	1.7828	783,338
2010	2.75	0.78	2.15	-0.13	-0.11	0.01	2.16	1.8213	800,253

SOURCE: (1) Study Team, (2, 4, 5) CORPLAN

(1) GDP growth rate in industrial sector in real terms in year I (%)

(2) Output elasticity of consumption in industrial sector

(3) Increase rate by GDP growth in year I (1) * (2) (%)

(4) Tariff increase in real terms in year I (%)

(5) Price elasticity of consumption

(6) Increase rate by tariff increase in year I (4) * (5) (%)

(7) Increase rate in year I (%)

(8) Increase index in year I. (1.0000 in base year 1990)

(9) Projected total industrial demand (M3/D) (8) x 439,394

TABLE 13.2.17 NWSS INDUSTRIAL CONSUMPTION PROJECTION

CITY/MUNICIPALITY	1990 ESTIMATED CONSUMPTION						1995			2000			2005			2010		
	TOTAL QFTT (M3/DAY)	% IN TOTAL	NWSS SHARE (%)	PRIV. SHARE (%)	TOTAL QFTT (M3/D)	NWSS QFTT (M3/D)	PRIVATE QFTT (M3/D)	TOTAL QFTT (M3/D)	NWSS QFTT (M3/D)	PRIVATE QFTT (M3/D)	TOTAL QFTT (M3/D)	NWSS QFTT (M3/D)	PRIVATE QFTT (M3/D)	TOTAL QFTT (M3/D)	NWSS QFTT (M3/D)	PRIVATE QFTT (M3/D)	TOTAL QFTT (M3/D)	
																		QFTT (M3/D)
I. WSS	382,048	32.4	22.5	77.5	437,871	113,331	324,540	515,888	146,218	369,670	588,835	175,980	411,846	659,388	286,731	452,655		
1. Manila *	21,403	5.3	75.3	24.7	28,304	22,519	5,785	33,316	27,560	5,756	38,062	32,275	5,785	42,823	36,337	5,786		
2. Pasay City *	4,293	1.0	21.4	78.6	5,192	1,817	3,375	6,116	2,742	3,375	5,981	3,607	3,375	7,818	4,443	3,375		
3. Quezon City *	51,708	11.3	37.4	62.6	62,538	30,170	32,368	41,310	41,310	32,368	84,097	51,730	32,368	94,145	61,307	32,368		
4. Caloocan City *	13,923	3.2	65.4	33.5	16,839	12,175	4,665	19,839	15,174	4,665	25,644	17,980	4,665	25,358	20,533	4,665		
5. Las Pinas	21,115	4.8	0.1	99.3	25,527	189	25,338	30,086	222	29,863	34,341	254	34,087	38,456	284	38,171		
6. Marikina *	8,041	1.8	57.9	42.1	9,725	5,342	4,383	11,458	8,074	3,383	13,078	9,654	3,383	14,645	11,262	3,383		
7. Malabon *	20,537	4.7	29.1	70.9	24,838	10,273	14,565	29,263	14,698	14,565	33,401	18,836	14,565	37,404	22,839	14,565		
8. Mandaluyong *	13,151	3.0	59.3	40.7	15,308	10,553	4,755	18,739	13,386	5,353	21,399	16,036	5,353	23,952	18,539	5,353		
9. Marikina	2,239	1.9	17.1	82.9	9,965	1,701	8,264	11,739	2,004	9,735	13,400	2,287	11,113	15,005	2,561	12,444		
10. Muntinlupa	34,360	7.8	0.2	99.8	41,555	97	41,458	48,988	114	48,874	55,822	150	55,751	62,578	146	62,432		
11. Navotas *	3,762	0.9	51.8	48.2	4,550	2,811	1,739	5,360	3,621	1,739	5,138	4,378	1,739	6,852	5,112	1,739		
12. Parañaque	19,370	4.4	8.7	91.3	23,427	2,031	21,396	27,600	2,393	25,207	31,503	2,721	28,772	35,278	3,059	32,220		
13. Pasig	58,156	15.5	11.9	88.1	82,450	9,770	72,680	97,113	11,511	85,602	104,847	13,133	97,708	124,330	14,713	109,417		
14. Pateros	1,760	0.4	0.2	99.8	2,128	4	2,124	2,507	5	2,502	2,862	6	2,856	3,205	6	3,198		
15. San Juan *	1,259	0.3	95.3	4.7	1,522	1,463	59	1,794	1,735	59	2,047	1,988	59	2,293	2,234	59		
16. Taguig	41,208	9.4	0.0	100.0	49,838	11	49,827	58,715	13	58,702	67,019	15	67,004	75,033	17	75,033		
17. Valenzuela	27,763	6.3	4.2	95.8	31,577	1,405	30,171	39,568	1,656	37,912	45,153	1,851	43,262	50,564	2,117	48,446		
III. CAVITE	7,037	1.6	16.3	83.7	8,511	1,389	7,122	10,027	1,637	8,391	11,445	1,868	9,577	12,817	2,092	10,725		
1. Bacoor	70	0.0	100.0	0.0	85	85	0	100	100	0	114	114	0	128	128	0		
2. Cavite City	238	0.1	100.0	0.0	288	288	0	339	339	0	387	387	0	433	433	0		
3. Imus	538	0.1	1.4	98.7	650	9	641	766	10	756	874	12	863	979	13	966		
4. Imbit	574	0.1	100.0	0.0	694	694	0	818	818	0	934	934	0	1,045	1,045	0		
5. Mariketa	88	0.0	100.0	0.0	107	107	0	126	126	0	143	143	0	161	161	0		
6. Rosario	5,530	1.3	3.1	96.9	6,688	207	6,481	7,819	244	7,575	8,933	278	8,715	10,071	312	9,759		
III. RIZAL	70,308	16.0	2.8	97.2	90,479	3,347	87,131	108,913	5,440	103,472	127,584	9,349	118,375	146,764	14,834	131,930		
1. Angono	-	-	-	-	1,121	196	925	1,850	555	1,295	2,854	1,284	1,570	4,170	2,502	1,668		
2. Antipolo	13,798	3.1	12.9	87.1	16,688	2,115	14,573	19,661	2,527	17,134	22,441	2,884	19,557	25,130	3,230	21,901		
3. Baras	-	-	-	-	46	8	38	68	20	48	144	65	79	252	151	101		
4. Binangonan	-	-	-	-	2,523	442	2,081	3,924	1,177	2,747	5,723	2,578	3,151	7,988	4,781	3,207		
5. Calamba	36,221	8.2	0.1	99.9	43,807	58	43,749	51,610	68	51,541	59,909	78	59,831	65,362	88	65,880		
6. Cardona	-	-	-	-	177	31	146	227	68	159	303	187	395	237	158			
7. Jala-Jala	-	-	-	-	27	5	22	37	29	8	204	92	112	355	213	142		
8. Montalban	2,958	0.7	0.6	99.4	3,528	21	3,507	4,215	24	4,191	4,811	28	4,784	5,388	31	5,357		
9. Morong	-	-	-	-	344	60	284	451	135	316	636	286	350	881	529	352		
10. Pililla	-	-	-	-	253	44	209	417	126	292	778	350	428	1,104	662	442		
11. San Mateo	658	0.1	8.3	91.7	786	66	720	938	78	860	1,071	89	982	1,199	100	1,099		
12. Tanay	-	-	-	-	782	137	645	1,413	424	989	2,118	953	1,165	3,019	1,811	1,208		
13. Taytay	16,672	3.8	0.5	99.5	20,164	105	20,059	23,756	124	23,632	27,116	141	26,975	30,365	158	30,207		
14. Teresa	-	-	-	-	173	30	143	286	86	200	411	185	226	570	342	228		
TOTAL	439,394	100.0	19.2	80.8	535,861	118,068	418,793	644,808	153,295	491,518	724,795	197,997	519,798	818,987	223,657	595,310		

* Future demand increase was assumed to be shouldered by NWSS only.

TABLE 13.2.18 NON-REVENUE WATER PROJECTED BY CORPLAN

YEAR	UNACCOUNTED-FOR WATER (%)	LOSSES (%)	UNBILLED CONSUMP. (%)	NRW (%)
1986	10.00	39.38	26.26	65.64
1987	4.50	36.59	24.20	60.99
1988	2.19	35.46	23.64	59.10
1989	0.70	34.61	23.08	57.69
1990	0.00	34.61	23.08	57.69
1991	0.00	33.00	22.00	55.00
1992	0.00	31.20	20.80	52.00
1993	0.00	30.00	20.00	50.00
1994	0.00	27.60	18.40	46.00
1995	0.00	25.20	16.80	42.00
1996	0.00	22.80	15.20	38.00
1997	0.00	21.00	14.00	35.00
1998	0.00	21.00	14.00	35.00
2006	0.00	21.00	14.00	35.00

Source: CORPLAN

TABLE 13-2.1P. SUMMARY OF PROJECTED WATER DEMAND IN 1995 (CASE 1)

CITY/ MUNICIPALITY	RWSS SERVED WATER DEMAND (M ³ /D)				PRIVATELY SERVED WATER DEMAND (M ³ /D)				TOTAL WATER DEMAND (M ³ /D)				RWSS SERVICE RATIO (%)								
	DOMESTIC		INDUSTRIAL		DOMESTIC		INDUSTRIAL		DOMESTIC		INDUSTRIAL		DOMESTIC		INDUSTRIAL		TOTAL				
	LOSS	TOTAL	LOSS	TOTAL	LOSS	TOTAL	LOSS	TOTAL	LOSS	TOTAL	LOSS	TOTAL	LOSS	TOTAL	LOSS	TOTAL	D	C	I	T	
I. NEG	1,126,200	448,642	115,431	568,770	25.2	12,257,022	315,907	101,923	324,540	742,276	1,445,197	550,481	437,871	568,770	12,999,288	76.1	81.5	25.9	75.3		
1. Manila	252,309	167,397	22,519	149,150	25.2	531,855	19,345	4,655	5,766	29,796	271,745	172,452	28,304	149,150	521,661	92.3	97.3	79.6	95.2		
2. Pasay City	43,524	23,253	1,817	23,123	25.2	91,756	8,795	3,375	3,375	22,731	54,086	32,088	5,152	23,123	114,487	80.5	72.6	35.0	30.1		
3. Quezon City	230,412	115,705	30,170	140,603	25.2	557,959	33,248	27,811	32,368	83,234	293,717	144,346	62,538	140,603	541,204	92.1	80.9	48.2	87.0		
4. Calookan City	81,416	15,433	12,178	36,750	25.2	145,784	39,838	3,674	4,655	48,116	121,254	19,107	16,839	36,750	193,930	67.1	80.8	72.3	75.2		
5. Las Pinas	29,775	786	189	10,360	25.2	41,103	37,007	4,558	25,348	5,444	66,782	5,444	25,597	10,360	106,122	44.6	14.4	0.7	38.0		
6. Makati	80,974	63,537	6,442	50,755	25.2	201,408	10,477	11,721	3,383	25,581	91,451	75,058	9,725	50,755	226,989	88.5	84.4	65.2	83.7		
7. Malabon	31,394	4,600	10,273	15,384	25.2	51,841	14,893	2,016	14,655	31,270	46,074	6,616	15,384	15,384	39,111	68.1	89.5	41.4	86.4		
8. Mandaluyong	35,610	14,763	10,553	20,863	25.2	82,789	3,248	2,128	5,353	10,739	39,958	16,891	15,906	20,863	34,518	91.9	87.4	66.3	88.5		
9. Marikina	52,397	4,914	1,701	19,881	25.2	78,894	4,343	1,173	8,264	14,380	56,741	6,887	2,955	19,881	93,274	92.3	73.5	17.1	84.8		
10. Muntinlupa	20,636	99	97	7,018	25.2	27,850	31,571	10,423	41,459	83,463	52,208	10,521	7,018	111,303	39.5	0.9	0.2	25.0			
11. Navotas	24,671	2,742	2,811	10,184	25.2	40,414	4,120	621	1,739	6,480	28,797	3,463	4,350	10,184	46,894	85.7	61.5	61.8	95.2		
12. Paranaque	62,984	4,491	2,031	24,765	25.2	98,278	42,310	6,223	21,396	59,929	105,394	14,720	23,427	24,765	168,207	59.8	57.7	8.7	58.4		
13. Pasig	62,935	11,836	9,770	28,482	25.2	113,023	9,182	8,431	72,659	90,273	72,117	20,268	82,430	28,482	203,296	87.3	58.4	11.9	55.6		
14. Patros	4,252	71	4	1,458	25.2	5,755	1,231	97	59	1,897	31,141	10,510	1,522	13,909	57,082	94.4	99.1	96.1	98.1		
15. San Juan	29,410	10,412	1,463	13,909	25.2	55,185	1,201	37	59	1,897	31,141	10,510	1,522	13,909	57,082	94.4	99.1	96.1	98.1		
16. Taguig	9,793	457	13	3,457	25.2	13,718	36,207	4,829	49,826	92,652	49,200	5,086	3,457	106,380	20.4	9.0	0.0	12.9			
17. Valenzuela	32,651	2,890	1,408	12,447	25.2	49,394	20,755	4,335	32,171	57,281	53,406	7,224	31,577	12,447	106,564	61.1	40.0	4.2	46.3		
II. CAVITE	44,332	1,550	1,383	20,259	30.0	87,529	49,094	6,554	7,122	52,769	93,425	8,103	8,511	20,259	130,289	47.5	19.1	16.3	51.8		
1. Bacoor	15,408	340	85	6,785	30.0	22,617	19,918	890	0	19,808	34,325	1,230	85	6,785	42,425	44.9	27.6	100.0	53.3		
2. Cavite City	10,954	921	283	5,213	30.0	17,375	6,511	4,406	0	10,917	17,465	5,327	283	5,213	28,293	62.7	17.3	100.0	61.4		
3. Iba	7,791	82	9	3,374	30.0	11,245	11,023	616	641	12,430	18,804	898	650	3,374	23,725	41.4	9.1	1.3	47.4		
4. Kawit	6,802	155	694	3,279	30.0	10,923	3,041	0	0	3,041	9,843	135	634	3,279	13,911	69.1	100.0	100.0	78.2		
5. Noveleta	1,022	6	107	466	30.0	1,621	3,059	0	0	3,059	4,030	6	107	466	4,660	25.0	100.0	100.0	34.5		
6. Rosario	2,365	48	207	1,123	30.0	3,742	6,542	441	6,481	13,464	8,908	487	6,688	1,123	17,205	26.6	9.5	3.1	21.7		
III. RIZAL	47,535	5,109	3,347	17,875	24.2	73,868	71,104	10,559	87,131	168,794	118,640	15,688	90,479	17,875	242,661	40.1	32.6	3.7	30.4		
1. Angono	3,115	623	196	894	15.0	4,628	1,156	0	925	2,081	4,271	623	1,121	894	6,709	72.9	100.0	17.5	69.0		
2. Antipolo	11,090	765	2,145	5,000	30.0	19,999	19,774	3,499	14,543	37,816	30,864	4,264	15,688	6,000	57,815	35.9	17.9	12.9	34.6		
3. Baras	127	25	8	28	15.0	188	558	0	38	596	665	25	46	28	784	18.5	100.0	17.4	23.5		
4. Binangonan	7,408	1,402	442	1,562	15.0	10,414	3,193	0	2,081	5,190	10,117	1,402	2,523	1,562	15,604	69.3	100.0	17.5	66.7		
5. Cainta	6,273	569	58	2,325	25.2	9,225	18,589	4,018	43,748	65,356	24,862	4,587	43,807	2,325	75,581	25.2	12.4	0.1	12.2		
6. Cardona	490	98	31	109	15.0	728	968	0	145	1,112	1,456	98	177	109	1,840	33.7	100.0	17.5	39.5		
7. Jala-Jala	75	15	5	16	15.0	109	542	15	22	564	615	15	27	16	673	11.9	100.0	18.5	16.2		
8. Montalban	3,903	53	21	1,704	30.0	5,680	3,232	1,069	3,557	7,918	7,195	1,122	3,578	1,704	13,599	54.2	4.7	0.6	41.3		
9. Noronog	335	191	60	213	15.0	1,419	861	0	284	1,145	1,816	191	344	213	2,564	52.6	100.0	17.4	55.3		
10. Pili	703	141	44	157	15.0	1,045	993	0	159	1,202	1,656	141	253	157	2,247	41.5	100.0	17.4	46.3		
11. San Mateo	4,352	235	66	1,994	30.0	6,648	6,293	494	739	7,502	10,330	729	796	1,994	14,150	46.9	32.2	8.3	47.0		
12. Tanay	2,170	434	137	484	15.0	3,225	1,656	0	845	2,301	3,826	434	782	484	5,526	56.7	100.0	17.5	58.4		
13. Taytay	6,198	462	105	2,431	25.2	9,846	12,754	1,478	20,859	34,291	19,552	1,941	20,164	2,431	44,138	34.8	23.8	0.5	22.3		
14. Teresa	480	96	30	107	15.0	713	575	0	142	718	1,055	96	113	107	1,431	45.5	100.0	17.3	49.8		
TOTAL	1,218,158	455,291	118,068	606,903	25.3	12,398,419	425,105	118,941	418,793	973,839	1,654,362	574,232	536,861	606,903	13,972,258	73.6	99.3	22.0	71.1		

TABLE 13.2.2.20 SUMMARY OF PROJECTED WATER DEMAND IN 2000 (CASE 1)

CITY/ MUNICIPALITY	MWS SERVED WATER DEMAND (M ³ /D)				PRIVATELY SERVED WATER DEMAND (M ³ /D)				TOTAL WATER DEMAND (M ³ /D)				MWS SERVICE RATIO (%)								
	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	LOSS %	TOTAL	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL	D	C	I	T	
11. MGE	1,420,202	561,191	145,218	565,567	21.0	12,693,178	211,812	110,761	369,650	692,223	1,639,014	671,952	515,868	555,557	3,385,491	87.0	83.5	86.3	79.6		
11. Manila	287,582	205,861	27,150	133,205	21.0	634,308	17,415	4,665	5,786	27,866	285,097	210,526	33,346	133,205	682,174	93.3	97.8	82.5	95.0		
12. Pasay City	52,747	30,375	2,742	22,824	21.0	188,638	7,448	8,795	3,375	19,618	69,195	39,170	6,116	22,824	128,306	87.6	77.5	44.8	84.7		
13. Quezon City	307,254	148,563	41,310	132,148	21.0	629,235	21,482	27,641	32,368	81,471	328,117	176,204	73,577	132,148	710,746	91.5	84.3	55.1	88.5		
14. Caloocan City	130,835	19,659	15,174	38,717	21.0	184,366	30,133	3,874	4,655	38,463	149,948	23,324	19,839	38,717	222,828	78.6	84.2	75.5	82.7		
15. Las Piñas	68,930	939	222	18,555	21.0	88,756	23,463	5,886	29,863	59,013	92,383	6,646	30,096	18,635	147,749	74.6	14.4	0.7	60.1		
16. Marikina	92,691	79,903	8,074	48,026	21.0	228,595	5,740	11,721	3,383	20,844	98,432	91,824	11,458	48,026	249,539	94.2	87.2	70.5	91.8		
17. Malabon	40,574	5,060	14,698	16,309	21.0	77,655	10,723	2,018	14,565	27,304	51,957	8,076	29,263	16,309	104,933	79.1	75.0	50.2	74.0		
18. Mandaluyong	41,038	18,491	13,388	19,333	21.0	92,299	2,914	2,128	5,353	10,395	43,952	20,620	18,739	19,333	102,693	93.4	89.7	71.4	89.9		
19. Marikina	61,462	5,939	2,004	18,465	21.0	87,929	4,194	2,159	9,736	16,094	65,656	8,163	11,739	18,465	184,923	93.6	73.5	11.1	44.5		
20. Muntinlupa	48,677	120	114	13,002	21.0	61,913	16,821	12,723	48,844	78,267	65,458	12,843	48,958	13,002	140,301	74.3	0.9	0.2	64.1		
21. Navotas	29,978	3,184	3,621	9,858	21.0	46,941	2,401	621	1,739	4,761	32,379	4,105	5,360	9,858	51,702	92.6	84.9	87.6	90.8		
22. Parañaque	92,068	10,372	2,393	27,867	21.0	132,700	23,236	1,997	25,207	56,100	115,364	17,569	27,867	188,800	79.8	57.7	8.7	76.3			
23. Pasig	79,047	14,448	11,511	27,913	21.0	132,920	5,535	10,292	85,802	101,430	84,563	24,741	97,113	27,913	234,343	93.5	58.4	11.9	56.7		
24. Pateros	7,638	86	5	2,055	21.0	9,783	3,311	2,902	5,813	10,949	86	2,507	2,055	15,597	69.8	100.0	0.2	62.7			
25. San Juan	30,409	12,733	1,735	11,829	21.0	56,804	97	59	1,868	32,441	12,829	1,794	11,999	58,693	94.5	99.2	96.7	96.8			
26. Taguig	39,371	568	13	10,618	21.0	50,560	17,185	5,650	58,702	81,537	56,556	6,208	58,715	132,097	69.5	9.0	0.0	38.2			
27. Valenzuela	49,829	3,528	1,656	14,621	21.0	59,626	16,048	5,291	37,902	61,241	67,868	8,819	39,538	14,621	130,867	73.4	40.0	4.2	53.2		
28. CAVITE	78,769	1,892	1,637	35,270	30.0	117,566	39,641	8,000	8,391	49,032	111,409	9,892	10,027	35,270	166,598	10.7	19.1	16.3	70.6		
29. Bacoor	34,252	415	100	14,900	30.0	49,666	8,628	1,067	0	9,713	42,978	1,502	160	14,900	59,379	79.9	27.6	100.0	83.6		
30. Cavite City	14,987	1,124	339	7,650	30.0	23,500	4,679	5,379	0	9,649	19,256	8,503	339	7,650	33,148	77.8	27.3	100.0	70.9		
31. Iloilo	12,683	100	10	5,483	30.0	18,271	9,699	996	756	11,351	22,233	1,036	786	5,483	28,628	56.9	9.1	1.3	61.7		
32. Kavit	9,723	189	818	4,598	30.0	15,328	1,955	0	0	1,855	11,578	189	818	4,598	17,183	84.0	100.0	100.0	89.2		
33. Mariketa	3,057	8	126	1,367	30.0	4,558	1,702	0	0	1,702	4,759	8	126	1,367	6,260	64.2	100.0	100.0	72.8		
34. Rosario	4,066	56	244	1,871	30.0	6,238	6,590	538	7,635	14,763	10,656	595	7,879	1,871	21,001	38.2	9.5	3.1	29.7		
35. RIZAL	86,991	7,396	5,440	31,914	22.5	141,742	61,900	12,889	103,472	178,262	158,891	20,285	108,910	31,914	326,004	61.0	85.5	5.0	44.3		
36. Angono	5,139	1,028	555	1,186	15.0	7,907	1,124	0	1,255	2,419	6,262	1,028	1,850	1,186	10,328	82.1	100.0	30.0	76.6		
37. Antipolo	17,699	934	2,621	9,054	30.0	30,215	23,877	4,271	17,134	45,283	41,567	5,205	19,661	9,054	75,498	42.6	17.9	12.9	40.0		
38. Baras	189	38	20	44	15.0	331	610	0	48	658	799	38	68	44	949	23.7	100.0	29.3	30.6		
39. Binangonan	10,902	2,180	1,177	2,516	15.0	16,775	2,873	0	2,747	5,620	13,175	2,160	3,924	2,516	22,595	79.1	100.0	30.0	74.9		
40. Calamba	21,763	695	68	6,765	21.0	32,409	10,715	4,905	51,541	87,162	35,476	5,600	51,610	6,765	99,471	69.8	12.4	0.1	32.5		
41. Cardona	631	126	68	146	15.0	971	1,095	0	153	1,184	1,636	126	227	146	2,135	38.8	100.0	30.0	45.5		
42. Jala-Jala	269	54	29	62	15.0	414	542	62	58	610	811	54	97	62	1,024	33.2	100.0	29.9	40.4		
43. Nostiblan	5,944	84	24	2,437	30.0	8,189	3,070	4,191	8,568	8,714	1,370	4,215	2,437	16,755	64.8	4.7	0.6	48.9			
44. Noronog	1,253	251	135	289	15.0	1,928	900	0	316	1,216	281	451	289	3,144	58.2	100.0	29.3	61.3			
45. Pili	1,161	232	125	268	15.0	1,010	0	292	1,302	2,171	232	417	268	3,033	53.5	100.0	30.0	57.8			
46. San Mateo	6,893	287	78	3,106	30.0	10,354	6,381	803	860	7,844	13,264	390	938	3,106	18,198	51.9	32.2	8.3	56.9		
47. Tasey	3,924	785	424	966	15.0	6,039	1,570	989	2,559	5,494	785	1,413	905	8,598	71.4	100.0	30.0	70.2			
48. Taytay	17,751	565	124	4,902	21.0	23,445	7,683	1,004	23,632	33,120	25,437	2,365	4,902	56,464	65.8	23.8	0.5	41.3			
49. Teresa	792	159	86	183	15.0	1,219	339	0	290	739	1,331	158	286	183	1,958	99.5	100.0	30.1	62.3		
TOTAL	11,595,962	570,478	153,295	632,752	21.4	2,952,486	306,353	131,651	481,613	919,517	1,902,314	702,129	634,886	632,752	4,872,003	83.9	81.2	24.1	76.3		

TABLE 3.2.21. SUMMARY OF PROJECTED WATER DEMAND IN 2005 (CASE 1)

CITY/ MUNICIPALITY	MWS SERVED WATER DEMAND (M3/D)			PRIVATELY SERVED WATER DEMAND (M3/D)			TOTAL WATER DEMAND (M3/D)			MWS SERVICE RATIO (%)							
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	D	C	E	T				
11. WCG	11,634,341	672,418	176,330	180,476	119,493	411,846	1,814,818	732,069	588,865	860,250	90.1	84.9	36.1	81.5			
11. Manila	277,935	243,494	32,276	17,021	4,665	5,786	284,916	248,160	38,062	147,193	728,331	94.2	88.1	84.8	86.2		
12. Pasay City	61,177	37,177	27,157	4,538	8,795	3,375	65,715	46,172	6,981	27,157	145,025	93.1	81.0	51.9	88.6		
13. Quezon City	338,811	180,061	51,730	21,866	27,641	32,368	380,477	207,702	84,097	151,826	803,902	93.9	86.7	61.5	89.8		
14. Caloocan City	134,851	23,820	17,380	25,631	3,674	4,665	31,970	160,282	27,494	22,644	267,324	84.0	86.5	79.4	86.8		
15. Las Pinas	103,932	1,133	254	18,894	6,783	34,087	59,564	7,833	34,341	27,995	192,995	84.6	14.4	0.2	69.1		
16. Makati	38,362	96,282	54,318	5,816	11,721	3,353	20,920	104,178	108,003	54,318	279,976	94.4	88.1	74.1	92.5		
17. Kalabon	47,268	7,504	18,836	8,770	2,016	14,565	33,401	9,519	33,401	19,565	118,510	84.3	78.8	56.4	78.6		
18. Mandaluyog	44,675	22,177	16,836	2,913	2,128	5,353	10,394	47,587	24,305	21,389	22,034	115,315	93.9	91.2	75.0	91.0	
19. Marikina	69,793	7,071	2,287	4,426	2,451	11,113	18,039	74,219	9,822	31,400	21,040	118,281	94.0	73.5	17.1	84.7	
20. Muntinlupa	67,217	142	130	12,477	14,697	55,751	83,225	79,694	15,139	55,882	17,940	168,555	84.3	0.9	0.2	50.7	
21. Navotas	33,300	4,218	4,379	2,377	1,739	4,737	35,677	4,839	6,138	11,137	57,771	93.3	87.2	71.5	91.8		
22. Paranaque	104,101	12,226	2,731	18,993	8,955	22,772	122,694	21,181	31,648	207,026	94.8	87.7	8.7	72.8			
23. Pasig	96,921	17,031	13,139	5,877	12,132	97,768	116,717	96,798	110,847	32,189	269,997	93.9	88.4	11.9	57.0		
24. Pateros	9,815	102	6	2,489	0	2,866	5,346	12,304	102	2,862	2,838	17,906	100.0	0.2	0.2	70.1	
25. San Juan	31,068	15,025	1,888	1,731	97	59	1,888	32,818	15,122	2,047	16,788	62,773	94.7	99.4	97.1	97.0	
26. Taguig	51,771	658	15	13,245	6,650	67,004	86,909	85,015	7,318	67,019	15,941	153,293	79.6	9.0	0.0	43.3	
27. Valenzuela	89,719	4,358	1,891	13,812	6,287	43,262	63,311	83,551	10,395	49,153	20,141	159,220	93.5	40.0	4.2	60.2	
III. CAVITE	104,412	2,230	1,868	25,881	9,430	9,577	44,868	130,233	11,560	11,445	35,170	189,548	80.1	19.1	16.3	76.3	
1. Bacoor	44,303	489	114	7,858	1,281	0	9,140	52,161	1,770	114	14,968	69,014	84.9	27.6	100.0	86.8	
2. Cavite City	19,634	1,325	387	1,440	6,341	0	7,781	21,074	2,566	387	7,115	36,242	93.2	17.3	100.0	78.5	
3. Imus	17,516	118	12	8,309	1,174	863	10,348	23,277	8,309	1,292	874	5,882	33,873	87.8	9.1	1.3	69.5
4. Kawit	12,721	222	334	603	0	0	603	13,323	222	334	4,626	19,195	95.5	100.0	100.0	95.8	
5. Noveleta	4,154	9	143	1,284	0	0	1,284	5,439	9	143	1,436	7,027	76.4	100.0	100.0	81.7	
6. Rosario	6,065	86	278	6,366	635	8,715	16,715	12,461	701	8,993	2,143	24,288	48.9	9.5	3.1	35.3	
III. RIZAL	139,950	10,320	9,149	60,142	15,193	118,375	193,711	200,092	25,513	127,524	41,745	394,275	69.9	40.4	7.2	50.9	
1. Angono	7,927	1,535	1,284	1,022	0	1,570	2,592	8,949	1,585	2,454	1,905	15,293	88.6	100.0	45.0	81.1	
2. Antipolo	25,514	1,101	2,084	26,583	5,035	19,557	51,175	52,097	5,136	22,441	9,933	90,506	49.0	17.9	12.9	42.5	
3. Baras	401	80	55	629	79	708	1,039	80	144	96	1,350	39.9	100.0	45.1	47.8		
4. Binangonan	15,915	3,183	2,578	2,520	0	3,151	5,671	18,432	3,183	5,729	3,625	31,172	85.3	100.0	45.0	81.8	
5. Calamba	35,617	819	78	9,014	5,782	58,831	73,627	44,832	6,501	59,309	9,766	119,848	79.8	12.4	0.1	38.6	
6. Carmona	811	168	135	1,021	0	167	1,388	1,368	368	303	202	2,535	45.2	100.0	44.9	53.1	
7. Jala-Jala	568	114	32	526	0	112	638	1,094	114	204	137	1,649	51.9	100.0	45.1	58.8	
8. Marikina	1,538	76	28	2,614	1,539	4,784	8,938	10,152	1,614	4,911	2,547	19,124	74.3	4.7	0.6	53.3	
9. Morong	1,768	354	286	940	0	350	1,290	2,708	354	425	4,123	65.3	100.0	45.0	83.7		
10. Plaridel	2,161	432	350	968	0	428	1,356	3,089	428	778	519	4,818	70.0	100.0	45.0	71.9	
11. San Mateo	10,166	338	89	6,141	711	982	7,833	16,307	1,049	1,071	3,531	21,958	62.3	32.2	8.3	64.3	
12. Tanay	5,832	1,176	414	1,185	0	1,185	2,862	7,379	1,185	2,118	1,414	12,087	79.7	100.0	45.0	78.0	
13. Taytay	24,509	665	141	6,203	2,127	26,975	35,304	30,712	2,792	27,116	6,229	67,349	79.8	23.8	0.5	47.6	
14. Ferrel	1,143	229	185	594	0	226	730	1,547	229	411	275	2,562	69.4	100.0	45.0	71.5	
TOTAL	1,878,704	685,926	187,997	365,479	144,216	539,798	950,493	2,145,183	829,242	727,795	137,565	14,439,785	87.6	82.6	25.8	78.6	

TABLE 13-2-22 SUMMARY OF PROJECTED WATER DEMAND IN 2010 (CASE 1)

CITY/ MUNICIPALITY	WSS SERVED WATER DEMAND (M3/D)				PRIVATELY SERVED WATER DEMAND (M3/D)				TOTAL WATER DEMAND (M3/D)				WSS SERVICE RATIO (%)				
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	D	C	I	T	
I. NCR	1,814,246	784,657	206,731	2,805,634	172,531	128,438	452,655	753,624	1,986,777	913,198	659,385	745,812	3,359,970	91.3	85.9	91.4	82.5
1. Manila	284,993	281,444	35,837	598,274	16,908	4,665	5,786	27,359	301,901	286,199	42,623	630,723	94.4	92.4	86.4	86.5	
2. Pasay City	55,930	44,438	4,410	104,778	4,587	8,795	3,278	16,726	70,560	55,233	7,833	133,626	91.3	83.5	56.8	83.7	
3. Quezon City	365,702	211,824	61,807	639,333	22,564	21,641	3,358	47,563	385,356	239,454	34,175	658,985	94.2	83.5	55.6	90.7	
4. Caloocan City	159,456	23,024	20,693	203,173	19,631	3,674	4,665	27,970	179,977	31,698	25,358	237,073	89.0	88.4	81.6	90.4	
5. Las Piñas	133,351	1,303	284	135,338	23,990	1,728	38,171	69,889	157,351	9,031	38,455	204,711	81.8	14.4	0.7	71.0	
6. Marikina	102,758	112,798	11,262	226,818	5,932	11,721	3,383	21,036	108,700	124,519	14,645	247,864	94.5	90.6	76.9	93.2	
7. Malabon	53,787	8,959	22,839	85,585	6,338	2,016	14,665	22,979	60,185	10,375	37,404	131,314	89.4	81.6	81.1	82.5	
8. Yambouyang	47,748	25,894	18,589	92,231	2,975	2,328	5,353	10,456	50,723	28,822	23,952	102,498	94.1	92.4	77.7	91.8	
9. Marikina	77,453	8,153	2,561	88,167	4,726	2,941	12,444	20,112	82,179	11,094	15,005	113,278	94.2	73.5	17.1	84.7	
10. Montinlupa	79,750	163	146	80,059	14,532	17,291	62,432	94,265	91,292	17,454	62,578	175,320	84.6	0.9	0.2	51.8	
11. Navotas	35,199	4,953	5,112	45,264	2,427	621	1,739	4,787	38,826	5,878	6,832	45,536	93.7	88.9	74.6	92.4	
12. Parañaque	107,742	14,056	3,059	124,857	19,178	10,324	32,220	61,722	125,920	24,420	35,278	185,618	84.9	57.7	8.7	71.9	
13. Parig	102,053	19,636	14,713	136,402	6,322	13,987	108,417	128,726	108,375	33,623	124,130	362,229	94.2	58.4	11.9	57.1	
14. Pateros	12,158	117	6	12,281	1,401	3,198	4,680	9,279	11,778	117	3,205	20,166	89.7	100.0	0.2	77.2	
15. San Juan	31,298	17,338	2,234	50,870	1,724	97	59	1,880	33,022	17,435	2,293	52,750	94.8	99.4	97.4	97.2	
16. Taguig	65,410	758	17	66,185	7,704	7,679	75,033	90,415	73,114	8,437	75,060	174,195	89.5	9.0	0.0	48.1	
17. Valenzuela	88,373	4,794	2,117	95,284	11,484	7,191	48,446	67,101	99,837	11,385	50,564	181,714	88.5	40.0	4.2	64.3	
III. CALTES	129,167	2,571	2,082	133,820	20,120	10,873	10,725	41,718	149,287	13,443	12,817	44,510	220,157	86.5	19.1	16.3	81.1
1. Bacoor	52,721	564	128	53,413	9,322	1,477	0	10,799	62,043	2,041	128	17,804	82,015	85.0	27.5	100.0	86.8
2. Cavite City	22,414	1,523	433	24,370	0	7,310	0	7,310	22,414	8,838	433	1,105	33,810	100.0	17.3	100.0	81.6
3. Iba	24,896	136	13	25,045	4,438	1,354	866	6,818	23,385	1,490	979	8,345	40,199	84.7	9.1	1.3	83.0
4. Kawit	15,032	266	1,045	16,343	0	0	0	0	15,032	266	1,045	5,444	21,778	100.0	100.0	100.0	100.0
5. Novleta	5,295	10	161	5,466	816	0	0	816	5,295	0	161	1,822	8,105	86.6	100.0	100.0	89.9
6. Rosario	8,818	77	312	9,207	5,181	732	9,759	15,975	14,302	806	10,071	5,069	28,250	61.7	9.5	3.1	43.5
III. RIZAL	192,815	13,884	14,834	221,533	53,161	17,317	131,330	202,808	245,276	31,370	1,676	56,600	480,780	78.4	44.2	10.1	57.9
1. Angono	11,583	2,317	2,502	16,402	848	0	1,668	2,516	12,431	2,317	4,170	2,894	21,812	93.2	100.0	60.0	88.5
2. Antipolo	35,548	1,259	3,230	40,037	27,675	5,905	21,301	55,380	63,628	7,074	25,130	13,492	139,309	56.5	17.9	12.9	49.3
3. Baras	699	140	151	990	630	0	101	731	1,329	140	252	175	1,896	52.6	100.0	53.9	61.4
4. Binangonan	22,135	4,427	4,781	31,343	2,063	0	3,187	5,250	24,198	4,427	7,968	5,531	42,124	91.5	100.0	60.0	87.5
5. Calatagan	48,671	944	88	49,703	5,580	6,667	65,680	78,127	54,251	7,610	65,968	13,212	141,041	89.7	12.4	0.1	44.6
6. Cardona	1,095	219	237	1,551	1,020	0	153	1,173	1,478	198	355	234	3,003	51.4	100.0	60.0	60.8
7. Jala-Jala	983	193	213	1,389	490	0	142	632	1,478	198	355	247	2,278	56.8	100.0	60.0	72.3
8. Mabalabon	9,288	87	31	9,386	2,187	1,774	5,357	9,318	11,475	1,661	5,138	3,135	21,860	80.9	4.7	0.6	57.4
9. Marikina	2,447	489	529	3,465	968	0	352	1,318	3,413	489	381	611	5,194	71.7	100.0	60.0	75.6
10. Pililla	14,475	330	100	14,905	5,274	819	1,098	7,193	19,750	1,098	1,104	766	6,432	77.7	100.0	60.0	79.4
11. San Mateo	8,385	1,677	1,811	11,873	1,366	0	1,208	2,574	9,151	1,677	3,019	2,095	15,542	86.0	100.0	60.0	84.4
12. Tanay	32,453	767	158	33,378	3,721	2,452	30,207	36,380	36,174	3,219	30,365	6,873	78,530	89.7	23.8	0.5	53.7
13. Taytay	1,581	316	349	2,246	458	0	228	686	2,039	316	570	395	3,329	77.5	100.0	60.0	79.3
TOTAL	4,136,228	891,121	223,657	5,251,006	245,812	155,888	595,310	998,010	2,489,040	958,809	818,987	847,102	4,354,939	89.7	83.6	21.3	80.1

TABLE 13.2.23 SUMMARY OF PROJECTED WATER DEMAND IN 1995 (CASE 2)

CITY/MUNICIPALITY	RWSS SERVED WATER DEMAND (M ³ /D)				PRIVATELY SERVED WATER DEMAND (M ³ /D)				TOTAL WATER DEMAND (M ³ /D)				RWSS SERVICE RATIO (%)				
	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL	D	C	I	T
I. BOR	1,106,290	448,632	113,331	723,537	316,987	101,824	324,540	742,216	5,449,197	550,461	437,871	773,537	13,154,065	78.1	81.5	25.9	76.5
1. Manila	252,389	187,797	22,519	189,735	19,345	4,665	5,786	29,796	271,745	172,462	28,304	189,745	662,246	92.9	97.3	79.6	95.5
2. Pasay City	3,624	24,293	1,817	29,414	10,561	8,785	3,375	22,731	54,085	32,088	5,192	29,414	120,779	80.5	72.5	85.0	81.2
3. Quezon City	270,472	116,705	30,170	178,663	23,246	27,641	32,364	83,254	293,217	144,346	62,538	178,663	679,464	92.1	80.9	89.2	87.7
4. Caloocan City	81,415	15,433	12,176	46,724	39,838	3,674	4,655	48,176	121,264	19,107	16,839	46,724	203,924	67.1	80.8	72.3	76.4
5. Las Piñas	29,775	786	189	13,178	37,007	4,638	25,348	67,013	66,782	5,444	25,537	13,178	110,941	44.6	14.4	0.7	39.6
6. Marikina	80,974	63,337	6,342	64,568	10,477	11,721	3,283	25,581	91,451	75,058	9,725	64,568	240,800	88.5	84.4	65.2	89.4
7. Marikina	31,384	4,600	10,273	19,224	14,589	2,016	14,869	31,270	48,074	6,616	24,838	19,824	97,352	68.1	69.5	41.4	67.9
8. Mandaluyong	36,610	14,763	10,563	26,540	3,248	2,128	5,353	10,729	39,858	16,951	15,906	26,540	99,195	91.9	87.4	66.3	88.2
9. Marikina	52,337	4,914	1,791	25,291	4,343	1,773	8,261	14,380	58,741	9,687	9,365	25,291	88,684	92.3	73.5	17.1	85.4
10. Montalupa	20,656	99	37	8,928	31,571	10,423	41,459	83,453	52,208	10,521	41,656	8,928	113,212	39.5	0.9	0.2	26.3
11. Navotas	24,677	2,742	2,811	12,956	621	1,439	6,480	8,480	28,797	4,363	4,550	12,956	49,565	85.7	81.5	61.8	81.0
12. Parañaque	62,934	8,497	2,021	31,505	42,310	6,223	21,398	69,929	105,294	14,720	23,427	31,505	174,948	59.8	57.7	8.1	60.9
13. Pasig	62,935	21,836	9,770	36,232	8,431	72,453	90,273	72,117	26,468	82,430	36,232	211,046	87.3	58.4	11.9	57.2	
14. Pateros	4,262	71	4	1,864	5,277	0	2,124	7,401	9,529	71	2,128	1,864	13,582	44.6	100.0	0.2	45.5
15. San Juan	29,410	10,412	1,465	17,694	1,751	97	1,887	31,341	10,510	1,322	17,694	60,867	91.4	99.1	96.1	96.9	
16. Taguig	9,793	457	11	4,338	38,207	4,623	49,226	92,662	48,000	5,086	49,333	4,338	107,321	20.4	9.0	0.0	13.7
17. Valenzuela	32,651	2,890	1,406	15,834	20,765	4,335	32,171	57,261	53,406	7,224	33,577	15,834	110,041	61.1	40.0	4.2	48.0
III. CAVITE	44,332	1,550	1,393	20,239	49,094	6,564	7,123	62,769	39,425	8,103	6,511	20,259	130,299	47.5	19.1	16.3	51.8
1. Bacoor	15,408	340	85	6,795	18,918	890	0	19,808	34,325	1,230	85	6,785	42,425	44.9	27.5	100.0	53.3
2. Cavite City	10,954	921	288	5,213	6,511	4,406	0	10,917	17,465	5,327	288	5,213	23,293	62.7	17.3	100.0	61.4
3. Imus	7,781	82	9	3,374	11,023	816	641	12,480	18,804	998	650	3,374	23,725	41.4	9.1	1.3	47.4
4. Kawit	5,802	136	694	3,279	3,041	3,041	0	9,843	155	694	3,279	13,971	13,971	100.0	100.0	78.2	86.7
5. Moveleta	1,022	6	107	436	1,621	3,059	0	3,059	4,090	6	107	436	4,880	25.0	100.0	100.0	34.6
6. Rosario	2,366	46	207	1,123	3,712	5,512	411	6,481	8,908	487	6,868	1,123	17,205	26.6	9.5	3.1	21.7
III. RIZAL	47,536	5,109	3,347	19,182	71,104	10,559	87,131	168,794	118,640	15,668	30,479	19,182	243,989	40.1	32.6	3.7	30.8
1. Angono	3,115	623	136	694	1,466	0	925	2,031	4,271	623	1,121	694	6,709	72.9	100.0	17.5	69.0
2. Antipolo	11,090	765	2,145	5,000	19,399	19,774	3,499	14,543	30,864	4,024	16,668	6,000	97,816	35.9	17.9	12.9	34.6
3. Marikina	127	25	8	28	568	568	0	38	685	28	46	28	784	18.5	100.0	17.4	23.9
4. Binangonan	7,008	1,402	442	1,562	10,414	3,109	0	2,983	5,190	1,402	2,623	1,562	15,604	69.3	100.0	17.5	66.7
5. Calamba	6,273	589	58	2,997	18,589	4,018	42,748	66,356	24,862	4,887	43,807	2,997	76,213	25.2	12.4	0.1	12.9
6. Cardona	490	98	31	109	566	0	146	1,112	1,466	98	177	109	1,840	31.7	100.0	17.5	39.5
7. Jala-Jala	15	5	5	16	109	0	22	564	615	15	27	16	873	11.9	100.0	18.5	16.2
8. Montalban	3,993	53	21	1,704	3,282	1,069	3,557	7,918	7,195	1,228	3,578	1,704	13,599	54.2	4.7	0.6	41.8
9. Sto. Roog	955	191	60	213	1,413	861	1,445	1,816	351	314	213	2,564	52.6	100.0	17.4	55.3	
10. Piliilla	703	141	44	157	1,045	993	0	209	1,696	141	253	157	2,247	41.5	100.0	17.4	46.5
11. San Mateo	4,352	235	66	1,994	6,248	494	730	7,502	10,630	729	756	1,994	14,150	40.9	32.2	8.3	47.0
12. Tanay	2,170	434	137	484	1,656	0	645	2,301	3,826	434	782	484	5,526	55.7	100.0	17.5	58.4
13. Taytay	6,798	462	105	3,156	10,522	12,754	1,478	20,099	19,522	1,941	20,164	3,156	44,813	34.8	23.8	0.5	23.5
14. Teresa	480	96	30	107	575	0	143	718	1,055	96	173	107	1,431	45.5	100.0	17.3	49.8
TOTAL	1,216,158	455,291	118,068	762,978	436,105	118,941	418,793	975,839	1,654,262	574,232	536,861	762,978	13,528,333	73.6	79.3	22.0	72.4

TABLE 13.2.24 SUMMARY OF PROJECTED WATER DEMAND IN 2000 (CASE 2)

CITY/ MUNICIPALITY	WMS SERVED WATER DEMAND (M3/D)			PRIVATELY SERVED WATER DEMAND (M3/D)			TOTAL WATER DEMAND (M3/D)			WMS SERVICES RATIO (%)						
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	D	C	I	T			
I. NCR	1,420,202	561,191	146,218	369,650	592,223	1,632,014	671,952	515,268	709,204	3,529,038	27.0	83.5	26.3	80.4		
1. Manila	287,682	205,861	27,560	4,655	5,786	27,866	285,097	210,526	33,346	696,004	53.9	97.8	82.6	95.0		
2. Pasay City	52,747	30,375	2,742	8,735	3,375	19,618	60,195	39,170	6,115	134,102	37.5	77.5	44.8	85.4		
3. Quezon City	397,254	148,563	41,210	27,641	32,358	81,471	328,717	179,204	73,677	744,307	93.5	84.3	56.1	85.1		
4. Caloocan City	110,825	19,550	15,174	3,674	4,665	38,462	140,924	19,839	48,350	232,661	78.6	84.2	76.5	83.5		
5. Las Pinas	83,920	959	222	23,367	5,685	59,013	92,333	30,986	23,367	152,181	74.6	14.4	0.7	61.3		
6. Marikina	92,591	79,903	8,074	11,721	3,333	20,344	98,132	11,488	60,223	261,735	94.2	87.2	70.5	92.0		
7. Malabon	40,574	6,060	14,638	2,016	1,565	27,304	51,297	8,076	23,263	109,038	79.1	75.0	56.2	75.0		
8. Mandaluyong	41,038	18,491	13,356	2,914	2,122	5,353	10,395	18,739	24,305	107,616	93.4	89.7	71.4	90.3		
9. Marikina	61,482	5,999	2,004	2,164	9,738	16,094	65,656	8,163	11,739	106,313	93.6	73.5	17.1	85.2		
10. Muntinlupa	48,677	120	114	16,304	48,844	78,387	65,458	12,843	48,958	143,693	74.3	0.9	0.2	45.4		
11. Navotas	29,978	3,484	3,621	2,401	1,739	4,761	32,379	4,105	5,380	54,208	92.6	84.9	67.8	91.2		
12. Paranaque	92,068	16,472	2,853	7,597	25,207	56,100	115,364	17,969	27,600	34,944	195,877	79.8	87.7	8.7	71.4	
13. Pasig	79,047	14,448	11,511	10,292	35,692	101,430	84,583	24,741	97,113	35,002	241,438	93.5	58.4	11.9	58.0	
14. Paterson	7,538	86	5	2,502	5,813	10,949	86	2,507	2,576	16,118	59.8	100.0	0.2	53.9		
15. San Juan	30,409	12,732	1,735	97	59	1,888	32,141	12,829	1,794	14,938	61,722	94.6	99.2	96.7	98.9	
16. Taguig	39,371	558	13	17,185	5,650	58,702	81,537	6,208	58,715	134,793	68.6	9.0	0.0	39.5		
17. Valenzuela	43,820	3,528	1,856	18,048	37,902	61,241	67,868	39,458	18,335	134,580	73.4	40.0	4.2	54.5		
III. CAVITE	78,768	1,892	1,637	8,000	8,351	49,082	111,409	9,892	10,027	35,270	156,598	70.7	19.1	16.3	70.6	
1. Bacoor	34,252	415	100	8,626	1,087	9,713	42,878	1,502	100	14,900	59,379	79.9	27.6	100.0	83.6	
2. Cavite City	14,987	1,124	339	4,270	5,319	9,649	19,256	6,503	339	7,050	33,148	77.8	17.3	100.0	70.9	
3. Imus	12,663	100	10	9,599	996	11,351	22,283	1,096	766	5,483	29,528	56.9	9.1	1.3	61.7	
4. Imbit	3,763	189	318	1,855	0	1,855	11,578	189	818	4,598	17,183	84.0	100.0	100.0	89.2	
5. Noveleta	3,057	8	126	1,702	0	1,702	4,759	8	126	1,367	6,260	64.2	100.0	100.0	72.8	
6. Rosario	4,066	56	244	6,590	538	7,635	14,763	595	7,879	1,871	21,001	38.2	9.5	3.1	23.7	
III. RIZAL	96,991	7,396	5,440	61,900	12,889	103,472	178,282	20,285	108,913	34,882	322,972	61.0	36.5	5.0	44.8	
1. Angono	5,138	1,028	555	1,124	0	1,295	6,262	1,028	1,850	1,186	10,326	82.1	100.0	30.0	76.6	
2. Antipolo	17,690	334	2,527	23,877	4,271	17,134	45,283	5,205	19,661	9,064	75,498	42.6	17.9	12.9	40.0	
3. Baras	189	38	20	610	0	48	759	38	68	44	849	23.7	100.0	29.5	30.6	
4. Binangonan	10,902	2,180	1,177	2,873	0	2,747	5,520	13,775	2,180	3,924	22,395	79.1	100.0	30.0	74.9	
5. Calala	24,781	635	68	10,715	4,905	51,541	67,182	35,476	5,680	51,610	8,508	69.8	12.4	0.1	33.6	
6. Cardona	631	126	68	1,065	0	159	1,656	126	223	146	2,135	38.6	100.0	30.0	45.5	
7. Jala-Jala	269	54	29	542	0	68	811	84	97	62	1,024	33.2	100.0	29.9	40.4	
8. Montalban	6,644	64	24	3,070	1,305	4,191	8,566	8,714	1,370	4,215	2,452	16,355	64.8	4.7	0.6	42.9
9. Noron	1,253	251	135	900	0	316	1,216	251	451	289	3,144	58.2	100.0	29.9	51.3	
10. Plilla	1,161	232	125	1,010	0	282	1,302	232	417	268	3,988	53.5	100.0	30.0	57.8	
11. San Mateo	6,983	287	78	6,381	603	860	13,264	830	938	3,106	18,198	51.9	32.2	8.3	56.9	
12. Tandang	3,924	765	424	1,870	0	989	5,494	785	1,813	306	8,598	71.4	100.0	30.0	70.2	
13. Taytay	17,754	565	124	7,683	1,804	23,682	33,220	25,437	2,359	6,147	57,709	89.8	23.8	0.5	42.8	
14. Teresa	792	158	86	539	0	200	739	158	266	183	1,968	59.5	100.0	30.1	62.3	
TOTAL	1,595,562	570,418	155,295	306,383	181,651	481,513	919,317	1,902,314	702,129	534,808	779,356	14,018,608	83.9	81.2	24.1	77.1

TABLE 13.2.25 SUMMARY OF PROJECTED WATER DEMAND IN 2005 (CASE 2 & 3)

CITY/ MUNICIPALITY	MWS SERVED WATER DEMAND (K3/D)				PRIVATELY SERVED WATER DEMAND (K3/D)				TOTAL WATER DEMAND (K3/D)				MWS SERVICE RATIO (%)				
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	D	C	I	T	
10. NCR	1,534,341	672,476	176,390	3,311,729	180,476	119,593	41,846	711,915	1,814,818	792,003	588,925	3,217,746	90.1	84.3	30.1	82.3	
11. Manila	277,955	243,494	32,276	736,301	17,021	4,655	5,786	27,472	294,976	248,160	33,032	576,168	94.2	92.1	34.8	95.4	
12. Pasay City	61,177	37,377	3,607	136,214	4,358	3,795	3,375	15,708	65,715	46,172	6,981	158,222	93.1	91.0	51.9	89.1	
13. Quezon City	332,611	180,061	51,730	768,538	1,366	27,641	32,368	81,874	460,477	297,702	84,097	842,410	85.7	81.5	59.3	90.3	
14. Caloocan City	134,651	23,820	17,980	255,267	25,531	3,674	4,655	33,970	160,282	27,494	22,644	269,237	84.0	85.6	79.4	87.4	
15. Las Pinas	93,932	1,131	254	194,422	16,594	3,703	3,087	59,684	122,826	7,333	33,431	209,109	84.6	74.4	0.7	70.2	
16. Makati	98,362	96,282	9,694	272,451	5,216	11,121	3,353	20,920	104,178	108,003	13,078	293,371	94.4	89.1	74.1	92.9	
17. Malabon	47,256	7,504	16,835	88,128	8,770	2,015	14,585	25,351	56,026	9,519	33,401	123,479	84.3	78.8	58.4	79.5	
18. Mandaue	44,675	22,177	16,036	110,518	2,933	2,128	1,113	18,090	74,219	24,395	21,369	120,311	93.9	91.2	75.0	91.4	
19. Marikina	65,793	7,071	2,237	105,595	4,426	2,551	1,113	18,090	74,219	24,395	21,369	120,311	93.9	91.2	75.0	91.4	
20. Muntinlupa	61,217	142	130	89,995	12,477	14,997	55,751	83,295	79,694	15,139	55,882	179,211	84.3	0.9	0.2	52.0	
21. Navotas	31,300	4,218	4,379	55,863	621	1,739	4,737	4,737	35,877	4,839	6,118	60,600	93.3	87.3	71.8	92.2	
22. Parangue	104,101	12,228	2,731	158,744	18,593	8,955	28,772	55,328	122,694	21,181	31,503	215,064	84.8	57.7	8.7	73.8	
23. Parig	30,921	17,031	13,139	161,455	6,877	12,132	97,708	115,717	96,798	29,163	110,847	277,172	93.9	89.4	11.9	58.3	
24. Paleros	9,815	102	6	3,397	0	2,856	5,346	5,346	12,304	102	2,862	3,307	18,478	100.0	0.2	71.2	
25. San Juan	31,088	15,023	1,888	64,133	1,931	37	59	1,888	32,818	15,122	2,047	65,020	94.7	93.4	97.1	97.1	
26. Taguig	51,771	638	15	69,925	13,246	6,660	67,004	86,909	65,015	7,318	67,019	174,811	156,834	79.6	9.0	0.0	44.6
27. Valenzuela	63,719	4,158	1,891	101,024	13,812	6,237	43,282	63,311	84,531	10,395	45,153	164,335	83.5	40.0	4.2	61.5	
28. CAVITE	194,412	2,439	1,868	144,680	25,861	9,430	9,577	44,888	130,273	11,660	11,445	38,170	189,548	90.1	19.1	16.3	76.3
29. Bacoor	44,303	489	114	59,874	7,858	1,281	0	9,140	52,161	1,770	114	14,968	59,014	84.9	27.6	100.0	86.8
30. Cavite City	19,634	1,325	387	23,461	1,440	6,341	0	7,781	21,074	7,656	387	7,115	36,242	93.2	17.3	100.0	78.5
31. Imus	17,518	118	12	23,527	8,309	1,174	863	10,346	25,825	1,232	874	5,882	33,873	67.8	9.1	1.3	69.5
32. Ismit	12,821	222	934	13,502	603	0	0	603	13,323	222	934	4,926	19,105	95.5	100.0	100.0	86.8
33. Noveleta	4,154	9	143	5,742	1,284	0	0	1,284	5,439	9	143	7,027	76.4	100.0	100.0	81.7	
34. Rosario	6,085	66	278	8,573	6,356	635	8,715	15,715	12,451	701	8,933	24,288	48.9	9.5	3.1	35.3	
35. RIZAL	139,950	10,320	9,149	45,319	20,739	15,193	118,375	193,711	200,092	25,513	127,524	45,319	338,449	69.9	40.4	7.2	51.4
36. Angono	7,927	1,585	1,284	12,701	1,022	0	1,570	2,592	8,949	1,585	2,854	1,905	15,293	88.6	100.0	45.0	83.1
37. Antipolo	25,514	1,101	2,884	39,432	25,583	5,035	19,557	51,175	52,097	5,136	22,441	9,833	90,506	49.0	17.9	12.9	43.5
38. Binas	401	80	55	642	629	0	79	708	1,030	80	144	36	1,350	88.9	100.0	45.1	47.8
39. Binangonan	15,915	2,183	2,578	25,601	9,014	5,782	3,151	5,671	18,435	3,183	5,729	3,825	31,172	85.3	100.0	45.0	81.8
40. Calamba	35,817	819	78	48,688	9,014	0	167	1,188	1,882	188	303	202	2,535	45.2	100.0	44.3	52.1
41. Cardona	841	168	136	1,347	1,021	0	0	1,021	1,094	114	206	137	1,549	51.9	100.0	45.1	58.3
42. Jala-Jala	568	114	92	911	525	0	112	638	1,094	114	206	137	1,549	51.9	100.0	45.1	58.3
43. Marikina	7,538	76	28	10,138	2,614	1,539	4,784	8,935	10,152	1,614	4,811	2,547	19,134	74.3	4.1	0.5	53.3
44. Morong	1,768	354	286	2,833	940	0	350	1,290	2,708	354	636	425	4,123	65.3	100.0	45.0	68.7
45. Plaridel	2,161	432	350	3,482	328	0	428	1,346	442	778	513	718	70.0	100.0	45.0	71.9	
46. San Mateo	10,156	338	89	14,124	6,141	711	982	7,833	16,307	1,049	1,971	3,531	21,958	62.3	32.2	8.3	64.3
47. San Jose	5,892	1,176	993	9,426	1,185	0	1,185	2,682	7,379	1,176	1,414	1,414	12,997	79.7	100.0	45.0	78.0
48. Taytay	24,509	665	141	33,754	6,203	2,127	25,975	35,394	30,712	2,782	27,116	8,439	69,058	79.8	23.8	0.5	48.9
49. Teresa	1,143	229	185	1,832	504	0	226	730	1,617	229	411	235	2,562	69.4	100.0	45.0	71.5
TOTAL	14,878,704	665,925	187,987	3,861,148	286,479	144,216	539,798	950,433	2,145,183	329,242	727,785	909,422	4,611,641	87.6	82.6	25.8	79.4

TABLE 13.2.2.26 SUMMARY OF PROJECTED WATER DEMAND IN 2010 (CASE 2 & 3)

CITY/ MUNICIPALITY	MWS SERVED WATER DEMAND (M3/D)				PRIVATELY SERVED WATER DEMAND (M3/D)				TOTAL WATER DEMAND (M3/D)				MWS SERVICE RATIO (%)				
	DOMESTIC		COMMERCIAL/INDUSTRIAL		DOMESTIC		COMMERCIAL/INDUSTRIAL		DOMESTIC		COMMERCIAL/INDUSTRIAL		DOMESTIC		COMMERCIAL/INDUSTRIAL		
	LOSS %	TOTAL	LOSS %	TOTAL	LOSS %	TOTAL	LOSS %	TOTAL	LOSS %	TOTAL	LOSS %	TOTAL	C	I	T		
I. NCR	1,814,248	784,697	206,731	3,740,939	172,531	122,498	452,855	753,685	1,986,777	913,156	559,388	935,225	14,484,583	91.3	85.9	31.4	82.2
1. Manila	284,993	281,444	36,837	804,355	16,908	4,565	5,795	21,359	301,901	286,109	42,623	291,952	831,725	94.4	98.4	86.4	95.7
2. Pasay City	65,993	44,438	4,413	153,155	4,567	8,795	3,375	16,736	70,560	53,233	7,818	38,291	169,901	92.5	83.5	56.8	80.1
3. Quezon City	365,702	211,824	61,807	852,444	22,654	27,641	32,368	82,662	388,355	239,484	94,175	219,111	935,106	94.2	83.5	65.5	91.2
4. Caloocan City	159,458	28,924	20,693	277,565	19,621	3,674	4,565	21,860	179,077	31,698	25,358	65,931	305,524	89.0	88.4	81.5	80.8
5. Las Piñas	139,861	1,303	284	178,932	44,983	7,728	38,171	65,889	187,351	5,031	39,458	44,993	249,821	81.5	14.4	0.7	72.0
6. Makati	102,768	112,798	11,252	302,437	5,932	11,721	3,383	21,035	198,700	124,519	14,665	75,609	323,473	94.5	90.6	75.9	92.5
7. Malabon	59,781	8,959	22,839	114,113	6,398	2,016	14,565	25,973	60,185	10,975	37,404	28,528	137,092	89.4	81.6	61.1	83.2
8. Mandaluyong	47,748	25,834	18,599	122,939	2,975	2,128	5,353	10,458	50,723	23,022	23,952	30,747	133,445	94.1	92.4	77.7	82.2
9. Marikina	77,453	8,153	2,551	117,556	4,726	2,911	12,444	20,112	82,179	11,094	15,005	29,389	137,568	94.2	73.5	17.1	85.4
10. Muntinlupa	79,750	153	146	106,716	14,542	17,251	52,432	91,265	94,232	17,454	62,978	25,887	201,011	94.6	0.9	0.2	53.1
11. Navotas	36,199	4,858	5,112	61,632	2,427	621	1,739	4,787	38,626	5,578	8,852	15,425	65,479	93.7	88.9	74.5	82.8
12. Paranaque	107,442	14,096	3,059	186,829	19,178	10,374	32,220	61,722	126,900	24,420	35,272	41,632	228,251	84.9	57.7	8.7	73.0
13. Pasig	105,053	19,636	14,713	181,669	6,322	13,987	109,417	129,728	108,375	31,623	124,139	45,467	313,595	94.2	56.4	11.9	58.4
14. Patros	12,153	117	6	15,376	1,401	0	3,193	4,609	13,550	117	3,205	4,094	20,975	89.7	100.0	0.2	78.1
15. San Juan	31,298	17,338	2,234	67,826	1,724	97	59	1,880	33,022	17,435	2,233	16,956	69,706	94.8	99.4	97.4	97.3
16. Taguig	65,410	758	17	88,247	7,704	7,679	75,033	90,416	73,114	8,437	75,056	22,852	178,664	89.5	9.0	0.0	49.4
17. Valenzuela	88,373	4,794	2,117	127,045	11,464	7,151	48,445	67,101	93,937	11,985	50,554	31,761	194,147	88.5	40.0	4.2	65.4
III. CAVITE	129,157	2,571	2,092	178,439	20,120	10,873	10,725	41,718	149,287	13,443	12,817	44,610	220,157	86.5	19.1	15.3	81.1
1. Bacoor	52,721	554	108	71,216	9,322	1,477	0	10,799	62,043	2,041	128	17,804	82,015	85.0	21.8	100.0	86.8
2. Cavite City	22,414	1,528	433	32,500	4,498	1,354	966	5,818	22,414	8,838	433	8,125	39,810	100.0	17.3	100.0	81.5
3. Imus	24,886	138	13	33,381	1,045	5,444	2,550	7,289	29,385	1,890	979	8,345	40,199	84.7	5.1	1.3	83.0
4. Kawit	15,032	256	1	21,778	815	0	0	816	15,032	256	1	1,045	21,778	100.0	100.0	100.0	100.0
5. Noveleta	5,295	10	161	7,239	0	0	0	0	6,112	10	161	1,822	8,105	88.5	100.0	100.0	85.9
6. Rosario	8,618	77	312	12,275	5,484	732	9,759	15,975	14,302	868	10,071	3,069	29,250	61.7	9.5	3.1	43.5
III. RIZAL	192,615	13,854	14,894	283,791	53,161	17,517	131,930	202,808	245,976	31,370	146,764	62,239	486,399	78.4	44.2	10.1	58.2
1. Angono	11,583	2,317	2,502	19,295	848	0	1,668	2,516	12,431	2,317	4,170	2,894	21,812	33.2	100.0	60.0	88.5
2. Antipolo	35,948	1,259	3,230	53,929	27,575	5,805	21,903	55,380	63,523	7,074	25,130	13,482	109,399	55.5	17.9	12.9	49.3
3. Baras	699	340	151	1,185	630	0	101	731	1,329	140	252	175	1,895	32.5	100.0	59.9	51.4
4. Binangonan	22,135	4,427	4,781	36,874	2,063	0	3,187	5,250	24,189	4,427	7,368	5,531	42,124	91.5	100.0	60.0	81.5
5. Calinza	48,671	944	88	66,270	5,580	6,687	65,880	78,127	54,251	7,510	65,368	15,567	144,397	89.7	12.4	0.1	45.9
6. Cardona	1,095	219	237	1,815	1,020	0	158	1,178	2,115	219	395	274	3,093	31.8	100.0	80.0	60.8
7. Jala-Jala	938	198	213	1,646	490	0	142	632	1,478	198	355	247	2,278	55.8	100.0	60.0	72.3
8. Montalban	9,288	87	31	12,542	2,187	1,774	5,357	9,318	11,445	1,861	5,388	3,135	21,260	40.9	4.1	0.6	57.4
9. Noronaga	2,447	489	529	4,076	965	0	352	1,318	3,413	469	611	611	5,354	71.7	100.0	60.0	75.6
10. Plarilla	3,957	613	682	5,108	882	0	442	1,424	3,949	613	1,104	766	6,432	77.3	100.0	60.0	79.4
11. San Mateo	14,476	390	160	19,989	5,274	819	1,099	7,193	39,750	1,209	1,939	4,989	27,147	73.3	32.2	8.3	73.5
12. Taytay	3,285	1,677	1,811	13,568	1,356	0	1,208	2,574	9,751	1,677	3,019	2,095	15,542	86.0	100.0	60.0	84.4
13. Taytay	32,453	767	188	44,504	3,721	2,432	30,207	36,380	35,174	3,219	30,365	11,126	80,884	83.7	23.8	0.5	55.0
14. Teresa	1,581	315	342	2,634	458	0	228	686	2,039	316	570	395	3,320	77.5	100.0	60.0	79.3
TOTAL	2,136,228	801,151	223,597	4,403,129	245,812	156,888	595,310	998,010	3,388,040	558,009	818,967	11,042,123	15,201,139	89.7	83.6	27.3	80.8

TABLE 13-2.27 SUMMARY OF PROJECTED WATER DEMAND IN 1955 (CASE 3)

CITY/MUNICIPALITY	RWSS SERVED WATER DEMAND (MG/D)				PRIVATELY SERVED WATER DEMAND (MG/D)				TOTAL WATER DEMAND (MG/D)				RWSS SERVICE RATIO (%)				
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	D	C	I	T	
I. NCR	1,126,290	448,632	113,331	999,059	315,907	101,339	324,510	742,276	1,442,197	437,871	909,059	13,339,588	78.1	81.5	25.9	77.8	
1. Manila	252,399	167,997	22,519	442,915	19,345	4,665	5,766	29,776	271,745	172,462	28,304	710,897	32.9	87.3	79.6	95.8	
2. Pasay City	43,524	22,993	1,817	68,334	10,561	3,795	3,375	17,731	54,085	32,088	5,132	128,321	80.5	72.6	35.0	82.3	
3. Quezon City	279,472	116,795	30,170	426,437	23,246	37,841	32,838	83,925	293,717	144,346	62,538	725,326	82.1	80.9	48.2	88.5	
4. Caloocan City	81,416	15,433	12,175	109,024	39,838	3,674	4,665	48,176	121,254	19,107	16,839	215,905	67.1	80.8	72.3	77.7	
5. Las Pinas	29,775	766	189	30,730	37,007	4,858	25,348	67,013	56,792	5,444	25,537	114,320	44.6	14.4	0.7	41.4	
6. Marikina	80,974	63,337	8,342	152,653	10,477	3,383	25,581	39,440	91,451	75,038	9,725	257,355	88.5	84.4	65.2	90.1	
7. Malabon	31,384	4,600	10,373	46,357	14,689	2,016	14,565	31,270	46,074	6,616	24,338	102,435	88.1	69.5	41.4	69.5	
8. Mandaluyong	36,610	14,763	10,553	61,926	3,248	2,128	5,353	10,729	39,868	16,891	15,906	106,000	91.9	87.4	66.3	89.9	
9. Marikina	52,997	4,914	1,701	61,612	4,343	1,773	6,264	14,380	56,741	6,637	9,965	105,169	92.3	71.5	17.1	86.3	
10. Muntinlupa	20,636	99	97	20,832	31,571	10,423	41,459	83,453	52,268	10,521	41,556	115,501	39.5	0.9	0.2	27.7	
11. Navotas	24,677	2,742	2,811	30,230	4,120	621	1,739	6,480	28,997	3,363	4,550	16,278	52,987	85.7	81.5	61.8	87.8
12. Paranaque	62,984	9,497	2,031	74,512	42,310	6,223	21,386	69,923	105,234	14,720	23,427	39,583	183,025	59.8	57.7	8.7	61.8
13. Pasig	62,935	11,836	9,770	84,541	9,182	8,431	72,659	90,233	76,117	30,268	82,430	45,522	230,435	87.3	53.4	11.9	59.0
14. Pateros	4,852	71	4	4,927	5,277	0	2,124	7,401	7	71	2,128	14,057	44.6	100.0	0.2	47.4	
15. San Juan	29,410	10,412	1,463	41,285	1,731	97	59	1,887	31,141	10,510	1,522	22,231	65,404	93.1	98.1	96.1	97.1
16. Taguig	9,793	457	11	10,261	38,207	4,629	49,826	92,662	48,000	5,066	49,338	5,625	108,449	20.4	9.0	0.0	14.6
17. Valenzuela	32,651	2,890	1,405	36,946	20,755	4,335	32,171	57,261	33,406	7,224	33,877	19,994	114,191	61.1	49.0	4.2	49.8
III. CAMRIB	44,332	1,550	1,389	47,271	49,094	6,594	7,122	62,799	32,425	3,103	3,511	20,359	47.5	19.1	16.3	51.8	
1. Bacoor	15,408	340	85	15,833	18,918	890	0	19,808	34,325	1,230	85	6,785	42,425	44.9	27.6	100.0	53.3
2. Cavite City	10,954	321	288	11,563	6,511	4,406	0	10,917	17,465	5,327	288	28,293	62.7	17.3	100.0	61.4	
3. Las	7,781	82	9	7,872	11,023	816	641	12,480	18,804	3,986	650	23,725	41.4	9.1	1.3	47.4	
4. Nasit	6,802	155	694	8,651	3,641	0	0	3,641	9,843	155	694	13,971	69.1	100.0	100.0	78.2	
5. Noveleta	1,822	6	107	1,935	3,059	0	0	3,059	4,090	6	107	4,680	25.0	100.0	100.0	34.6	
6. Rosario	2,355	46	207	2,608	5,642	441	6,481	13,484	8,908	387	6,688	1,123	17,205	26.6	9.3	3.1	21.7
III. BIZAS	47,536	5,109	3,347	55,992	71,104	10,559	87,151	168,794	118,640	15,568	90,479	20,750	245,537	40.1	32.6	3.7	31.3
1. Angono	3,115	156	196	3,467	1,156	0	925	2,081	4,271	623	1,121	594	6,709	72.9	100.0	17.5	69.0
2. Antipolo	11,090	765	2,145	14,000	19,999	3,499	14,543	37,816	30,884	4,264	16,638	6,000	57,316	35.9	17.9	12.9	34.5
3. Baras	127	25	8	160	558	0	38	596	685	46	28	784	18.5	100.0	17.4	23.9	
4. Binangnan	7,008	1,402	482	8,912	3,109	0	2,081	5,190	10,117	1,402	2,523	1,562	15,604	69.3	100.0	17.5	66.7
5. Calista	6,273	569	58	6,900	18,559	4,018	49,748	66,356	24,862	4,587	43,807	3,715	76,972	25.2	12.4	0.1	13.8
6. Cardona	490	98	31	619	966	0	146	1,112	1,456	38	177	109	1,840	33.7	100.0	17.5	39.6
7. Jala-Jala	73	15	5	93	542	0	22	564	615	15	27	16	673	11.9	100.0	18.5	16.2
8. Montalban	3,903	53	21	4,077	3,252	1,069	3,597	7,918	7,195	1,122	3,378	1,704	13,595	54.2	4.7	0.6	41.8
9. Noron	955	191	60	1,206	861	0	284	1,145	1,816	191	344	213	2,564	52.6	100.0	17.4	55.3
10. Piliña	793	141	44	978	393	0	209	1,202	1,586	141	253	157	2,247	41.5	100.0	17.4	46.5
11. San Mateo	4,352	235	66	4,653	6,278	494	730	7,502	10,830	729	796	1,994	14,150	49.3	32.2	8.3	47.0
12. Taus	2,170	434	137	2,741	1,656	0	645	2,301	3,826	484	782	434	5,526	56.7	100.0	17.5	58.4
13. Taytay	6,798	462	105	7,365	11,331	1,478	20,959	34,291	19,582	1,941	20,164	3,986	45,632	34.8	21.8	0.5	24.8
14. Teresa	460	96	30	586	575	0	149	718	1,055	96	173	107	1,431	45.5	100.0	17.3	49.8
TOTAL	1,218,158	455,251	118,083	950,968	456,195	118,941	419,793	970,939	1,554,262	571,223	536,861	350,068	13,715,423	73.6	79.3	22.0	73.8

TABLE 3-2-28 SUMMARY OF PROJECTED WATER DEMAND IN 2000 (CLASS 3)

CITY/ MUNICIPALITY	WASS SERVED WATER DEMAND (M3/D)				PRIVATELY SERVED WATER DEMAND (M3/D)				TOTAL WATER DEMAND (M3/D)				WASS SERVICE RATIO (%)						
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	% TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	% TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	% TOTAL	D	C	I	T			
I. NCR	11,420,292	561,191	145,218	911,833	30.0	1,033,444	211,812	110,761	369,660	692,233	1,632,014	671,962	515,868	911,833	33,701,667	87.0	83.5	28.3	81.5
1. Manila	267,682	205,861	27,560	715,862	30.0	214,759	4,665	27,865	5,766	27,865	285,097	210,526	33,346	214,759	742,728	93.9	91.8	82.6	96.3
2. Pasig City	52,747	39,375	2,742	122,682	30.0	36,799	3,375	19,618	3,375	19,618	60,195	39,170	5,116	36,799	142,280	87.6	77.5	44.8	86.2
3. Quezon City	387,284	148,563	42,370	719,482	30.0	213,055	27,641	32,368	31,411	32,368	428,717	176,204	73,677	213,055	791,653	93.5	84.3	56.1	89.7
4. Caloocan City	110,825	19,650	15,174	208,978	30.0	62,421	3,574	4,865	38,462	4,865	140,948	23,324	19,833	63,421	246,532	78.6	84.2	76.5	84.4
5. Las Pinas	68,920	349	222	100,145	30.0	30,043	5,686	32,383	23,885	5,686	30,043	30,043	30,043	159,158	74.6	14.4	0.7	52.9	
6. Marikina	32,691	79,903	8,874	258,098	30.0	77,429	11,721	3,383	20,344	98,432	98,432	91,624	11,458	77,429	278,943	94.2	87.2	70.5	92.5
7. Malabon	40,574	6,060	14,698	81,615	30.0	26,235	2,016	14,666	27,304	51,297	30,976	26,285	114,921	79.1	75.0	50.3	75.2		
8. Muntinlupa	41,933	18,491	13,386	104,166	30.0	31,250	2,914	5,353	17,395	43,952	20,620	31,250	114,566	93.4	89.7	71.4	90.9		
9. Marikina	61,462	5,999	2,004	99,235	30.0	29,770	4,194	9,736	16,094	65,666	8,163	11,739	115,328	93.6	73.5	17.1	86.0		
10. Muntinlupa	48,677	120	114	69,874	30.0	20,962	12,723	48,844	78,387	65,498	12,843	48,989	20,962	146,261	74.3	0.9	0.2	47.1	
11. Navotas	29,978	3,484	3,621	52,911	30.0	15,853	2,401	1,739	4,761	32,379	5,360	15,893	57,737	92.6	84.9	67.6	91.8		
12. Parañaque	32,068	10,472	2,393	148,761	30.0	44,928	2,396	7,597	25,297	55,100	115,364	17,969	48,928	205,861	79.8	57.7	8.7	72.7	
13. Pasig	79,047	14,448	11,511	150,009	30.0	45,003	5,536	10,292	85,662	101,430	84,583	24,741	37,113	45,003	251,439	93.5	83.4	11.9	59.1
14. Patros	7,638	36	5	11,041	30.0	3,312	311	0	2,502	5,813	10,649	86	2,587	3,312	16,854	69.8	100.0	0.2	65.5
15. San Juan	39,493	12,732	1,735	64,108	30.0	19,232	97	59	1,888	32,141	12,829	1,794	19,232	65,996	94.6	99.2	95.7	97.1	
16. Taguig	39,371	598	13	57,068	30.0	17,118	17,185	5,650	58,792	81,537	56,556	6,208	138,597	69.6	9.0	3.0	41.2		
17. Valenzuela	49,820	3,328	1,655	78,878	30.0	23,573	15,048	5,291	37,992	61,241	67,668	8,819	39,558	33,573	139,818	73.4	40.0	4.2	56.2
III. CAVITE	78,788	1,892	1,637	35,270	30.0	117,568	32,841	8,800	8,391	49,032	111,409	9,892	10,027	36,270	166,598	70.7	19.1	16.3	70.6
1. Bacoor	34,262	415	100	43,666	30.0	14,900	8,626	1,987	0	9,713	42,878	1,502	100	14,900	59,379	79.3	27.6	106.0	83.6
2. Cavite City	14,581	1,124	339	23,500	30.0	7,050	4,270	5,379	0	9,649	19,256	6,503	339	7,050	33,148	77.8	17.3	100.0	70.9
3. Imus	12,683	100	10	18,277	30.0	5,483	9,599	755	11,351	2,283	1,096	166	5,483	29,628	56.9	9.1	1.3	61.7	
4. Kawit	5,723	139	818	15,328	30.0	4,598	1,855	1,855	0	1,855	11,578	189	818	4,598	17,133	84.0	100.0	100.0	89.2
5. Noveleta	3,057	8	126	4,358	30.0	1,367	1,702	0	1,702	0	4,153	8	126	1,367	5,260	64.2	100.0	100.0	72.8
6. Rosario	4,066	56	244	6,238	30.0	1,871	6,950	538	7,655	14,763	10,656	595	7,879	1,871	21,001	38.2	9.5	3.1	29.7
III. RIZAL	96,991	7,396	5,440	148,897	25.2	103,472	61,900	12,889	103,472	178,262	158,891	20,285	108,913	39,070	327,159	61.0	35.5	5.0	45.5
1. Angono	5,136	1,028	555	7,907	15.0	1,166	1,124	1,295	2,419	6,262	1,028	1,028	1,288	1,028	10,326	82.1	100.0	30.0	76.6
2. Antipolo	17,690	934	2,527	30,215	15.0	9,064	23,877	4,271	17,134	45,283	41,567	5,205	19,661	9,064	75,498	42.6	17.9	12.9	40.0
3. Binangnan	10,902	2,180	1,177	16,775	15.0	2,873	610	48	588	13,775	2,180	3,924	44	949	23,7	100.0	100.0	29.5	30.5
4. Calamba	24,761	595	68	38,463	30.0	10,915	4,905	51,541	67,162	35,476	5,600	51,610	10,339	10,339	103,625	69.8	12.4	0.1	35.2
5. Cardona	631	126	58	971	15.0	146	1,305	159	1,164	1,636	126	227	146	2,135	38.6	100.0	39.0	45.5	
6. Carmona	369	54	29	414	15.0	62	342	811	68	610	97	62	1,024	33.2	100.0	29.9	40.4		
7. Jala-Jala	5,644	64	24	8,139	30.0	2,457	3,070	1,305	4,191	8,566	8,714	4,215	2,457	16,755	61.6	4.7	0.6	48.9	
8. Montalban	1,251	251	135	1,928	15.0	1,216	890	316	1,216	2,153	2,153	451	289	3,144	58.2	100.0	29.9	61.3	
9. Moring	1,163	232	125	1,785	15.0	268	1,010	0	232	1,302	2,171	232	417	253	3,038	53.5	100.0	30.0	57.8
10. Pililla	6,883	287	78	10,354	30.0	3,106	6,381	603	860	7,844	13,284	390	3,106	18,198	51.9	32.2	8.3	56.9	
11. San Mateo	3,924	785	424	5,049	15.0	965	1,570	2,599	5,494	7,659	1,413	906	8,698	71.4	100.0	30.0	70.2		
12. Tayay	17,764	555	124	26,346	30.0	7,904	1,804	23,682	33,120	25,437	2,368	23,168	7,904	59,466	65.8	23.8	0.5	44.3	
13. Taytay	392	86	183	1,319	15.0	183	539	0	200	739	1,331	183	286	1,958	59.5	100.0	30.1	62.3	
TOTAL	1,598,962	570,478	153,295	986,173	28.8	3,305,908	306,353	131,661	481,513	919,517	1,992,314	702,129	631,608	986,173	14,225,424	83.9	81.2	24.1	78.2

TABLE 13.2.29. SUMMARY OF PROJECTED WATER DEMAND (CASE 1)

YEAR	MWSS SERVED WATER DEMAND (M3/D)					LOSS	MWSS SERVICE SHARE (%)			
	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL	RATIO	%	DOM.	COM.	IND.
1995	1,218,158	455,291	118,068	606,903	2,398,420	25.3	73.6	79.3	22.0	71.1
1996	1,293,719	478,328	125,113	612,073	2,509,233	24.4	75.9	79.7	22.5	72.3
1997	1,369,280	501,366	132,159	617,243	2,620,047	23.6	78.1	80.2	22.9	73.3
1998	1,444,840	524,403	139,204	622,412	2,730,860	22.8	80.1	80.6	23.4	74.4
1999	1,520,401	547,441	146,250	627,582	2,841,674	22.1	82.1	80.9	23.8	75.3
2000	1,595,962	570,478	153,295	632,752	2,952,487	21.4	83.9	81.2	24.1	76.3
2005	1,878,704	685,026	187,997	737,565	3,489,292	21.1	87.6	82.6	25.8	78.6
2010	2,136,228	801,121	223,657	847,102	4,008,108	21.1	89.7	83.6	27.3	80.1

YEAR	PRIVATELY SERVED WATER DEMAND (M3/D)			
	DOMESTIC	COMMERCIAL	INDUSTRIAL	TOTAL
1995	436,105	118,941	418,793	973,839
1996	410,155	121,483	431,337	962,975
1997	384,204	124,025	443,881	952,110
1998	358,254	126,567	456,425	941,246
1999	332,303	129,109	468,969	930,381
2000	306,353	131,651	481,513	919,517
2005	266,479	144,216	539,798	950,493
2010	245,812	156,888	595,310	998,010

YEAR	TOTAL WATER DEMAND (M3/D)				
	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL
1995	1,654,263	574,232	536,861	606,903	3,372,259
1996	1,703,873	599,811	556,450	612,073	3,472,208
1997	1,753,484	625,391	576,040	617,243	3,572,157
1998	1,803,094	650,970	595,629	622,412	3,672,106
1999	1,852,705	676,550	615,219	627,582	3,772,055
2000	1,902,315	702,129	634,808	632,752	3,872,004
2005	2,145,183	829,242	727,795	737,565	4,439,785
2010	2,382,040	958,009	818,967	847,102	5,006,118

TABLE 13.2.30 SUMMARY OF PROJECTED WATER DEMAND (CASE 2)

YEAR	MWSS SERVED WATER DEMAND (M3/D)					LOSS	MWSS SERVICE SHARE (%)			
	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL	RATIO %	DOM.	COM.	IND.	TOTAL
1995	1,218,158	455,291	118,068	762,978	2,554,495	29.9	73.6	79.3	22.0	72.4
1996	1,293,719	478,328	125,113	766,254	2,663,414	28.8	75.9	79.7	22.5	73.4
1997	1,369,280	501,366	132,159	769,529	2,772,333	27.8	78.1	80.2	22.9	74.4
1998	1,444,840	524,403	139,204	772,805	2,881,253	26.8	80.1	80.6	23.4	75.4
1999	1,520,401	547,441	146,250	776,080	2,990,172	26.0	82.1	80.9	23.8	76.3
2000	1,595,962	570,478	153,295	779,356	3,099,091	25.1	83.9	81.2	24.1	77.1
2005	1,878,704	685,026	187,997	909,422	3,661,149	24.8	87.6	82.6	25.8	79.4
2010	2,136,228	801,121	223,657	1,042,123	4,203,129	24.8	89.7	83.6	27.3	80.8

YEAR	PRIVATELY SERVED WATER DEMAND (M3/D)			
	DOMESTIC	COMMERCIAL	INDUSTRIAL	TOTAL
1995	436,105	118,941	418,793	973,839
1996	410,155	121,483	431,337	962,975
1997	384,204	124,025	443,881	952,110
1998	358,254	126,567	456,425	941,246
1999	332,303	129,109	468,969	930,381
2000	306,353	131,651	481,513	919,517
2005	266,479	144,216	539,798	950,493
2010	245,812	156,888	595,310	998,010

YEAR	TOTAL WATER DEMAND (M3/D)				
	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL
1995	1,654,263	574,232	536,861	762,978	3,528,334
1996	1,703,873	599,811	556,450	766,254	3,626,389
1997	1,753,484	625,391	576,040	769,529	3,724,444
1998	1,803,094	650,970	595,629	772,805	3,822,498
1999	1,852,705	676,550	615,219	776,080	3,920,553
2000	1,902,315	702,129	634,808	779,356	4,018,608
2005	2,145,183	829,242	727,795	909,422	4,611,642
2010	2,382,040	958,009	818,967	1,042,123	5,201,139

TABLE 13.2.31 SUMMARY OF PROJECTED WATER DEMAND (CASE 3)

YEAR	MWSS SERVED WATER DEMAND (M3/D)					LOSS	MWSS SERVICE SHARE (%)			
	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL	RATIO %	DOM.	COM.	IND.	TOTAL
1995	1,218,158	455,291	118,068	950,068	2,741,585	34.7	73.6	79.3	22.0	73.8
1996	1,293,719	478,328	125,113	957,289	2,854,450	33.5	75.9	79.7	22.5	74.8
1997	1,369,280	501,366	132,159	964,510	2,967,314	32.5	78.1	80.2	22.9	75.7
1998	1,444,840	524,403	139,204	971,731	3,080,179	31.5	80.1	80.6	23.4	76.6
1999	1,520,401	547,441	146,250	978,952	3,193,043	30.7	82.1	80.9	23.8	77.4
2000	1,595,962	570,478	153,295	986,173	3,305,908	29.8	83.9	81.2	24.1	78.2
2005	1,878,704	685,026	187,997	909,422	3,661,149	24.8	87.6	82.6	25.8	79.4
2010	2,136,228	801,121	223,657	1,042,123	4,203,129	24.8	89.7	83.6	27.3	80.8

YEAR	PRIVATELY SERVED WATER DEMAND (M3/D)			
	DOMESTIC	COMMERCIAL	INDUSTRIAL	TOTAL
1995	436,105	118,941	418,793	973,839
1996	410,155	121,483	431,337	962,975
1997	384,204	124,025	443,881	952,110
1998	358,254	126,567	456,425	941,246
1999	332,303	129,109	468,969	930,381
2000	306,353	131,651	481,513	919,517
2005	266,479	144,216	539,798	950,493
2010	245,812	156,888	595,310	998,010

YEAR	TOTAL WATER DEMAND (M3/D)				
	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL
1995	1,654,263	574,232	536,861	950,068	3,715,424
1996	1,703,873	599,811	556,450	957,289	3,817,424
1997	1,753,484	625,391	576,040	964,510	3,919,424
1998	1,803,094	650,970	595,629	971,731	4,021,425
1999	1,852,705	676,550	615,219	978,952	4,123,425
2000	1,902,315	702,129	634,808	986,173	4,225,425
2005	2,145,183	829,242	727,795	909,422	4,611,642
2010	2,382,040	958,009	818,967	1,042,123	5,201,139

TABLE 13.3.1 DISTRIBUTION OF WATER DEMAND IN 1995, BY SOURCE

CITY/ MUNICIPALITY	WATER DEMAND (M3/D)			MWSS BREAKDOWN (%)		MWSS BREAKDOWN (M3/D)		PRIVATE	GROUND-	G.W. SHARE (%)
	MWSS	PRIVATE	TOTAL	SURFACE WATER	GROUND- WATER	SURFACE WATER	GROUND- WATER	GROUND- WATER	WATER TOTAL	
I. NCR	2,597,312	742,276	3,339,588	98.3	1.7	2,552,414	44,898	742,276	787,174	23.6
1. Manila	681,100	29,796	710,897	100.0	0.0	681,100	0	29,796	29,796	4.2
2. Pasay City	105,590	22,731	128,321	95.2	4.8	100,508	5,082	22,731	27,813	21.7
3. Quezon City	642,072	83,254	725,326	97.1	2.9	623,746	18,326	83,254	101,580	14.0
4. Calookan City	167,729	48,176	215,905	100.0	0.0	167,729	0	48,176	48,176	22.3
5. Las Pinas	47,307	67,013	114,320	96.3	3.7	45,573	1,734	67,013	68,747	60.1
6. Makati	231,774	25,581	257,355	96.8	3.2	224,414	7,360	25,581	32,941	12.8
7. Malabon	71,165	31,270	102,435	98.3	1.7	69,921	1,244	31,270	32,514	31.7
8. Mandaluyong	95,271	10,729	106,000	100.0	0.0	95,271	0	10,729	10,729	10.1
9. Marikina	90,788	14,380	105,169	100.0	0.0	90,788	0	14,380	14,380	13.7
10. Muntinlupa	32,049	83,453	115,501	78.1	21.9	25,030	7,019	83,453	90,472	78.3
11. Navotas	46,507	6,480	52,987	99.3	0.7	46,194	313	6,480	6,793	12.8
12. Paranaque	113,095	69,929	183,025	98.4	1.6	111,327	1,768	69,929	71,697	39.2
13. Pasig	130,063	90,273	220,336	99.8	0.2	129,807	256	90,273	90,529	41.1
14. Pateros	6,657	7,401	14,057	100.0	0.0	6,657	0	7,401	7,401	52.6
15. San Juan	63,517	1,887	65,404	100.0	0.0	63,517	0	1,887	1,887	2.9
16. Taguig	15,787	92,662	108,449	94.6	5.4	14,940	847	92,662	93,509	86.2
17. Valenzuela	56,841	57,261	114,101	98.3	1.7	55,892	949	57,261	58,210	51.0
II. CAVITE	67,529	62,769	130,299	22.3	77.7	15,061	52,468	62,769	115,237	88.4
1. Bacoor	22,617	19,808	42,425	66.6	33.4	15,061	7,556	19,808	27,364	64.5
2. Cavite City	17,375	10,917	28,293	0.0	100.0	0	17,375	10,917	28,293	100.0
3. Imus	11,245	12,480	23,725	0.0	100.0	0	11,245	12,480	23,725	100.0
4. Kawit	10,929	3,041	13,971	0.0	100.0	0	10,929	3,041	13,971	100.0
5. Novleta	1,621	3,059	4,680	0.0	100.0	0	1,621	3,059	4,680	100.0
6. Rosario	3,742	13,464	17,205	0.0	100.0	0	3,742	13,464	17,205	100.0
III. RIZAL	76,743	168,794	245,537	17.1	82.9	13,094	63,649	168,794	232,443	94.7
1. Angono	4,628	2,081	6,709	100.0	0.0	4,628	0	2,081	2,081	31.0
2. Antipolo	19,999	37,816	57,816	0.0	100.0	0	19,999	37,816	57,816	100.0
3. Baras	188	596	784	0.0	100.0	0	188	596	784	100.0
4. Binangonan	10,414	5,190	15,604	0.0	100.0	0	10,414	5,190	15,604	100.0
5. Cainta	10,616	66,356	76,972	45.5	54.5	4,830	5,786	66,356	72,142	93.7
6. Cardona	728	1,112	1,840	0.0	100.0	0	728	1,112	1,840	100.0
7. Jala-Jala	109	564	673	0.0	100.0	0	109	564	673	100.0
8. Montalban	5,680	7,918	13,599	0.0	100.0	0	5,680	7,918	13,599	100.0
9. Korong	1,419	1,145	2,564	0.0	100.0	0	1,419	1,145	2,564	100.0
10. Pililla	1,045	1,202	2,247	0.0	100.0	0	1,045	1,202	2,247	100.0
11. San Mateo	6,648	7,502	14,150	0.0	100.0	0	6,648	7,502	14,150	100.0
12. Tanay	3,225	2,301	5,526	0.0	100.0	0	3,225	2,301	5,526	100.0
13. Taytay	11,331	34,291	45,622	32.1	67.9	3,636	7,695	34,291	41,986	92.0
14. Teresa	713	718	1,431	0.0	100.0	0	713	718	1,431	100.0
TOTAL	2,741,584	973,839	3,715,423	94.1	5.9	2,580,569	161,015	973,839	1,134,854	30.5

TABLE 13.3.2 DISTRIBUTION OF WATER DEMAND IN 2000, BY SOURCE

CITY/ MUNICIPALITY	WATER DEMAND (M3/D)			HWSS BREAKDOWN (%)		HWSS BREAKDOWN (M3/D)		PRIVATE GROUND- WATER	GROUND- WATER TOTAL	G.W. SHARE (%)
	HWSS	PRIVATE	TOTAL	SURFACE WATER	GROUND- WATER	SURFACE WATER	GROUND- WATER			
I. NCR	3,039,444	692,223	3,731,667	98.5	1.5	2,994,546	44,898	692,223	737,121	19.8
1. Manila	715,862	27,866	743,728	100.0	0.0	715,862	0	27,866	27,866	3.7
2. Pasay City	122,662	19,618	142,280	95.9	4.1	117,580	5,082	19,618	24,700	17.4
3. Quezon City	710,182	81,471	791,653	97.4	2.6	691,856	18,326	81,471	99,797	12.6
4. Calookan City	208,070	38,462	246,532	100.0	0.0	208,070	0	38,462	38,462	15.6
5. Las Pinas	100,145	59,013	159,158	98.3	1.7	98,411	1,734	59,013	60,747	38.2
6. Makati	258,098	20,844	278,943	97.1	2.9	250,738	7,360	20,844	28,204	10.1
7. Malabon	87,616	27,304	114,921	98.6	1.4	86,372	1,244	27,304	28,548	24.8
8. Mandaluyong	104,166	10,395	114,560	100.0	0.0	104,166	0	10,395	10,395	9.1
9. Marikina	99,235	16,094	115,328	100.0	0.0	99,235	0	16,094	16,094	14.0
10. Muntinlupa	69,874	78,387	148,261	90.0	10.0	62,855	7,019	78,387	85,406	57.6
11. Navotas	52,977	4,761	57,737	99.4	0.6	52,664	313	4,761	5,074	8.8
12. Paranaque	149,761	56,100	205,861	98.8	1.2	147,993	1,768	56,100	57,868	28.1
13. Pasig	150,009	101,430	251,439	99.8	0.2	149,753	256	101,430	101,686	40.4
14. Pateros	11,041	5,813	16,854	100.0	0.0	11,041	0	5,813	5,813	34.5
15. San Juan	64,108	1,888	65,996	100.0	0.0	64,108	0	1,888	1,888	2.9
16. Taguig	57,060	81,537	138,597	98.5	1.5	56,213	847	81,537	82,384	59.4
17. Valenzuela	78,578	61,241	139,818	98.8	1.2	77,629	949	61,241	62,190	44.5
II. CAVITE	117,566	49,032	166,598	39.7	60.3	46,709	70,858	49,032	119,890	72.0
1. Bacoor	49,666	9,713	59,379	84.8	15.2	42,110	7,556	9,713	17,269	29.1
2. Cavite City	23,500	9,649	33,148	0.0	100.0	0	23,500	9,649	33,148	100.0
3. Iloilo	18,277	11,351	29,628	0.0	100.0	0	18,277	11,351	29,628	100.0
4. Kawit	15,328	1,855	17,183	30.0	70.0	4,598	10,730	1,855	12,585	73.2
5. Noveleta	4,558	1,702	6,260	0.0	100.0	0	4,558	1,702	6,260	100.0
6. Rosario	6,238	14,763	21,001	0.0	100.0	0	6,238	14,763	21,001	100.0
III. RIZAL	148,897	178,262	327,159	42.2	57.8	62,799	86,098	178,262	264,360	80.8
1. Angono	7,907	2,419	10,326	100.0	0.0	7,907	0	2,419	2,419	23.4
2. Antipolo	30,215	45,283	75,498	6.1	93.9	1,834	28,381	45,283	73,664	97.6
3. Baras	291	658	949	0.0	100.0	0	291	658	949	100.0
4. Binangonan	16,775	5,620	22,395	0.0	100.0	0	16,775	5,620	22,395	100.0
5. Cainta	36,463	67,162	103,625	84.1	15.9	30,677	5,786	67,162	72,948	70.4
6. Cardona	971	1,164	2,135	0.0	100.0	0	971	1,164	2,135	100.0
7. Jala-Jala	414	610	1,024	0.0	100.0	0	414	610	1,024	100.0
8. Montalban	8,189	8,566	16,755	18.4	81.6	1,505	6,684	8,566	15,250	91.0
9. Morong	1,928	1,216	3,144	0.0	100.0	0	1,928	1,216	3,144	100.0
10. Pililla	1,786	1,302	3,088	0.0	100.0	0	1,786	1,302	3,088	100.0
11. San Mateo	10,354	7,844	18,198	21.5	78.5	2,224	8,130	7,844	15,974	87.8
12. Tanay	6,039	2,559	8,598	0.0	100.0	0	6,039	2,559	8,598	100.0
13. Taytay	26,346	33,120	59,466	70.8	29.2	18,651	7,695	33,120	40,815	68.6
14. Teresa	1,219	739	1,958	0.0	100.0	0	1,219	739	1,958	100.0
TOTAL	3,305,908	919,517	4,225,424	93.9	6.1	3,104,053	201,854	919,517	1,121,371	26.5

TABLE 13.3.3 DISTRIBUTION OF WATER DEMAND IN 2005, BY SOURCE

CITY/ MUNICIPALITY	WATER DEMAND (M ³ /D)			NWSS BREAKDOWN (%)		NWSS BREAKDOWN (M ³ /D)		PRIVATE GROUND- WATER	GROUND- WATER TOTAL	G.W. SHARE (%)
	NWSS	PRIVATE	TOTAL	SURFACE WATER	GROUND- WATER	SURFACE WATER	GROUND- WATER			
I. NCR	3,311,729	711,915	4,023,644	98.6	1.4	3,266,831	44,898	711,915	756,813	18.8
1. Manila	738,301	27,472	765,773	100.0	0.0	738,301	0	27,472	27,472	3.6
2. Pasay City	136,214	16,708	152,922	96.3	3.7	131,132	5,082	16,708	21,790	14.2
3. Quezon City	760,536	81,874	842,410	97.6	2.4	742,210	18,326	81,874	100,200	11.9
4. Calookan City	235,267	33,970	269,237	100.0	0.0	235,267	0	33,970	33,970	12.6
5. Las Pinas	140,422	59,684	200,105	98.8	1.2	138,688	1,734	59,684	61,418	30.7
6. Makati	272,451	20,920	293,371	97.3	2.7	265,091	7,360	20,920	28,280	9.6
7. Malabon	98,128	25,351	123,479	98.7	1.3	96,884	1,244	25,351	26,595	21.5
8. Mandaluyong	110,518	10,394	120,911	100.0	0.0	110,518	0	10,394	10,394	8.6
9. Marikina	105,535	18,090	123,625	100.0	0.0	105,535	0	18,090	18,090	14.6
10. Muntinlupa	89,985	83,225	173,211	92.2	7.8	82,966	7,019	83,225	90,244	52.1
11. Navotas	55,853	4,737	60,590	99.4	0.6	55,550	313	4,737	5,050	8.3
12. Paranaque	158,744	56,320	215,064	98.9	1.1	156,976	1,768	56,320	58,088	27.0
13. Pasig	161,455	115,717	277,172	99.8	0.2	161,199	256	115,717	115,973	41.8
14. Pateros	13,229	5,346	18,575	100.0	0.0	13,229	0	5,346	5,346	28.8
15. San Juan	64,133	1,888	66,020	100.0	0.0	64,133	0	1,888	1,888	2.9
16. Taguig	69,925	86,909	156,834	98.8	1.2	69,078	847	86,909	87,756	56.0
17. Valenzuela	101,024	63,311	164,335	99.1	0.9	100,075	949	63,311	64,260	39.1
II. CAVITE	144,680	44,868	189,548	41.3	58.7	59,719	84,961	44,868	129,829	68.5
1. Bacoor	59,874	9,140	69,014	87.4	12.6	52,318	7,556	9,140	16,696	24.2
2. Cavite City	28,461	7,781	36,242	0.0	100.0	0	28,461	7,781	36,242	100.0
3. Imus	23,527	10,346	33,873	0.0	100.0	0	23,527	10,346	33,873	100.0
4. Kawit	18,502	603	19,105	40.0	60.0	7,401	11,101	603	11,704	61.3
5. Noveleta	5,742	1,284	7,027	0.0	100.0	0	5,742	1,284	7,027	100.0
6. Rosario	8,573	15,715	24,288	0.0	100.0	0	8,573	15,715	24,288	100.0
III. RIZAL	204,739	193,711	398,449	48.7	51.3	99,731	105,008	193,711	298,718	75.0
1. Angono	12,701	2,592	15,293	100.0	0.0	12,701	0	2,592	2,592	16.9
2. Antipolo	39,332	51,175	90,506	21.8	78.2	8,572	30,760	51,175	81,934	90.5
3. Baras	642	708	1,350	0.0	100.0	0	642	708	1,350	100.0
4. Binangonan	25,501	5,671	31,172	0.0	100.0	0	25,501	5,671	31,172	100.0
5. Cainta	48,686	73,627	122,313	88.1	11.9	42,900	5,786	73,627	79,413	64.9
6. Cardona	1,347	1,188	2,535	0.0	100.0	0	1,347	1,188	2,535	100.0
7. Jala-Jala	911	638	1,549	0.0	100.0	0	911	638	1,549	100.0
8. Montalban	10,188	8,936	19,124	34.4	65.6	3,504	6,684	8,936	15,520	81.7
9. Morong	2,833	1,290	4,123	0.0	100.0	0	2,833	1,290	4,123	100.0
10. Pililla	3,462	1,356	4,818	0.0	100.0	0	3,462	1,356	4,818	100.0
11. San Mateo	14,124	7,833	21,958	42.4	57.6	5,994	8,130	7,833	15,963	72.7
12. Tanay	9,425	2,662	12,087	0.0	100.0	0	9,425	2,662	12,087	100.0
13. Taytay	33,754	35,304	69,058	77.2	22.8	26,059	7,695	35,304	42,999	62.3
14. Teresa	1,832	730	2,562	0.0	100.0	0	1,832	730	2,562	100.0
TOTAL	3,661,148	950,493	4,611,641	93.6	6.4	3,426,281	234,867	950,493	1,185,360	25.7

TABLE 13.3.4 DISTRIBUTION OF WATER DEMAND IN 2010, BY SOURCE

CITY/ MUNICIPALITY	WATER DEMAND (M3/D)			HWSS BREAKDOWN (%)		HWSS BREAKDOWN (M3/D)		PRIVATE GROUND- WATER	GROUND- WATER TOTAL	G.W. SHARE (%)
	HWSS	PRIVATE	TOTAL	SURFACE WATER	GROUND- WATER	SURFACE WATER	GROUND- WATER			
I. MCR	3,740,899	753,685	4,494,583	98.8	1.2	3,696,001	44,898	753,685	798,583	17.8
1. Manila	804,366	27,359	831,725	100.0	0.0	804,366	0	27,359	27,359	3.3
2. Pasay City	153,165	16,736	169,901	96.7	3.3	148,083	5,082	16,736	21,818	12.8
3. Quezon City	852,444	82,662	935,106	97.9	2.1	834,118	18,326	82,662	100,988	10.8
4. Calookan City	277,565	27,960	305,524	100.0	0.0	277,565	0	27,960	27,960	9.2
5. Las Pinas	179,932	69,889	249,821	99.0	1.0	178,198	1,734	69,889	71,623	28.7
6. Makati	302,437	21,036	323,473	97.6	2.4	295,077	7,360	21,036	28,396	8.8
7. Malabon	114,113	22,979	137,092	98.9	1.1	112,869	1,244	22,979	24,223	17.7
8. Mandaluyong	122,989	10,456	133,445	100.0	0.0	122,989	0	10,456	10,456	7.8
9. Marikina	117,556	20,112	137,668	100.0	0.0	117,556	0	20,112	20,112	14.6
10. Muntinlupa	106,746	94,265	201,011	93.4	6.6	99,727	7,019	94,265	101,284	50.4
11. Navotas	61,692	4,787	66,479	99.5	0.5	61,379	313	4,787	5,100	7.7
12. Paranaque	166,529	61,722	228,251	98.9	1.1	164,761	1,768	61,722	63,490	27.8
13. Pasig	181,869	129,728	311,595	99.9	0.1	181,613	256	129,728	129,982	41.7
14. Pateros	16,376	4,600	20,975	100.0	0.0	16,376	0	4,600	4,600	21.9
15. San Juan	67,826	1,880	69,706	100.0	0.0	67,826	0	1,880	1,880	2.7
16. Taguig	88,247	90,416	178,664	99.0	1.0	87,400	847	90,416	91,263	51.1
17. Valenzuela	127,045	67,101	194,147	99.3	0.7	126,096	949	67,101	68,050	35.1
II. CAVITE	178,439	41,718	220,157	41.8	58.2	74,549	103,890	41,718	145,608	66.1
1. Bacoor	71,216	10,799	82,015	89.4	10.6	63,660	7,556	10,799	18,355	22.4
2. Cavite City	32,500	7,310	39,810	0.0	100.0	0	32,500	7,310	39,810	100.0
3. Iba	33,381	6,818	40,199	0.0	100.0	0	33,381	6,818	40,199	100.0
4. Kawit	21,778	0	21,778	50.0	50.0	10,889	10,889	0	10,889	50.0
5. Noveleta	7,289	816	8,105	0.0	100.0	0	7,289	816	8,105	100.0
6. Rosario	12,275	15,975	28,250	0.0	100.0	0	12,275	15,975	28,250	100.0
III. RIZAL	283,791	202,608	486,399	53.7	46.3	152,420	131,371	202,608	333,979	68.7
1. Angono	19,296	2,516	21,812	100.0	0.0	19,296	0	2,516	2,516	11.5
2. Antipolo	53,929	55,380	109,309	33.7	66.3	18,149	35,780	55,380	91,160	83.4
3. Baras	1,165	731	1,896	0.0	100.0	0	1,165	731	1,896	100.0
4. Binangonan	36,874	5,250	42,124	0.0	100.0	0	36,874	5,250	42,124	100.0
5. Cainta	66,270	78,127	144,397	91.3	8.7	60,484	5,786	78,127	83,913	58.1
6. Cardona	1,825	1,178	3,003	0.0	100.0	0	1,825	1,178	3,003	100.0
7. Jala-Jala	1,646	632	2,278	0.0	100.0	0	1,646	632	2,278	100.0
8. Montalban	12,542	9,318	21,860	46.7	53.3	5,858	6,684	9,318	16,002	73.2
9. Morong	4,076	1,318	5,394	0.0	100.0	0	4,076	1,318	5,394	100.0
10. Pililla	5,108	1,324	6,432	0.0	100.0	0	5,108	1,324	6,432	100.0
11. San Mateo	19,954	7,193	27,147	59.3	40.7	11,824	8,130	7,193	15,323	56.4
12. Tanay	13,968	2,574	16,542	0.0	100.0	0	13,968	2,574	16,542	100.0
13. Taytay	44,504	36,380	80,884	82.7	17.3	36,809	7,695	36,380	44,075	54.5
14. Teresa	2,634	686	3,320	0.0	100.0	0	2,634	686	3,320	100.0
TOTAL	4,203,129	998,010	5,201,139	93.3	6.7	3,922,970	280,159	998,010	1,278,170	24.6

TABLE 13.3.5 ANALYSIS ON WATER SUPPLY AND SUPPLY CAPACITY

YEAR	MWSS WATER DEMAND (M ³ /D)		MWSS PRODUCTION FROM SURFACE WATER (M ³ /D)				EXCESS IN PRODUCTION (M ³ /D)	REQUIRED GROUNDWATER SUPPLY (M ³ /D)			
	TOTAL	W/I CDS	LOSS (%)	EXISTING	(ON-GOING)	WAWA		UMIRAY	TOTAL	MWSS	PRIVATE
1995	2,741,584	2,646,504	35.0	2,234,700	-	-	2,234,700	(411,804)	161,015	873,839	1,134,854
1996	2,854,449	2,761,986	34.0	2,234,700	1,231,200	-	3,465,900	703,914	169,183	862,975	1,132,157
1997	2,967,314	2,877,467	33.0	2,234,700	1,231,200	68,400	3,534,300	656,833	177,351	852,110	1,129,461
1998	3,080,178	2,992,949	32.0	2,234,700	1,231,200	68,400	4,273,000	1,280,051	185,518	841,246	1,126,764
1999	3,193,043	3,108,430	31.0	2,234,700	1,231,200	68,400	4,273,000	1,164,570	193,686	930,381	1,124,068
2000	3,305,908	3,223,912	30.0	2,234,700	1,231,200	68,400	4,273,000	1,049,088	201,854	919,517	1,121,371
2005	3,661,148	3,546,890	25.0	2,234,700	1,231,200	68,400	4,273,000	724,110	234,867	950,493	1,185,360
2010	4,203,129	4,050,388	25.0	2,234,700	1,231,200	68,400	4,273,000	222,612	280,169	998,010	1,278,169

WATER PRODUCTION:

1. EXISTING; actual average production in last 5 years: 2,352,364 M³/D
actual production loss in MWSS in 1990; 1.5%
assumed production loss in the future: 5%
 $2,352,364 \times 95\% = 2,234,746$
2. ANGAT; AWSOP 15CWS x 95% (production loss: 5%)
3. WAWA; MWESP 72MED x 95% (production loss: 5%)
4. UMIRAY; UATP 9CWS x 95% (production loss: 5%)
5. Demand for MWSS in Angono and Taytay is assumed to be supplied with surface water through RWSP.

TABLE 13.4-1 WSS COMMERCIAL CONSUMPTION PROJECTION (SCENARIO 2)

CITY/MUNICIPALITY	1990 ESTIMATED CONSUMPTION						1995			2000			2005			2010		
	TOTAL Q'TY (M3/DAY)	% IN SHARE	WSS SHARE (%)	PRIV. SHARE (%)	TOTAL Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	PRIVATE Q'TY (M3/D)	TOTAL Q'TY (M3/D)	PRIVATE Q'TY (M3/D)
I. MCE	434,665	96.4	78.5	21.5	550,461	448,632	101,829	611,952	561,191	110,761	782,069	681,308	110,761	913,196	802,434	110,761		
1. Manila *	136,183	30.2	46.6	3.4	172,452	157,397	4,665	219,526	203,861	4,665	248,160	243,494	4,665	285,109	281,444	4,665		
2. Pasay City *	25,338	5.5	65.3	34.7	32,088	23,203	8,795	39,170	30,375	8,795	46,172	37,377	8,795	53,233	44,438	8,795		
3. Quezon City *	113,581	25.3	75.7	24.3	144,346	116,795	27,641	176,204	148,563	27,641	207,702	180,061	27,641	239,464	211,824	27,641		
4. Caloocan City *	15,083	3.3	75.6	24.4	19,107	15,433	3,674	23,324	19,650	3,674	27,494	23,820	3,674	31,698	28,024	3,674		
5. Las Pinas	4,299	1.0	14.4	85.6	5,444	4,958	6,548	8,989	8,989	0	7,833	2,147	5,686	9,031	3,345	5,686		
6. Makati *	59,269	13.1	80.2	19.8	75,068	63,327	11,721	91,624	79,903	11,721	108,003	96,282	11,721	124,513	112,798	11,721		
7. Malabon *	5,324	1.2	51.4	38.6	6,618	4,680	2,016	8,076	6,080	2,016	9,519	7,564	2,016	10,375	8,959	2,016		
8. Muntinlupa *	13,338	3.0	84.0	16.0	16,881	14,763	2,128	20,520	18,491	2,128	24,305	22,177	2,128	28,022	25,894	2,128		
9. Marikina	5,280	1.2	73.5	26.5	6,687	4,914	1,773	8,163	5,999	2,164	9,622	7,458	2,164	11,094	8,930	2,164		
10. Muntinlupa	8,308	1.8	0.9	99.1	10,521	99	10,423	12,843	120	12,723	15,139	2,416	12,723	17,454	4,731	12,723		
11. Navotas *	2,655	0.6	78.6	23.4	3,383	2,742	621	4,105	3,484	621	4,839	4,218	621	5,578	4,958	621		
12. Paranaque	11,624	2.6	57.7	42.3	14,720	8,497	6,223	17,963	10,372	7,591	21,181	13,584	7,597	24,420	15,623	7,597		
13. Pasig	18,004	3.5	58.4	41.6	20,268	11,836	8,431	24,741	14,448	10,292	29,163	18,871	10,292	33,623	23,331	10,292		
14. Patroes	56	0.0	100.0	0.0	71	0	66	86	0	86	0	102	0	112	112	0		
15. San Juan *	8,289	1.8	98.8	1.2	10,510	10,412	97	12,828	12,732	97	15,122	15,025	97	17,435	17,338	97		
16. Taguig	4,016	0.9	9.0	91.0	5,086	487	4,629	6,208	558	5,650	7,338	1,668	8,437	2,787	5,650			
17. Valenzuela	5,705	1.3	40.0	60.0	7,224	2,890	4,335	8,819	3,528	5,291	10,395	5,104	5,291	11,985	6,694	5,291		
III. CAVITE	6,399	1.4	19.1	80.9	8,193	1,550	6,554	9,892	1,882	8,000	11,660	3,660	8,000	13,443	5,443	8,000		
1. Bacoor	971	0.2	27.6	72.4	1,230	340	890	1,502	415	1,087	1,770	683	1,087	2,041	954	1,087		
2. Cavite City	4,207	0.9	17.3	82.7	5,327	951	4,406	5,809	1,124	4,685	7,666	2,287	4,685	8,838	3,453	5,379		
3. Imus	709	0.2	9.1	90.9	898	82	816	1,096	160	936	1,232	296	936	1,490	694	936		
4. Imbit	122	0.0	100.0	0.0	155	155	0	193	193	0	222	222	0	256	256	0		
5. Mariketa	5	0.0	100.0	0.0	6	6	0	8	8	0	9	9	0	10	10	0		
6. Rosario	385	0.1	9.5	90.5	481	48	441	595	55	538	701	163	538	808	270	538		
III. RIZAL	9,983	2.2	15.5	83.5	15,668	5,109	10,559	20,285	7,396	12,889	26,513	10,420	16,192	31,370	13,854	17,517		
1. Angono	-	-	-	-	523	523	0	1,028	1,028	0	1,585	1,585	0	2,217	2,217	0		
2. Antipolo	3,367	0.7	17.9	82.1	4,264	765	3,499	5,205	934	4,271	6,136	1,901	5,035	7,074	1,259	5,805		
3. Baras	-	-	-	-	25	25	0	39	39	0	80	80	0	140	140	0		
4. Binangonan	-	-	-	-	1,402	1,402	0	2,189	2,189	0	3,183	3,183	0	4,427	4,427	0		
5. Calamba	3,622	0.8	12.4	87.6	4,587	569	4,018	5,600	695	4,905	6,601	819	5,782	7,610	944	6,667		
6. Cardona	-	-	-	-	98	98	0	128	128	0	188	188	0	219	219	0		
7. Jala-Jala	-	-	-	-	15	15	0	54	54	0	114	114	0	138	138	0		
8. Marikina	886	0.2	4.7	95.3	1,122	53	1,069	1,379	64	1,305	1,614	76	1,305	1,661	87	1,774		
9. Noron	-	-	-	-	191	191	0	251	251	0	354	354	0	489	489	0		
10. Pililla	-	-	-	-	141	141	0	232	232	0	324	324	0	432	432	0		
11. San Mateo	376	0.1	32.2	67.8	729	235	494	890	287	603	1,049	338	711	1,209	390	819		
12. Tanay	-	-	-	-	434	434	0	585	585	0	785	785	0	1,076	1,076	0		
13. Taytay	1,532	0.3	23.8	76.2	1,941	462	1,478	2,369	565	1,804	2,732	665	2,127	3,219	767	2,452		
14. Teresa	-	-	-	-	95	95	0	138	138	0	229	229	0	316	316	0		
TOTAL	451,047	100.0	76.3	23.7	574,242	455,391	118,841	702,123	570,478	131,645	829,242	696,287	132,955	968,009	821,731	136,278		

* Future demand increase was assumed to be shouldered by WSS only.

TABLE 13.4.2 WSS INDUSTRIAL CONSUMPTION PROJECTION (SCENARIO 2)

CITY/MUNICIPALITY	1990 ESTIMATED CONSUMPTION						1995			2000			2005			2010		
	TOTAL QTY (M3/DAY)	% IN SHARE	WSS (%)	PRIV. SHARE (%)	TOTAL QTY (M3/D)	PRIVATE QTY (M3/D)	WSS (%)	PRIVATE QTY (M3/D)	TOTAL QTY (M3/D)	PRIVATE QTY (M3/D)	WSS (%)	PRIVATE QTY (M3/D)	TOTAL QTY (M3/D)	PRIVATE QTY (M3/D)	WSS (%)	PRIVATE QTY (M3/D)	TOTAL QTY (M3/D)	PRIVATE QTY (M3/D)
I. NCR	352,048	82.4	22.5	77.5	437,871	118,331	324,540	515,868	146,218	369,650	588,825	219,175	369,650	859,386	289,736	369,650		
1. Manila *	23,493	5.3	75.3	24.7	28,304	22,519	5,786	33,346	27,560	5,786	38,062	32,276	5,786	42,623	36,837	5,786		
2. Pasay City *	4,293	1.0	21.4	78.6	5,192	1,817	3,375	6,116	2,742	3,375	6,961	3,607	3,354	7,818	4,443	3,375		
3. Quezon City *	51,708	11.8	37.4	62.6	62,538	30,170	32,368	73,677	41,310	32,368	84,097	51,730	32,368	94,175	61,807	32,368		
4. Caloocan City *	13,823	3.2	66.3	33.5	19,839	12,175	7,664	19,839	15,174	4,665	22,644	17,969	4,675	25,358	20,693	4,665		
5. Las Pinas	21,115	4.8	0.7	99.3	25,537	159	25,348	30,086	222	29,863	34,341	4,477	29,863	34,456	4,593	29,863		
6. Makati *	8,041	1.8	57.9	42.1	9,725	6,342	3,383	11,468	8,074	3,394	13,008	9,694	3,314	14,645	11,282	3,363		
7. Malabon *	20,537	4.7	25.1	70.9	24,833	10,273	14,560	29,263	14,698	14,565	33,401	18,836	14,565	37,404	22,839	14,565		
8. Mandaluyong *	13,151	3.0	59.3	40.7	15,906	10,553	5,353	19,739	13,385	6,354	21,389	16,036	5,354	23,952	18,599	5,353		
9. Marikina	8,239	1.9	17.1	82.9	9,965	1,701	8,264	11,739	2,004	9,736	13,409	3,664	9,736	13,005	3,269	9,736		
10. Muntinlupa	34,360	7.3	0.2	99.8	41,556	97	41,459	48,958	114	48,844	55,882	7,038	48,844	52,578	13,734	48,844		
11. Navotas *	3,762	0.9	53.8	46.2	4,550	2,811	1,739	5,300	3,821	1,479	6,820	4,379	1,479	8,322	5,112	1,739		
12. Parañaque	19,370	4.4	6.7	91.3	23,427	2,031	21,396	27,600	2,393	25,207	31,503	6,296	25,207	35,478	10,071	25,207		
13. Pasig	68,156	15.5	11.9	88.1	82,430	9,770	72,659	97,113	11,511	85,602	110,847	25,245	85,602	124,130	38,523	85,602		
14. Pateros	1,760	0.4	0.2	99.8	2,128	4	2,124	2,597	5	2,592	2,862	369	2,592	3,205	703	2,592		
15. San Juan *	1,259	0.3	95.3	4.7	1,522	1,463	59	1,794	1,735	59	2,047	1,988	59	2,234	2,234	59		
16. Taguig	41,208	9.4	0.0	100.0	49,838	11	49,826	58,715	13	58,702	67,019	8,317	58,702	75,050	16,348	58,702		
17. Valenzuela	27,763	6.3	4.2	95.8	33,577	1,406	32,171	39,558	1,656	37,902	45,153	7,251	37,902	50,564	12,662	37,902		
III. CAVITE	7,037	1.6	16.3	83.7	8,511	1,389	7,122	10,027	1,637	8,391	11,445	3,055	8,391	12,817	4,426	8,391		
1. Bacoor	70	0.0	100.0	0.0	85	85	0	100	180	0	114	114	0	128	128	0		
2. Cavite City	238	0.1	100.0	0.0	288	288	0	339	339	0	387	387	0	433	433	0		
3. Imus	538	0.1	1.3	98.7	650	9	641	766	10	756	874	119	756	879	223	756		
4. Kawit	574	0.1	100.0	0.0	634	634	0	818	818	0	934	934	0	1,045	1,045	0		
5. Noveleta	88	0.0	100.0	0.0	107	107	0	126	126	0	143	143	0	161	161	0		
6. Rosario	5,530	1.3	3.1	96.9	6,688	207	6,481	7,879	244	7,635	8,933	1,298	7,635	10,671	2,436	7,635		
III. RIZAL	70,308	16.0	2.8	97.2	90,479	3,347	87,131	108,913	5,440	103,472	121,524	9,149	118,375	146,764	14,834	131,930		
11. Angono	-	-	-	-	1,121	136	985	1,850	555	1,295	2,854	1,284	1,570	4,170	2,582	1,588		
12. Antipolo	13,758	3.1	12.3	87.1	16,688	2,145	14,543	19,661	2,527	17,134	22,441	2,884	19,657	25,130	3,230	21,901		
13. Baras	-	-	-	-	46	8	38	68	20	48	144	55	19	252	151	101		
14. Binangonan	-	-	-	-	2,523	442	2,081	3,924	1,177	2,747	5,725	2,578	3,151	7,958	4,781	3,187		
15. Calamba	36,221	8.2	0.1	99.9	43,907	58	43,748	51,510	68	51,541	59,909	78	58,831	65,968	68	65,880		
16. Cardona	-	-	-	-	177	31	146	227	68	159	303	135	167	395	237	158		
17. Jala-Jala	-	-	-	-	27	5	22	37	29	8	204	92	112	355	213	142		
18. Marikina	2,958	0.7	0.6	99.4	3,536	21	3,515	4,215	24	4,191	4,811	28	4,784	5,588	31	5,357		
19. Morong	-	-	-	-	344	60	284	451	135	316	636	286	350	881	529	352		
20. Pililla	-	-	-	-	253	44	209	417	125	292	778	350	428	1,104	662	442		
21. San Mateo	558	0.1	8.3	91.7	785	66	730	938	78	860	1,071	85	962	1,199	100	1,099		
22. Tanay	-	-	-	-	782	137	645	1,413	424	989	2,118	953	1,165	3,019	1,811	1,208		
23. Taytay	16,572	3.8	0.5	99.5	20,164	105	20,059	23,756	124	23,632	27,118	141	26,975	30,565	158	30,207		
24. Teresa	-	-	-	-	173	30	143	266	86	200	411	185	226	570	342	228		
TOTAL	439,394	100.0	19.2	80.8	535,861	118,068	418,793	634,808	153,295	481,513	727,795	231,379	496,416	818,967	308,936	509,971		

* Future demand increase was assumed to be shouldered by WSS only.

TABLE 13.4.3. MWSS COMMERCIAL CONSUMPTION PROJECTION (SCENARIO 3)

CITY/MUNICIPALITY	1990 ESTIMATED CONSUMPTION						1995			2000			2005			2010			
	TOTAL QTY (MG/DAY)	% IN SHARE	MWSS SHARE (%)	PRIV. SHARE (%)	TOTAL QTY (MG/D)	MWSS QTY (MG/D)	PRIVATE QTY (MG/D)	TOTAL QTY (MG/D)	MWSS QTY (MG/D)	PRIVATE QTY (MG/D)	TOTAL QTY (MG/D)	MWSS QTY (MG/D)	PRIVATE QTY (MG/D)	TOTAL QTY (MG/D)	MWSS QTY (MG/D)	PRIVATE QTY (MG/D)	TOTAL QTY (MG/D)	MWSS QTY (MG/D)	PRIVATE QTY (MG/D)
I. MCR	434,665	36.4	78.5	21.5	650,461	448,632	101,829	671,952	570,123	101,829	732,065	630,240	101,825	913,195	811,367	101,828	286,109	281,444	4,665
1. Manila *	136,185	30.2	95.6	3.4	172,462	167,797	4,665	210,526	205,861	4,665	249,160	243,494	4,665	313,195	311,367	1,828	286,109	281,444	4,665
2. Pasay City *	26,338	5.6	65.3	34.7	32,088	21,243	8,795	39,170	30,715	8,795	46,172	37,377	8,795	53,233	44,438	8,795	53,233	44,438	8,795
3. Quezon City *	113,981	25.3	75.7	24.3	144,746	115,705	27,641	176,204	148,563	27,641	207,702	180,051	27,641	239,464	211,824	27,641	239,464	211,824	27,641
4. Caloocan City *	15,088	3.3	75.5	24.4	19,107	15,433	3,674	23,324	19,650	3,674	27,494	23,820	3,674	31,638	28,024	3,614	31,638	28,024	3,614
5. Las Piñas	4,299	1.0	14.4	85.6	5,444	788	4,658	6,616	1,987	4,658	7,833	3,175	4,658	9,031	4,373	4,658	9,031	4,373	4,658
6. Malabon *	59,659	13.1	80.2	19.8	75,058	63,337	11,721	91,824	79,903	11,721	108,903	96,232	11,721	124,519	112,738	11,781	124,519	112,738	11,781
7. Marikina *	5,224	1.2	61.4	38.6	6,616	4,590	2,015	8,076	5,960	2,015	9,519	7,504	2,015	10,975	8,959	2,016	10,975	8,959	2,016
8. Muntinlupa *	13,138	3.0	84.0	16.0	16,891	14,763	2,128	20,820	18,491	2,128	24,305	22,177	2,128	28,022	25,894	2,128	28,022	25,894	2,128
9. Marikina	5,280	1.2	73.5	26.5	6,687	4,914	1,773	8,163	5,390	1,773	9,522	7,850	1,773	11,094	9,321	1,773	11,094	9,321	1,773
10. Muntinlupa	8,708	1.8	69.1	30.9	10,521	99	10,423	12,843	2,421	10,423	15,139	4,717	10,423	17,454	7,032	10,423	17,454	7,032	10,423
11. Navotas *	2,855	0.6	76.6	23.4	3,563	2,742	621	4,105	3,484	621	4,833	4,218	621	5,573	4,958	621	5,573	4,958	621
12. Parañaque	11,824	2.6	57.7	42.3	14,720	8,497	6,223	17,959	11,746	6,223	21,181	14,958	6,223	24,420	18,197	6,223	24,420	18,197	6,223
13. Pasig	16,004	3.5	58.4	41.6	20,258	11,636	8,431	24,741	16,309	8,431	29,163	20,732	8,431	33,623	25,192	8,431	33,623	25,192	8,431
14. Patute	56	0.0	100.0	0.0	71	71	0	86	86	0	102	102	0	117	117	0	117	117	0
15. San Juan *	8,239	1.8	98.8	1.2	10,510	10,412	97	12,829	12,732	97	15,128	15,025	97	17,435	17,333	97	17,435	17,333	97
16. Taguig	4,916	0.9	91.0	9.0	5,086	4,571	4,653	6,205	1,930	4,623	7,313	2,689	4,623	8,437	3,809	4,623	8,437	3,809	4,623
17. Valenzuela	5,708	1.3	40.0	60.0	7,224	2,890	4,335	8,819	4,484	4,335	10,395	6,061	4,335	11,985	7,650	4,335	11,985	7,650	4,335
III. CALTE	6,899	1.4	19.1	80.9	8,103	1,550	6,554	9,892	3,332	6,554	11,660	5,106	6,554	13,443	6,889	6,554	13,443	6,889	6,554
1. Bacoor	971	0.2	27.6	72.4	1,230	340	890	1,502	611	890	1,779	890	890	2,041	1,150	890	2,041	1,150	890
2. Cavite City	4,207	0.9	17.3	82.7	5,327	921	4,406	6,503	2,097	4,406	7,666	3,259	4,406	8,838	4,431	4,406	8,838	4,431	4,406
3. Imus	709	0.2	9.1	90.9	898	82	816	1,086	280	816	1,298	478	816	1,490	874	816	1,490	874	816
4. Navit	122	0.0	100.0	0.0	155	155	0	189	189	0	222	222	0	256	256	0	256	256	0
5. Noveleta	5	0.0	100.0	0.0	6	6	0	8	8	0	9	9	0	10	10	0	10	10	0
6. Rosario	385	0.1	9.5	90.5	437	16	441	595	154	441	701	260	441	808	367	441	808	367	441
III. RIZAL	9,983	2.2	16.5	83.5	15,668	5,109	10,559	20,285	7,395	12,889	25,513	10,320	15,193	31,370	13,854	17,517	31,370	13,854	17,517
1. Angono	3,367	0.7	17.3	82.7	4,264	765	3,499	5,205	1,928	3,499	6,136	1,101	5,035	7,074	1,269	5,805	7,074	1,269	5,805
2. Antipolo	1,402	0.3	12.4	87.6	1,802	398	1,404	2,160	695	1,404	2,555	1,151	1,404	1,802	427	1,404	1,802	427	1,404
3. Baras	1,402	0.3	12.4	87.6	1,802	398	1,404	2,160	695	1,404	2,555	1,151	1,404	1,802	427	1,404	1,802	427	1,404
4. Binangonan	3,622	0.8	12.4	87.6	4,587	569	4,018	5,600	695	4,305	6,501	819	5,782	7,610	944	6,667	7,610	944	6,667
5. Calamba	38	0.0	100.0	0.0	48	48	0	58	58	0	68	68	0	78	78	0	78	78	0
6. Cardona	15	0.0	100.0	0.0	19	19	0	23	23	0	28	28	0	33	33	0	33	33	0
7. Jala-Jala	15	0.0	100.0	0.0	19	19	0	23	23	0	28	28	0	33	33	0	33	33	0
8. Montalban	885	0.2	4.7	95.3	1,122	53	1,069	1,370	64	1,305	1,614	76	1,539	1,851	87	1,774	1,851	87	1,774
9. Morong	191	0.0	100.0	0.0	239	239	0	293	293	0	354	354	0	408	408	0	408	408	0
10. Plaridel	141	0.0	100.0	0.0	176	176	0	215	215	0	262	262	0	310	310	0	310	310	0
11. San Mateo	576	0.1	32.2	67.8	729	235	494	830	287	503	1,045	333	701	1,209	390	819	1,209	390	819
12. Tamy	434	0.0	100.0	0.0	534	534	0	643	643	0	785	785	0	942	942	0	942	942	0
13. Taytay	1,532	0.3	23.8	76.2	1,941	462	1,478	2,365	565	1,804	2,934	665	2,127	3,213	767	2,446	3,213	767	2,446
14. Teresa	96	0.0	100.0	0.0	119	119	0	146	146	0	179	179	0	216	216	0	216	216	0
TOTAL	451,447	100.0	76.3	23.7	574,332	455,251	119,081	702,129	580,857	121,272	829,242	705,666	123,576	968,005	832,110	135,895	968,005	832,110	135,895

* Future demand increase was assumed to be shouldered by MWSS only.

TABLE 13.4.4. WSS INDUSTRIAL CONSUMPTION PROJECTION (SCENARIO 1)

CITY/MUNICIPALITY	1990 ESTIMATED CONSUMPTION						1995			2000			2005			2010		
	TOTAL CITY (M3/DAY)	% IN TOTAL	WSS SEARR (%)	PRIV. SEARR (%)	TOTAL QTY (M3/D)	WSS QTY (M3/D)	PRIVATE QTY (M3/D)	TOTAL QTY (M3/D)	WSS QTY (M3/D)	PRIVATE QTY (M3/D)	TOTAL QTY (M3/D)	WSS QTY (M3/D)	PRIVATE QTY (M3/D)	TOTAL QTY (M3/D)	WSS QTY (M3/D)	PRIVATE QTY (M3/D)		
																	WSS (%)	PRIV. (%)
I. WCE	362,048	82.4	22.5	77.5	437,871	113,331	324,540	515,868	191,328	324,540	586,925	254,295	324,540	659,386	334,846	324,540		
1. Manila *	23,403	6.3	75.3	24.7	28,304	22,519	5,786	31,346	27,560	5,786	38,062	32,276	5,786	42,823	36,837	5,786		
2. Pasay City *	4,293	1.0	21.4	78.6	5,192	1,817	3,375	6,116	2,742	3,375	6,981	3,607	3,375	7,818	4,443	3,375		
3. Quezon City *	51,708	11.8	37.4	62.6	62,538	30,170	32,368	73,577	41,310	32,368	84,097	51,730	32,368	94,175	61,807	32,368		
4. Caloocan City *	13,923	3.2	66.5	33.5	16,839	12,175	4,665	19,939	15,174	4,665	22,644	17,980	4,665	25,358	20,593	4,665		
5. Las Pinas	21,115	4.8	0.7	99.3	25,537	189	25,348	30,086	4,738	25,348	34,341	8,998	25,348	39,455	19,108	24,348		
6. Makati *	8,041	1.8	57.9	42.1	9,725	6,342	3,383	11,458	8,074	3,383	13,078	9,694	3,383	14,645	11,262	3,383		
7. Malabon *	20,537	4.7	29.1	70.9	24,838	10,273	14,565	29,263	14,688	14,565	33,401	19,858	14,565	37,404	22,833	14,565		
8. Mandaluyong *	13,151	3.0	59.3	40.7	15,905	9,477	6,428	18,739	13,386	5,353	21,389	16,036	5,353	23,352	18,599	5,353		
9. Marikina	8,239	1.9	17.1	82.9	9,965	1,701	8,264	11,739	3,476	8,264	13,400	5,136	8,264	15,005	6,742	8,264		
10. Muntinlupa	34,360	7.8	0.2	99.8	41,558	97	41,461	48,958	7,497	41,461	55,882	14,423	41,461	62,578	21,119	41,461		
11. Navotas *	3,762	0.9	53.8	46.2	4,559	2,811	1,739	5,360	3,621	1,739	6,118	4,379	1,739	6,852	5,112	1,739		
12. Paranaque	19,370	4.4	8.7	91.3	23,427	2,031	21,396	27,800	6,204	21,396	31,509	10,107	21,396	35,278	13,883	21,396		
13. Pasig	69,158	15.5	11.9	88.1	82,430	9,770	72,659	97,113	24,453	72,659	110,847	38,188	72,659	124,130	51,471	72,659		
14. Pateros	1,760	0.4	0.2	99.8	2,128	4	2,124	2,507	381	2,124	2,682	738	2,124	3,205	1,081	2,124		
15. San Juan *	1,259	0.3	95.3	4.7	1,322	1,463	59	1,794	1,355	59	2,047	1,988	59	2,293	2,234	59		
16. Taguig	41,209	9.4	0.0	100.0	49,838	11	49,826	58,715	8,889	49,826	67,019	17,193	49,826	75,050	25,224	49,826		
17. Valenzuela	21,763	5.3	4.2	95.8	33,577	1,406	32,171	39,858	7,387	32,171	45,153	12,981	32,171	50,564	18,392	32,171		
III. GAVITE	7,027	1.6	16.3	83.7	8,511	1,393	7,122	10,027	2,905	7,122	11,445	4,323	7,122	12,817	5,695	7,122		
1. Bacoor	70	0.0	100.0	0.0	85	85	0	100	100	0	114	114	0	128	128	0		
2. Cavite City	238	0.1	100.0	0.0	283	283	0	339	339	0	387	387	0	433	433	0		
3. Imus	528	0.1	1.3	98.7	650	9	641	766	125	641	874	233	641	979	338	641		
4. Navit	88	0.0	100.0	0.0	694	694	0	818	818	0	934	934	0	1,045	1,045	0		
5. Noveleta	88	0.0	100.0	0.0	107	107	0	126	126	0	143	143	0	161	161	0		
6. Rosario	5,530	1.3	3.1	96.9	6,688	207	6,481	7,879	1,398	6,481	8,993	2,513	6,481	10,071	3,590	6,481		
III. MZAL	70,308	16.0	2.8	97.2	90,479	3,347	87,131	108,913	5,440	103,472	127,524	9,149	118,375	146,764	14,834	131,930		
1. Angono	-	-	-	-	1,121	186	925	1,850	555	1,295	2,354	1,284	1,070	4,170	2,502	1,668		
2. Antipolo	13,798	3.1	12.9	87.1	16,688	2,145	14,543	19,661	2,527	17,134	22,441	2,384	19,557	25,130	3,230	21,901		
3. Bacus	-	-	-	-	46	8	38	68	20	48	144	85	79	252	151	101		
4. Binangonan	-	-	-	-	2,523	442	2,081	3,924	1,177	2,747	5,729	2,578	3,151	7,968	4,781	3,187		
5. Calinza	36,221	8.2	0.1	99.9	43,807	58	43,748	51,610	68	51,541	58,909	78	58,831	65,968	88	65,880		
6. Cardona	-	-	-	-	177	31	146	227	68	159	303	136	167	395	247	158		
7. Jala-Jala	-	-	-	-	27	5	22	22	22	58	204	92	112	355	213	142		
8. Montalban	2,958	0.7	0.6	99.4	3,578	21	3,557	4,215	24	4,191	4,811	28	4,784	5,388	31	5,357		
9. Morong	-	-	-	-	344	69	274	316	451	135	451	286	350	529	352	177		
10. Piliilla	-	-	-	-	253	44	209	417	125	292	778	350	428	1,104	662	442		
11. San Mateo	658	0.1	8.3	91.7	795	65	730	938	78	860	1,071	89	982	1,199	1,000	1,999		
12. Tayay	-	-	-	-	782	137	645	1,413	424	989	2,118	583	1,165	3,019	1,811	1,208		
13. Taytay	16,872	3.8	0.5	99.5	20,164	105	20,059	23,756	124	23,632	27,115	141	26,975	30,365	158	30,207		
14. Terresa	-	-	-	-	173	39	134	286	86	200	411	185	228	570	342	228		
TOTAL	438,394	100.0	19.2	80.8	536,981	119,068	418,793	634,806	193,874	455,134	727,735	277,758	450,007	818,867	355,375	463,592		

* Future demand increase was assumed to be shouldered by WSS only.

TABLE 13.4.5 PROJECTED DOMESTIC WATER CONSUMPTION IN 1995 (SCENARIO 4), BY CITY/MUNICIPALITY

CITY/MUNICIPALITY	TOTAL POPULATION (1995)		PER CAPITA CONSUMPTION		DOMESTIC CONSUMPTION (1995)				WWS CONNECTED POPULATION			WWS DOMESTIC CONSUMPTION			PRIVATE DOM. CONSUMPTION			
	TOTAL	GENERAL	GEN'L (LPCD)	HT'D (LPCD)	GENERAL	BLIGHTED	WATER	WATER	WATER	GENERAL	BLIGHTED	TOTAL	GENERAL	BLIGHTED	TOTAL	GENERAL	BLIGHTED	TOTAL
I. REC	8,971,800	7,177,440	1,794,360	132	35	1,279,394	62,803	1,448,197	78	25	57	5,534,187	1,067,798	15,849	1,083,645	311,538	46,554	358,092
CITY OF MANILA	1,666,014	1,412,932	253,082	185	35	262,886	8,959	271,845	94	25	84	1,328,371	247,413	2,415	249,828	15,773	6,644	22,417
QUEZON CITY	1,590,519	1,494,256	96,263	100	35	49,633	4,452	54,085	83	25	85	1,399,638	280,910	3,292	284,202	3,438	3,159	6,597
DAS MARINAS	413,469	360,762	52,707	180	35	112,600	8,552	121,152	63	25	57	431,634	77,694	2,163	79,857	34,906	6,490	41,396
MANILA	409,333	365,916	43,417	210	35	89,231	2,220	91,451	87	25	79	370,347	77,931	555	78,486	40,910	1,384	42,284
MAKAPATI	305,870	243,918	61,952	180	35	41,995	2,380	44,375	58	25	53	160,864	35,272	463	35,735	2,655	1,448	4,103
MARICENA	359,368	293,151	66,217	185	35	37,927	1,931	39,858	93	25	79	195,957	50,611	578	51,189	3,810	1,738	5,548
MUNICIPIO	346,829	276,335	70,494	180	35	49,740	2,167	51,907	32	25	31	89,421	15,311	617	16,928	3,268	1,591	4,758
NAVITAS	207,567	148,500	59,067	180	35	26,730	3,284	30,014	87	25	75	130,580	59,682	326	60,008	8,848	51,160	11,411
PARANQUE	389,370	341,904	47,466	305	35	104,533	3,561	108,094	51	35	50	174,371	37,422	831	38,253	3,708	1,591	5,294
PARIG	466,552	372,715	93,837	185	35	68,833	3,284	72,117	87	25	75	334,262	73,459	326	74,185	8,848	65,337	14,848
PARODOS	58,438	51,620	6,818	180	35	9,280	239	9,519	44	25	42	22,108	1,707	60	4,147	5,282	179	5,461
SAN JUAN	133,478	123,553	9,925	249	35	30,794	3,471	34,265	33	40	89	116,304	28,638	139	28,777	2,156	208	2,364
TAGUIG	311,051	245,956	65,095	180	35	46,072	1,828	47,900	18	25	13	146,012	13,769	632	14,401	3,775	31,779	1,446
VALDEBENGA	432,353	363,932	68,421	180	35	47,611	5,594	53,205	63	25	48	166,330	29,932	1,174	31,106	17,579	4,621	22,900
II. CAVITE	534,043	515,486	18,557	180	35	92,773	652	93,425	40	28	39	205,411	36,374	182	37,156	55,759	471	36,270
BACOR	186,536	183,252	3,284	180	35	34,051	259	34,310	35	25	35	66,432	1,844	68,085	11,924	11,988	23,144	194
GENERAL SA	38,576	36,654	1,922	180	35	17,398	67	17,465	63	54	63	60,932	1,038	61,970	10,961	10,997	6,437	31
LAGUNA	107,162	103,813	3,349	180	35	18,686	117	18,803	28	27	28	29,068	994	29,972	5,232	5,264	13,454	86
NAVIT	55,217	54,555	662	180	35	9,820	23	9,843	62	66	62	32,824	437	34,261	6,032	6,104	3,732	8
NOVATEA	23,325	22,511	814	180	35	4,032	28	4,060	25	25	25	5,138	203	5,341	7	839	3,120	21
RODRIGO	51,127	48,611	2,516	180	35	8,759	158	8,917	21	17	21	10,408	766	10,376	1,837	1,864	6,912	131
III. RIZAL	1,149,330	660,355	488,975	154	34	101,897	16,834	118,731	42	9	28	277,437	45,274	320,711	41,481	48,110	80,326	15,205
ANGONO	55,082	22,085	33,007	141	35	3,115	1,156	4,271	100	0	40	22,025	0	22,025	3,218	0	3,115	0
ANTIPOLLO	281,738	208,674	73,064	138	39	24,797	2,069	26,866	29	23	28	60,319	8,351	478	61,167	8,827	20,446	1,594
BALIS	19,051	893	18,158	141	31	127	558	685	100	0	5	898	0	898	127	0	558	558
BENHAYAN	140,791	49,553	91,238	141	34	7,008	3,109	10,117	100	0	35	49,553	7,008	0	7,008	0	3,109	3,109
CAJUPIT	184,680	131,720	52,960	180	35	23,110	1,158	24,268	23	25	23	30,938	8,233	30,328	5,453	238	864	19,121
CARAGA	35,154	31,485	3,669	141	30	430	366	4,796	100	0	10	3,669	0	3,669	430	0	430	966
LAJUN	17,814	17,497	317	141	31	73	542	615	100	0	3	517	0	517	73	0	542	542
LAGUNA	55,766	58,944	15,022	111	39	6,543	658	7,199	43	40	42	25,446	5,729	32,075	2,813	282	3,723	394
LOS BAÑOS	34,528	6,760	27,768	141	31	355	861	1,616	100	0	20	6,760	355	0	355	0	861	861
LOS BAÑOS	36,137	4,988	31,149	141	32	703	933	1,696	100	0	14	4,988	0	4,988	703	0	703	933
LOS BAÑOS	32,401	50,515	18,114	178	39	8,992	1,834	10,826	42	23	33	21,216	9,634	30,850	3,777	376	4,152	1,258
LOS BAÑOS	65,810	15,347	50,463	141	33	2,170	1,656	3,826	100	0	23	15,347	2,170	0	2,170	0	1,656	1,656
LOS BAÑOS	129,463	103,595	25,868	139	35	18,645	908	19,553	32	26	31	33,147	6,474	39,621	5,668	227	6,193	12,679
LOS BAÑOS	21,507	3,394	18,113	141	32	408	576	1,985	100	0	16	3,394	0	3,394	408	0	480	575
TOTAL	10,655,773	6,351,201	2,302,572	188	35	1,573,975	80,283	1,654,258	73	23	62	6,067,335	1,145,251	17,660	1,162,911	487,784	62,629	450,353

NOTE: 1. Areas with (*) have suppressed demand due to low water pressure, and be expected to be improved by AWSP.
 2. Areas with (**) also have suppressed demand due to low water pressure, and be expected to be improved by RWSP.
 3. Areas with (**) have suppressed demand due to limited water resources, and be expected to be improved by RWSP.
 4. Areas with (**) are merged area under RWSP, and be expected to be improved by RWSP.

TABLE 13.4.6 PROJECTED DOMESTIC WATER CONSUMPTION IN 2000 (SCENARIO 4),
BY CITY/MUNICIPALITY

CITY/MUNICIPALITY	TOTAL POPULATION (2000)			PER CAPITA CONSUMPTION			DOMESTIC CONSUMPTION (2000)			% HWSS CONNECTED			HWSS CONNECTED POPULATION			HWSS DOMESTIC CONSUMPTION			PRIVATE DOMESTIC CONSUMPTION		
	GENERAL	BLIGHTED	WATER	GEN'L (LPCD)	BLIGHTED (LPCD)	WATER	TOTAL (M3/D)	GENERAL (M3/D)	BLIGHTED (M3/D)	WATER	HWSS GEN'L POP.	HWSS BLIGHTED POP.	TOTAL POP.	GENERAL (M3/D)	BLIGHTED (M3/D)	WATER	TOTAL (M3/D)	GENERAL (M3/D)	BLIGHTED (M3/D)	WATER	TOTAL (M3/D)
I. NCR	9,948,377	1,959,182	1,989,795	196	35	1,582,371	89,643	1,652,014	85	55	79	5,747,332	1,094,387	1,841,760	1,322,901	38,304	1,361,204	239,470	31,238	270,810	17,866
CITY OF MANILA	1,705,567	1,441,609	247,958	191	35	276,069	9,029	336,093	85	55	89	1,375,228	141,877	1,517,105	282,265	4,965	267,231	13,803	4,063	17,866	8,795
PASAY CITY *	433,048	296,956	136,092	187	35	55,432	4,353	60,199	88	55	78	261,321	77,651	338,172	48,720	2,620	51,400	6,532	2,143	6,795	2,143
QUEZON CITY *	2,049,017	1,638,682	410,335	192	35	317,355	17,822	328,717	95	55	78	1,556,746	225,584	1,782,422	288,637	7,859	306,536	15,718	6,463	22,181	6,463
CALOOCAN CITY *	979,532	709,283	270,249	187	35	131,280	9,669	140,949	76	55	70	534,438	151,934	686,433	99,772	5,318	195,030	31,587	4,351	35,938	4,351
SAN PETER *	551,808	481,779	70,029	187	35	89,932	2,451	100,383	85	55	52	303,521	38,516	342,037	56,657	1,348	58,005	31,275	1,403	24,378	1,403
MAKATI *	517,361	451,132	66,229	213	35	86,903	2,319	98,432	93	55	88	419,553	36,156	456,309	89,386	1,286	90,653	6,726	1,053	7,779	1,053
BALABON *	328,655	282,182	46,473	187	35	40,978	2,119	43,297	56	55	72	199,411	36,449	235,859	37,223	1,276	38,499	11,755	1,044	12,798	1,044
MANILA NORTH *	282,944	224,499	58,445	187	35	41,906	2,046	43,952	55	55	57	213,274	32,115	245,419	39,811	1,125	40,936	2,095	921	3,016	921
MANILA SOUTH *	105,480	31,059	74,381	190	35	63,052	2,603	65,658	95	55	38	314,544	40,910	355,454	59,500	1,432	61,331	3,153	1,172	4,324	1,172
MANILA WEST *	419,918	334,949	84,989	187	35	82,524	2,974	85,498	61	55	60	204,319	46,733	251,052	38,139	1,656	39,775	24,384	1,318	45,723	1,318
NAVotas *	225,328	161,482	63,846	187	35	30,145	2,234	32,379	93	55	82	180,188	35,110	215,297	28,035	1,234	29,264	2,110	1,905	3,115	1,905
PARANAGAN *	439,253	389,402	49,851	287	35	114,249	1,115	115,364	72	55	71	286,849	57,568	344,417	82,239	813	82,872	31,950	502	32,491	502
PASIG *	532,663	426,006	106,657	190	35	80,850	3,793	84,643	93	55	85	396,186	66,661	462,847	75,150	2,053	77,244	5,653	1,660	7,359	1,660
PATEROS *	64,715	57,241	7,474	187	35	10,685	264	10,949	60	55	58	34,344	4,144	38,488	6,411	145	6,556	4,274	118	4,393	118
SAN JUAN *	137,583	127,338	10,245	249	35	31,784	358	32,141	95	55	92	121,028	5,602	126,630	30,195	186	30,381	1,988	160	1,750	160
TAGUIG *	353,627	291,268	62,359	187	35	54,374	2,182	56,556	50	55	51	145,844	34,287	179,930	27,187	1,200	28,387	21,187	992	28,169	992
VALERONGHA *	530,824	324,965	205,859	187	35	80,664	7,204	87,868	71	55	65	230,733	113,212	343,945	43,071	3,362	47,034	17,593	3,242	20,874	3,242
II. CAVITE	611,062	593,551	17,511	187	35	110,796	610	111,409	61	43	61	364,987	7,474	372,541	68,127	265	68,392	42,669	348	43,017	348
BACOR * *	235,538	228,354	7,184	187	35	42,656	251	42,878	66	55	56	150,714	3,951	154,665	28,133	138	28,272	14,433	113	14,606	113
CAVITE CITY * *	104,379	102,876	1,503	187	35	15,204	53	15,253	72	58	72	74,071	872	74,942	13,627	31	13,657	5,377	22	5,399	22
GEN. * *	121,850	118,737	3,113	187	35	23,175	107	23,283	51	39	51	60,586	1,195	61,781	11,309	42	11,351	10,868	65	10,931	65
GEN. * *	62,446	61,928	518	187	35	11,500	18	11,518	78	75	78	48,394	389	48,682	9,017	14	9,030	2,943	5	2,948	5
NOVLETA *	26,102	25,354	748	187	35	4,733	26	4,759	48	48	48	12,170	359	12,529	2,372	33	2,384	2,481	14	2,475	14
ROSARIO *	60,737	56,242	4,495	187	35	10,459	157	10,656	34	18	33	19,122	809	19,931	3,559	28	3,598	6,949	129	7,058	129
III. RIZAL	1,325,412	861,057	464,355	185	35	142,681	16,187	158,868	59	11	42	504,633	49,633	554,175	82,780	1,948	85,238	59,391	14,238	73,529	14,238
ANGONO *	64,219	32,110	32,109	160	35	5,138	1,124	6,262	100	0	50	32,110	0	32,110	5,138	0	5,138	0	1,124	1,124	1,124
ANTIPOLO *	319,849	263,155	56,694	149	42	39,210	2,381	41,591	41	23	38	107,894	13,040	120,933	16,076	548	16,524	23,134	1,833	24,957	1,833
BARAS *	21,082	1,181	19,900	160	31	188	610	199	100	0	8	1,183	0	1,183	189	0	189	0	0	610	610
BIJANANGHAR *	152,533	89,131	63,402	160	34	10,902	2,873	13,775	100	0	45	68,131	11,377	79,508	10,302	0	10,302	0	2,873	2,873	2,873
CAINTA *	206,860	186,374	20,486	187	35	34,752	724	35,476	52	55	52	96,810	11,377	108,188	18,071	388	18,469	16,481	326	17,007	326
CARDONA *	36,995	3,945	33,050	160	30	631	1,005	1,636	100	0	11	3,945	0	3,945	631	0	631	0	1,005	1,005	1,005
GEN. * *	19,109	1,581	17,528	160	31	259	542	811	100	0	9	1,681	0	1,681	259	0	259	0	542	542	542
MONTALBAN *	89,437	88,024	1,413	118	42	8,027	584	8,611	53	43	59	42,855	6,300	49,155	5,037	265	5,342	2,970	379	3,348	379
PLARIDAN *	36,357	7,832	28,525	160	31	1,253	900	2,153	100	0	21	7,832	0	7,832	1,253	0	1,253	0	900	900	900
PLARIDAN *	39,119	1,254	37,865	160	32	1,151	1,010	2,171	100	0	19	7,234	0	7,234	1,151	0	1,151	0	1,010	1,010	1,010
SAN MARCO *	301,679	60,502	241,177	190	42	11,514	1,795	13,240	51	25	40	30,907	10,259	41,166	5,872	431	6,304	5,612	1,234	6,926	1,234
TAYAYAN *	24,565	48,239	23,674	160	33	3,924	1,570	5,494	100	0	34	24,525	8,158	32,683	24,525	0	3,924	0	1,570	1,570	1,570
TAYAYAN *	148,322	131,430	16,892	187	35	24,913	513	25,426	55	55	55	74,154	8,158	82,312	13,954	286	14,240	10,561	234	11,198	234
TRESE *	22,106	4,951	17,155	160	31	792	509	1,331	100	0	22	4,951	0	4,951	792	0	792	0	509	509	509
TOTAL	11,885,451	9,415,790	2,469,661	193	35	1,845,846	86,442	1,902,291	81	47	74	7,617,192	1,151,605	8,768,797	1,444,318	40,517	1,514,555	341,530	45,925	1,387,455	45,925

NOTE: 1. Areas with (*) have suppressed demand due to low water pressure, and be expected to be improved by HWSP.
2. Areas with (**) also have suppressed demand due to low water pressure, and be expected to be improved by HWSP.
3. Areas with (†) have suppressed demand due to limited water sources, and be expected to be improved by FWSP.
4. Areas with (‡) are merged area under BP199, and be expected to be improved by RWSIP.

TABLE 13.4.7 PROJECTED DOMESTIC WATER CONSUMPTION IN 2005 (SCENARIO 4), BY CITY/MUNICIPALITY

CITY/MUNICIPALITY	TOTAL POPULATION (2005)			PER CAPITA CONSUMPTION			DOMESTIC CONSUMPTION (2005)			RWSS CONNECTED POPULATION			RWSS DOMESTIC CONSUMPTION			PRIVATE DOMESTIC CONSUMPTION				
	GENERAL	BRIGHT	WATER	GEN'L (L/POD)	B/D (L/POD)	WATER	GENERAL (M3/D)	BRIGHT (M3/D)	WATER	GENERAL POP.	BRIGHT POP.	WATER POP.	GENERAL (M3/D)	BRIGHT (M3/D)	WATER	GENERAL (M3/D)	BRIGHT (M3/D)	WATER		
I. MCR	10,947,852	3,678,122	2,169,510	200	35	1,738,984	75,934	1,814,818	90	65	85	7,787,381	1,410,198	1,410,198	1,609,016	49,397	1,609,016	139,224	26,577	205,881
CITY OF BANTUA	1,723,156	1,463,436	259,690	195	35	285,887	9,089	294,976	95	65	90	1,390,264	168,799	1,559,063	277,501	14,294	3,181	17,475	6,003	22,655
PASIG CITY *	457,147	313,951	143,196	193	35	60,708	5,010	65,718	93	65	84	292,911	93,652	386,563	56,456	4,249	1,254	5,319	1,755	7,074
QUEZON CITY *	2,200,638	1,761,499	439,139	196	35	345,188	15,370	360,558	95	65	89	1,873,424	285,439	1,958,862	327,882	17,255	3,797	23,154	1,098	24,853
CALOOCAN CITY *	1,076,883	774,259	302,624	193	35	149,630	10,532	160,162	83	65	78	642,635	196,705	839,341	124,243	6,865	1,917	8,782	3,183	11,965
MAS FERRAS *	708,704	619,083	88,621	193	35	119,689	3,137	122,826	81	65	79	501,457	58,254	559,711	36,948	2,049	3,997	22,741	1,098	23,839
MAKATI	539,315	469,978	69,337	217	35	101,351	2,427	104,178	95	65	91	446,475	46,069	492,544	85,683	1,571	1,668	1,710	654	2,364
MALABON *	346,888	277,172	69,716	193	35	53,587	2,433	56,020	85	65	89	229,053	45,302	274,355	41,477	1,868	2,273	2,441	3,019	5,492
MARICOR *	246,044	235,109	60,935	193	35	45,454	2,133	47,587	95	65	90	224,354	39,608	263,962	43,182	1,368	1,504	1,642	1,750	3,394
MARINA *	447,289	385,439	61,850	195	35	71,357	2,862	74,219	95	65	90	347,253	53,144	400,397	67,789	1,269	1,358	1,487	1,602	3,089
MORONG *	493,739	394,186	99,553	193	35	78,209	3,484	81,693	81	65	78	319,281	64,709	384,000	61,730	2,265	2,495	2,645	2,839	5,484
MAYAGUAY *	240,031	172,271	67,760	193	35	33,306	2,372	35,678	95	65	87	162,957	44,044	207,001	31,640	1,342	1,565	1,665	1,760	3,425
PARANGALAN *	488,452	432,458	55,994	193	35	121,433	1,261	122,694	83	65	82	376,541	23,422	399,963	100,759	820	101,609	20,664	441	21,105
PASIG	533,888	475,392	118,496	195	35	92,653	4,147	96,799	95	65	89	451,634	77,021	528,655	8,134	1,865	9,999	2,385	12,384	
PATEROS *	70,318	62,167	8,151	193	35	12,013	385	12,398	76	65	75	47,845	5,286	53,131	3,235	31,068	1,623	1,27	1,750	3,019
SAH JUAN	140,304	129,954	10,350	250	35	62,600	2,415	65,015	76	65	71	246,083	41,849	287,932	47,578	1,570	1,700	1,845	1,979	3,819
TALIBIG *	392,732	323,794	68,938	193	35	74,983	3,948	80,931	81	65	75	314,159	158,152	472,311	60,736	5,559	66,292	14,247	2,992	68,284
VALDEVERDE *	632,076	567,812	244,264	193	35	129,417	556	130,273	77	51	76	513,333	8,153	522,086	93,360	285	99,646	30,357	270	30,627
II. CAVITE	686,825	670,951	15,874	193	35	51,932	229	52,161	83	65	83	222,951	4,247	227,198	149	43,253	8,825	80	8,909	
BACOR *	275,150	268,616	6,534	193	35	21,874	39	21,913	81	65	81	94,659	1,590	96,249	16,467	46	16,507	5,262	56	21,100
CAVITE CITY *	105,908	108,904	2,996	193	35	25,728	96	25,824	84	42	64	85,172	1,150	86,322	14,111	14	12,125	1,188	1	1,189
GEN. *	135,818	133,081	2,737	193	35	13,309	15	13,324	91	95	91	62,643	395	63,038	12,111	14	12,125	1,188	1	1,189
NAVIT *	69,254	68,938	418	193	35	13,405	23	13,428	71	61	71	19,887	406	20,293	3,845	14	3,859	1,570	9	1,579
NOVELETA	25,673	28,010	663	193	35	5,415	25	5,440	45	45	45	28,550	1,037	29,587	5,533	38	5,589	6,763	119	6,882
ROSARIO *	68,012	63,691	4,321	193	35	12,936	155	13,091	45	45	45	28,550	1,037	29,587	5,533	38	5,589	6,763	119	6,882
III. METRO	1,500,411	1,052,571	450,840	195	35	184,176	15,968	200,144	71	12	63	745,967	56,343	802,310	132,473	2,231	134,704	51,703	13,728	65,440
MANILA *	72,979	43,781	29,192	181	35	7,927	1,928	9,855	130	0	80	43,787	0	43,787	7,927	0	7,927	0	1,022	1,022
ANTIPALO *	375,154	319,175	59,975	155	44	69,473	2,639	72,112	48	21	44	153,206	12,595	165,801	23,747	554	21,301	25,726	2,085	27,811
BAKAS *	22,888	2,215	20,673	181	31	401	529	1,030	0	10	0	2,215	0	2,215	401	0	401	0	629	629
GEN. *	182,155	87,908	74,247	181	34	15,915	5,220	18,135	0	0	51	87,908	0	87,908	15,915	0	15,915	0	2,520	2,520
GEN. *	231,447	226,303	25,144	193	35	43,782	280	44,062	76	65	75	111,990	16,344	128,334	33,453	572	33,823	10,500	308	10,808
GEN. *	38,270	34,845	3,425	181	30	841	1,021	1,862	0	12	12	4,645	0	4,645	841	0	1,021	0	1,021	1,021
GEN. *	30,141	27,167	2,974	181	31	568	526	1,094	0	0	0	3,137	0	3,137	568	0	568	0	526	526
GEN. *	30,845	27,167	3,678	181	34	938	591	1,529	12	47	68	55,733	6,316	62,049	6,911	278	7,189	2,688	313	3,001
GEN. *	40,323	35,363	4,960	181	31	1,760	940	2,700	0	24	24	9,783	0	9,783	1,760	0	1,760	0	940	940
GEN. *	41,566	37,324	4,242	181	31	2,161	328	2,489	0	0	0	11,945	0	11,945	2,161	0	2,161	0	928	928
GEN. *	109,620	71,766	37,854	204	44	17,640	1,666	19,306	62	26	50	44,435	9,842	54,277	4,532	0	5,882	1,233	6,115	6,115
GEN. *	78,783	52,488	26,295	181	32	5,882	1,497	7,379	0	41	41	32,489	0	32,489	5,882	0	5,882	0	1,497	1,497
GEN. *	173,025	155,723	17,302	195	35	30,106	596	30,702	76	55	75	118,349	11,247	129,596	22,881	394	23,274	7,226	212	7,437
GEN. *	22,410	6,315	16,095	181	31	1,143	504	1,647	0	28	28	6,315	0	6,315	1,143	0	1,143	0	504	504
TOTAL	13,037,898	10,401,643	2,636,255	197	35	2,062,777	122,458	2,185,234	87	56	81	9,047,881	1,474,651	10,522,531	1,791,493	51,873	1,843,366	261,284	40,585	301,869

NOTE: 1. Areas with (*) have suppressed demand due to low water pressure, and be expected to be improved by AMSP.
 2. Areas with (+) also have suppressed demand due to low water pressure, and be expected to be improved by MSWP.
 3. Areas with (x) have suppressed demand due to limited water sources, and be expected to be improved by PMS.
 4. Areas with (x+) are urgent area under 85% and be expected to be improved by PMSIP.

TABLE 13.4.4.8 PROJECTED DOMESTIC WATER CONSUMPTION IN 2010 (SCENARIO 4), BY CITY/MUNICIPALITY

CITY/MUNICIPALITY	TOTAL POPULATION (2010)		PER CAPITA CONSUMPTION		DOMESTIC CONSUMPTION (2010)			WSS CONNECTED X			WSS CONNECTED POPULATION			WSS DOMESTIC CONSUMPTION			PRIVATE DOM. CONSUMPTION		
	GENERAL	BLIGHTED	GEN'L (L/PCD)	BL'D (L/PCD)	GENERAL (M3/D)	BLIGHTED (M3/D)	TOTAL (M3/D)	GENERAL POP.	BLIGHTED POP.	TOTAL POP.	GENERAL (M3/D)	BLIGHTED (M3/D)	TOTAL (M3/D)	GENERAL (M3/D)	BLIGHTED (M3/D)	TOTAL (M3/D)	GENERAL (M3/D)	BLIGHTED (M3/D)	TOTAL (M3/D)
I. NCR	11,649,608	8,319,686	204	35	1,965,230	81,547	1,986,777	32	70	87	8,543,562	1,630,945	10,164,507	11,743,430	57,083	11,800,513	161,800	24,464	186,264
CITY OF MANILA	1,722,167	1,464,188	258,959	200	392,838	3,084	391,901	95	70	91	1,380,378	181,271	1,572,250	278,156	6,344	284,540	14,642	2,719	17,361
PASAY CITY *	475,225	326,828	146,397	200	65,366	5,194	70,560	95	70	87	310,487	103,878	414,365	414,365	6,344	414,365	3,258	1,558	4,828
QUEZON CITY	2,323,154	1,660,830	462,274	200	372,176	16,180	388,356	95	70	90	1,787,833	323,592	2,091,425	2,091,425	11,326	364,833	18,039	4,854	23,463
CALOOCAN CITY *	1,161,630	838,274	328,356	200	167,555	11,422	179,077	88	70	88	717,681	228,418	946,100	946,100	7,895	155,532	20,119	4,422	23,545
LAAS PINAS *	878,109	787,379	110,730	200	153,476	3,876	157,351	85	70	83	624,272	77,511	729,783	729,783	2,713	138,167	23,482	1,163	24,184
MAINT *	53,794	62,797	76,997	220	105,215	2,485	107,700	95	70	92	456,657	49,698	508,355	508,355	1,739	102,674	5,311	745	6,056
MALABON *	305,315	242,630	72,433	200	51,656	2,528	60,185	88	70	84	243,688	50,563	304,251	304,251	1,770	52,507	6,918	758	7,877
MARILUING	483,621	395,470	88,151	200	48,530	2,130	50,722	95	70	90	230,517	43,866	274,383	274,383	1,505	42,639	2,428	558	2,984
MARINA	565,215	451,573	113,642	200	73,034	3,085	82,179	95	70	90	375,687	61,706	437,402	437,402	2,160	77,299	3,955	928	4,880
MAYNATLA *	251,550	180,733	70,811	200	35,143	3,977	39,120	85	70	88	171,702	49,568	221,270	221,270	1,735	36,075	1,807	744	2,551
PARANQUE *	541,984	503,098	39,868	250	127,525	1,395	128,920	88	70	84	456,783	27,905	484,688	484,688	977	107,672	18,629	619	19,247
PASIG	648,283	519,391	128,892	200	103,860	4,514	108,374	95	70	90	493,336	90,287	583,623	583,623	3,160	101,827	5,139	1,354	6,447
PATEROS *	74,945	66,282	6,663	200	13,266	303	13,569	88	70	84	81,003	6,084	87,087	87,087	212	11,615	1,856	91	1,947
SAN JUAN	141,007	130,535	10,472	250	33,568	363	33,932	95	70	93	124,100	7,260	131,360	131,360	254	31,280	1,533	109	1,642
TAGUIG *	427,323	352,472	74,851	200	70,494	2,620	73,114	86	70	83	303,126	52,356	355,482	355,482	1,834	62,459	9,869	768	10,655
VALHANGA *	731,811	449,840	281,971	200	89,968	9,869	99,837	88	70	81	597,389	197,380	794,769	794,769	6,508	86,080	10,796	2,951	13,757
II. CAVITE	756,085	744,387	11,698	200	148,877	408	149,285	84	53	84	625,325	8,194	631,418	631,418	217	125,282	23,832	193	24,025
BACOR * *	313,838	309,444	4,394	200	61,889	151	62,043	85	70	85	283,027	3,078	286,103	286,103	108	52,713	9,253	46	9,329
CAVITE CITY *	312,628	111,962	678	200	22,390	21	22,411	97	35	97	108,593	642	109,235	109,235	22	21,741	672	1	673
GENS * *	348,542	148,579	1,983	200	29,116	69	29,305	78	50	78	114,332	982	115,313	115,313	34	22,901	6,448	34	6,484
IMBT *	75,407	75,106	301	200	15,021	11	15,032	98	58	98	73,684	288	73,972	73,972	10	14,721	3,000	1	3,001
MOGABA	30,955	30,478	479	200	6,035	30	6,065	63	63	63	25,135	315	25,450	25,450	11	5,070	1,058	6	1,042
ROSARIO *	74,715	70,830	3,885	200	14,165	136	14,302	57	23	55	40,373	894	41,267	41,267	31	8,106	6,091	105	6,196
III. RIZAL	1,567,207	1,242,272	424,936	186	230,305	15,185	246,090	78	14	62	971,266	58,049	1,029,315	1,029,315	2,291	186,214	16,982	12,884	59,375
ANGONO *	89,783	56,552	24,236	205	11,353	848	12,431	100	0	70	56,552	0	56,552	56,552	0	11,583	0	848	848
ANTIPHOLO *	455,886	376,317	59,569	182	60,963	2,410	63,794	55	18	50	206,974	10,722	217,697	217,697	493	34,023	27,434	2,247	29,680
BALAN *	241,182	3,412	20,770	205	30	693	1,329	100	0	14	3,412	0	3,412	3,412	0	699	0	630	630
BIRANGHAN *	169,117	108,067	81,050	205	22,135	2,063	24,198	100	0	64	108,067	0	108,067	108,067	0	22,135	0	2,063	2,063
CAVIT * *	295,646	265,082	29,564	200	57,156	1,035	54,251	86	70	84	228,830	28,095	249,525	249,525	724	46,450	7,450	310	7,761
CANSON *	38,952	5,343	33,609	205	1,045	1,020	2,115	100	0	14	5,348	0	5,348	5,348	0	1,045	0	1,020	1,020
JARA-JARA *	20,826	4,821	16,005	205	31	988	499	1,478	100	0	4,821	0	4,821	4,821	0	988	0	490	490
MORONG *	35,318	11,947	31,357	205	11,058	508	11,512	80	43	76	68,254	4,730	72,984	72,984	218	3,022	2,201	288	2,450
MONTALBAN *	43,304	14,971	28,341	205	31	2,447	3,613	100	0	26	11,947	0	11,947	11,947	0	2,447	0	366	366
PILILLA *	43,312	14,971	28,341	205	31	2,447	3,613	100	0	35	14,971	0	14,971	14,971	0	3,067	0	882	882
SAN RAYO *	115,169	83,368	32,405	215	16,256	1,431	19,747	73	25	60	60,833	8,102	68,955	68,955	373	15,699	4,929	1,118	6,047
TANAY *	81,535	40,539	40,996	205	32	8,338	1,468	9,751	100	0	40,996	0	40,996	40,996	0	8,338	0	1,366	1,366
TAYAY *	137,131	117,418	19,713	200	35	35,464	890	38,174	86	70	152,575	15,399	166,379	166,379	483	30,959	4,968	207	5,175
TERRERA *	22,441	1,721	14,720	205	31	1,581	469	2,039	100	0	1,721	0	1,721	1,721	0	1,581	0	458	458
TOTAL	14,072,500	11,306,345	2,766,555	202	32,285,012	97,441	32,382,134	90	61	81	130,004	1,699,188	11,925,243	12,062,358	59,591	12,111,989	122,614	37,551	170,165

NOTE: 1. Areas with (*) have suppressed demand due to low water pressure, and be expected to be improved by MSOP.
 2. Areas with (**) also have suppressed demand due to low water pressure, and be expected to be improved by MSOP.
 3. Areas with (**) have suppressed demand due to limited water sources, and be expected to be improved by PANSIP.
 4. Areas with (*) are merged areas under RP289, and be expected to be improved by RP289.

TABLE 13-4-8. SUMMARY OF PROJECTED WATER DEMAND IN 1995 (SCENARIO 2)

CITY/ MUNICIPALITY	MWS SERVED WATER DEMAND (M ³ /D)				PRIVATELY SERVED WATER DEMAND (M ³ /D)				TOTAL WATER DEMAND (M ³ /D)				MWS SERVICE RATIO (%)						
	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL	INDUSTRIAL	LOSS	TOTAL	D	C	I	T		
I. NEG	1,126,290	448,632	113,331	908,059	35.0	12,591,512	315,997	101,829	324,540	742,276	1,449,197	550,461	437,871	909,059	13,339,588	78.1	81.5	25.9	71.8
1. Manila	252,499	187,191	22,519	239,395	35.0	681,100	19,345	4,665	5,786	29,796	271,745	172,462	28,394	239,395	710,397	92.9	97.3	73.6	95.8
2. Pasay City	43,524	23,293	1,817	36,957	35.0	105,590	10,561	8,795	3,375	22,731	34,095	32,098	5,192	36,957	128,321	80.5	72.6	35.0	82.3
3. Quezon City	270,472	116,705	30,170	224,765	35.0	642,072	23,246	27,611	32,668	83,554	293,717	144,546	62,538	234,725	725,326	92.1	90.9	48.2	83.5
4. Caloocan City	21,416	15,433	12,175	58,965	35.0	187,199	39,839	3,874	4,665	49,176	121,954	19,197	16,839	58,705	215,905	67.1	80.8	72.3	77.7
5. Las Piñas	29,775	766	189	16,568	35.0	47,307	37,007	4,668	25,348	57,013	5,444	25,337	16,558	14,330	44.6	14.4	0.7	41.4	
6. Marikina	30,974	83,337	6,342	31,931	35.0	231,374	10,477	1,721	3,383	25,581	97,451	75,958	9,725	81,121	257,355	88.5	84.4	65.2	90.1
7. Malabon	4,600	4,600	19,273	24,908	35.0	71,155	14,689	2,016	14,953	31,279	46,914	6,516	24,908	102,433	68.1	89.5	61.4	69.5	
8. Mandaue City	36,610	14,763	10,553	33,345	35.0	95,271	3,248	2,128	5,353	19,729	39,858	16,991	15,905	33,345	106,009	91.9	87.4	65.3	84.9
9. Marikina	52,397	4,914	1,701	31,776	35.0	90,788	4,343	1,713	8,264	14,380	58,741	6,887	9,965	31,776	105,169	92.3	73.5	17.1	86.3
10. Muntinlupa	20,636	99	97	11,217	35.0	32,049	31,571	10,423	41,459	83,463	52,208	10,521	41,556	11,217	115,501	33.3	0.9	0.2	27.1
11. Navotas	2,742	2,742	2,811	16,278	35.0	46,593	4,123	621	1,739	6,480	28,797	3,363	4,550	16,278	52,987	85.7	81.5	61.8	87.8
12. Paranaque	62,994	3,497	2,031	39,593	35.0	113,095	42,310	6,223	21,996	69,929	105,294	14,720	23,427	39,593	183,025	59.8	57.7	8.7	61.8
13. Pasig	62,935	11,836	9,170	45,924	35.0	139,053	9,182	8,431	72,659	90,273	72,117	20,269	32,430	45,522	220,336	87.3	58.4	11.9	59.0
14. Paterson	4,252	71	4	2,330	35.0	6,657	5,297	0	2,124	7,401	9,529	71	2,128	2,330	14,057	44.6	100.0	0.2	47.4
15. San Juan	29,410	10,412	1,463	22,331	35.0	63,517	1,731	97	59	1,887	31,141	19,510	1,522	22,231	65,404	94.4	99.1	95.1	95.1
16. Taguig	9,793	457	31	5,525	35.0	15,787	38,207	4,693	49,825	92,662	48,000	5,286	49,838	5,525	108,449	20.4	9.0	0.0	14.6
17. Valenzuela	32,651	2,890	1,406	19,894	35.0	56,841	20,755	4,335	32,171	57,251	53,466	7,224	31,577	19,894	114,101	63.1	40.0	4.2	49.8
III. CAVITE	44,332	1,550	1,389	20,259	30.0	67,559	49,094	6,554	7,122	62,769	91,425	8,103	8,511	20,259	130,239	47.5	19.1	16.2	51.8
1. Bacoor	15,408	340	85	6,785	30.0	22,617	18,918	290	0	19,808	34,925	1,330	95	6,785	42,425	44.9	27.6	100.0	55.3
2. Cavite City	10,954	921	288	5,213	30.0	17,375	6,511	4,406	0	10,917	17,465	5,227	288	5,213	28,293	62.7	17.3	100.0	61.4
3. Imus	7,781	82	9	3,374	30.0	11,245	11,023	816	641	12,480	18,303	898	650	3,374	23,725	41.4	9.1	1.3	47.4
4. Marikina	6,802	155	694	3,279	30.0	10,922	3,041	0	0	3,041	9,843	155	694	3,279	13,971	69.1	100.0	100.0	78.2
5. Marikina	1,022	6	197	486	30.0	1,621	3,059	0	0	3,059	4,080	6	197	486	4,680	25.0	100.0	100.0	34.5
6. Rosario	2,368	46	207	1,123	30.0	3,742	5,542	441	5,481	13,464	8,908	487	6,688	1,123	13,205	26.6	9.5	3.1	21.7
III. RIZAL	47,536	5,169	3,347	20,750	27.0	75,743	71,194	10,569	87,131	168,794	118,640	15,668	50,475	20,750	245,537	40.1	32.6	3.7	31.3
1. Angono	3,115	623	186	694	15.0	4,628	1,156	0	325	2,081	4,271	623	1,121	694	6,709	72.9	100.0	17.5	69.0
2. Antipolo	11,090	765	2,145	6,000	30.0	19,959	19,774	3,499	14,543	37,816	30,864	4,264	16,688	6,000	57,816	35.9	17.5	12.9	34.6
3. Baras	327	25	0	28	15.0	188	559	0	38	596	688	25	46	28	784	18.5	100.0	17.4	23.9
4. Binangonan	7,808	1,402	442	1,962	15.0	10,414	3,109	0	2,081	5,190	10,117	1,402	2,533	1,962	15,684	69.3	100.0	17.5	65.7
5. Calamba	6,273	565	59	3,716	35.0	10,616	18,599	4,018	43,748	66,356	24,862	4,597	43,847	3,716	76,972	25.2	12.4	0.1	13.8
6. Calamba	490	98	31	109	15.0	728	966	0	146	1,112	1,456	98	177	109	1,840	33.1	100.0	17.5	33.6
7. Ikalalaha	73	15	5	16	15.0	109	542	0	22	564	615	15	27	16	673	11.9	100.0	18.5	16.2
8. Marikina	3,903	53	21	1,704	30.0	5,660	3,292	1,069	3,551	7,918	7,393	1,122	3,578	1,704	11,589	54.2	4.7	0.6	41.8
9. Marikina	955	191	80	213	30.0	1,419	861	0	1,416	1,911	344	213	344	213	2,364	92.8	100.0	17.4	55.3
10. Pililla	703	141	4	157	15.0	1,045	993	0	209	1,202	1,656	141	253	157	2,247	41.5	100.0	17.4	46.5
11. San Mateo	4,352	235	66	1,994	30.0	5,646	6,278	494	730	7,502	10,630	729	786	1,994	14,150	60.9	32.2	8.3	47.0
12. Taguig	2,170	684	137	1,344	15.0	1,666	1,666	0	645	3,201	3,026	434	782	484	5,525	56.7	100.0	17.5	66.4
13. Taguig	6,798	462	105	3,965	35.0	11,331	12,754	1,478	20,059	34,291	19,452	1,841	20,154	3,965	45,622	34.3	23.8	0.5	24.8
14. Teresa	480	96	30	107	15.0	713	515	0	143	718	1,055	96	173	107	1,431	45.5	100.0	17.3	49.8
TOTAL	1,218,158	455,291	118,068	950,068	34.7	12,741,594	446,165	118,941	418,793	913,839	1,654,262	574,232	536,861	950,068	13,715,523	73.6	79.3	22.0	73.8

TABLE 13.4-10 SUMMARY OF PROJECTED WATER DEMAND IN 2000 (SCENARIO 2)

CITY/ MUNICIPALITY	RWSS SERVED WATER DEMAND (M ³ /D)			PRIVATELY SERVED WATER DEMAND (M ³ /D)			TOTAL WATER DEMAND (M ³ /D)			RWSS SERVICE RATIO (%)							
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	D	C	I	T				
II. NCR	31,420,202	561,191	146,213	211,812	110,761	369,659	632,223	1,632,014	671,952	515,868	911,633	19,731,667	87.0	83.5	28.3	81.5	
1. Manila	267,682	205,861	27,560	17,415	4,865	5,786	27,866	285,097	210,526	33,346	214,759	743,728	93.9	97.8	82.6	93.3	
2. Pasay City	52,747	39,315	2,142	7,448	9,799	3,375	19,618	60,199	39,170	6,116	36,799	142,280	87.6	77.5	44.8	85.2	
3. Quezon City	307,254	148,563	41,310	21,462	27,641	32,368	81,471	328,717	176,204	73,677	213,055	791,653	93.5	84.3	56.1	85.7	
4. Caloocan City	110,825	19,650	15,174	30,123	3,674	4,665	38,462	140,948	23,324	19,839	82,491	246,532	78.6	84.2	76.5	84.4	
5. Las Piñas	68,929	939	222	30,043	5,888	29,863	59,013	92,383	30,646	30,085	159,158	74.6	14.4	0.7	52.9		
6. Makati	92,691	79,963	8,074	11,721	3,383	20,844	98,432	91,624	11,458	77,429	278,943	94.2	87.2	70.5	92.5		
7. Malabon	40,574	6,060	14,698	10,723	2,016	14,655	27,304	51,297	8,076	29,283	114,921	79.1	75.0	50.2	76.2		
8. Mandaluyong	41,038	18,491	13,386	2,914	2,128	5,353	10,395	43,552	20,630	18,719	114,560	93.4	89.1	91.4	90.9		
9. Marikina	61,462	5,999	2,004	4,194	2,154	9,735	16,094	65,656	8,163	11,739	29,770	115,328	93.6	73.5	17.1	88.0	
10. Muntinlupa	48,677	120	114	12,723	48,844	78,387	65,799	32,379	12,843	48,958	20,932	148,261	74.3	0.9	0.2	47.1	
11. Navotas	29,978	3,484	3,621	2,491	623	1,739	4,761	32,379	4,105	5,360	16,893	57,737	92.5	84.9	67.6	91.3	
12. Parañaque	92,068	10,312	2,393	23,266	7,997	25,297	56,100	115,364	17,969	27,600	44,928	205,861	79.8	57.7	8.7	72.7	
13. Pasig	79,647	14,446	11,511	46,209	5,536	10,292	85,692	101,430	24,741	97,113	46,083	251,439	93.5	58.4	11.9	59.7	
14. Pateros	7,638	86	5	3,312	0	2,582	5,833	10,949	86	2,587	3,312	16,364	69.6	100.0	0.2	55.5	
15. San Juan	30,409	12,732	1,735	1,732	97	59	1,388	32,141	12,829	1,794	19,232	65,946	94.6	99.2	96.7	97.1	
16. Taguig	39,571	538	13	17,118	5,650	58,702	81,537	56,556	6,208	58,715	17,118	136,597	69.6	9.0	0.0	41.2	
17. Valenzuela	49,820	3,528	1,658	18,048	5,291	37,902	61,241	67,868	8,819	39,558	23,573	139,818	73.4	40.0	4.2	56.2	
III. CAVITE	78,768	1,637	1,637	32,641	8,000	8,491	43,032	111,409	9,892	10,027	35,270	166,598	70.7	19.1	16.3	70.6	
1. Bacoor	34,232	413	100	14,900	1,087	0	9,713	42,878	1,502	100	14,900	59,379	79.9	27.6	100.0	83.6	
2. Cavite City	14,987	1,124	339	5,828	5,379	0	9,649	19,256	6,503	339	7,050	33,148	77.8	17.3	106.0	70.9	
3. Imus	12,683	108	10	4,270	939	996	11,351	22,283	1,096	766	5,483	29,628	56.9	9.1	1.3	61.7	
4. Kawit	9,723	189	818	1,855	0	0	1,855	11,578	818	4,598	17,193	84.0	100.0	100.0	89.2		
5. Noveleta	3,057	8	126	1,702	0	0	1,702	4,759	8	126	8	6,260	64.2	106.0	100.0	72.6	
6. Rosario	4,066	55	244	6,930	538	7,635	14,763	10,656	595	7,879	1,871	21,001	38.2	9.5	3.1	29.7	
IV. RIZAL	86,991	7,396	5,440	61,900	12,889	103,472	178,282	158,881	20,295	108,913	39,070	327,159	51.0	85.5	5.0	45.5	
1. Angono	5,138	1,028	555	1,124	0	1,255	2,419	6,262	1,028	1,850	1,186	10,326	82.1	100.0	30.0	76.6	
2. Antipolo	17,630	934	2,527	23,877	4,271	17,134	45,283	41,587	5,205	19,561	9,064	75,493	42.6	17.9	12.9	40.0	
3. Baras	189	20	20	510	0	48	558	799	38	68	44	948	23.7	100.0	29.9	30.6	
4. Binangonan	10,902	2,180	1,177	2,875	0	2,747	5,620	13,775	2,180	3,934	2,516	22,335	79.1	100.0	30.0	74.9	
5. Calatagan	24,781	695	68	10,715	4,905	51,541	67,162	35,476	5,600	51,610	10,939	103,625	69.8	12.4	0.1	35.2	
6. Cardona	631	128	68	1,095	0	0	1,164	1,636	126	227	146	2,139	38.6	100.0	30.0	45.5	
7. Jala-Jala	269	54	29	62	60	68	610	811	54	97	62	1,024	33.2	100.0	29.9	40.4	
8. Montalban	5,644	64	24	3,070	1,305	4,191	8,566	8,714	1,370	4,215	2,687	16,755	64.8	4.7	0.5	48.9	
9. Morong	1,263	251	135	1,216	0	516	1,216	2,153	251	417	289	3,144	58.2	100.0	29.9	61.3	
10. Plaridel	1,161	233	125	1,010	0	232	1,302	2,171	321	417	266	3,033	53.5	100.0	30.0	51.8	
11. San Mateo	6,183	287	78	6,381	603	860	7,844	13,264	890	938	3,108	18,198	51.9	32.2	8.3	56.9	
12. Taytay	3,924	785	424	1,570	2,593	5,494	2,593	5,494	2,593	1,413	908	6,598	71.4	100.0	30.0	70.2	
13. Taytay	17,754	565	124	7,862	1,804	23,532	33,120	25,437	2,369	23,766	7,904	59,466	69.8	23.8	0.5	44.3	
14. Teresa	792	159	86	1,219	0	200	739	1,391	159	286	183	1,958	59.5	100.0	30.1	62.3	
TOTAL	1,595,962	570,476	153,295	986,173	306,353	131,651	481,513	919,517	1,902,314	702,129	834,808	966,173	4,225,424	83.9	81.2	24.1	78.2

TABLE 13-4-11. SUMMARY OF PROJECTED WATER DEMAND IN 2005 (SCENARIO 2)

CITY/ MUNICIPALITY	MWS SERVED WATER DEMAND (M3/D)			PRIVATELY SERVED WATER DEMAND (M3/D)			TOTAL WATER DEMAND (M3/D)			MWS SERVICE RATIO (%)									
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	D	C	I	T	D	C	I	T		
I. NCR	1,634,344	681,398	219,175	844,941	25.0	1,379,765	180,476	110,761	369,560	660,828	1,814,818	799,068	844,941	11,040,593	30.1	86.0	37.2	83.6	
1. Manila	277,955	243,494	32,276	184,575	25.0	17,021	4,665	5,786	27,472	294,975	248,160	38,052	184,575	54.2	59.1	84.8	85.4		
2. Pasay City	61,377	37,377	3,507	34,054	25.0	136,214	4,588	8,795	3,375	16,708	65,715	46,172	6,381	152,922	93.1	81.0	51.7	89.1	
3. Quezon City	336,833	180,061	51,740	190,134	25.0	760,535	21,866	27,641	32,688	81,874	360,477	207,702	24,097	190,134	83.9	86.7	61.5	80.3	
4. Caloocan City	134,653	23,820	17,960	58,817	25.0	235,287	25,631	3,574	4,565	33,970	180,282	27,684	22,644	58,817	84.0	86.6	79.4	87.4	
5. Las Pinas	103,932	2,147	4,477	36,882	25.0	147,408	18,894	5,666	29,363	54,444	122,826	7,833	34,341	36,882	27.4	13.0	73.0	73.0	
6. Marikina	95,362	96,282	9,654	68,113	25.0	272,451	5,816	11,721	3,383	20,320	104,178	103,003	13,073	68,113	293.371	84.4	89.1	74.1	82.9
7. Malabon	47,575	22,177	18,836	24,532	25.0	98,128	8,770	2,016	14,565	25,351	55,036	9,519	33,401	24,532	123,479	84.3	78.8	56.4	79.5
8. Mandaluyong	65,793	7,458	3,654	26,373	25.0	107,886	4,426	2,184	5,333	10,394	47,587	24,388	27,623	100,911	53.9	51.2	75.0	81.4	
9. Marikina	67,217	2,416	7,033	25,557	25.0	102,228	12,477	12,723	48,844	74,043	79,594	15,329	55,882	25,557	176,271	84.3	16.0	12.6	58.0
10. Muntinlupa	33,300	4,218	4,379	13,966	25.0	55,663	2,377	621	1,739	4,733	35,573	4,333	6,118	13,966	60,609	53.3	87.2	71.5	82.2
11. Navotas	104,301	13,584	6,236	41,327	25.0	165,408	18,593	7,597	25,207	51,397	122,694	21,181	13,503	41,327	215,705	84.8	64.1	20.0	76.3
12. Parañaque	90,920	18,871	25,245	45,013	25.0	180,050	5,877	10,292	85,602	101,771	56,738	29,163	110,847	45,013	231,821	93.9	64.7	22.8	63.9
13. Pasig	9,215	192	369	3,425	25.0	13,701	2,489	0	2,502	4,292	12,304	102	2,862	3,425	18,693	79.8	100.0	12.6	73.3
14. Pasig	31,086	15,025	1,988	16,033	25.0	64,133	1,791	97	59	64,888	32,818	15,122	2,047	16,033	66,020	94.7	99.4	99.1	97.1
15. San Juan	51,771	1,658	8,317	20,585	25.0	82,941	13,245	5,650	39,702	77,997	65,015	7,318	67,019	20,585	159,938	79.6	22.8	12.4	81.5
16. Taguig	69,719	5,104	7,251	27,358	25.0	109,432	13,812	5,291	37,902	57,005	83,531	10,395	45,153	27,358	166,437	83.5	49.1	16.1	65.7
17. Valenzuela	104,412	3,580	3,055	37,042	25.0	148,169	25,861	8,000	8,391	42,252	130,273	11,660	11,445	37,042	190,421	80.1	31.4	26.7	77.8
III. CALIFRE	44,305	583	114	13,093	25.0	60,133	7,858	1,987	0	8,945	52,151	1,770	114	13,093	69,078	84.9	38.6	100.0	87.1
1. Bacoor	19,634	2,287	327	7,436	25.0	29,743	1,440	5,379	0	6,819	21,074	7,666	387	7,436	36,562	93.2	29.8	100.0	81.3
2. Cavite City	17,516	296	119	5,977	25.0	23,907	6,305	936	756	10,061	25,825	1,292	874	5,977	33,968	87.8	22.9	13.6	70.4
3. Imus	12,721	222	94	4,626	25.0	18,502	503	0	0	603	13,323	222	94	4,626	19,105	95.5	100.0	100.0	86.8
4. Kawit	4,154	9	143	1,439	25.0	5,742	1,284	0	0	1,284	3,459	9	143	1,436	7,027	76.4	100.0	100.0	81.7
5. Marikina	6,085	163	1,358	2,535	25.0	10,141	6,366	538	7,635	14,539	12,451	701	8,993	2,535	24,660	48.9	23.2	15.1	41.1
6. Rosario	138,950	10,320	9,149	45,339	25.1	204,739	60,142	15,193	118,376	193,711	280,082	25,513	127,824	45,339	398,449	69.9	40.4	7.2	51.4
III. RIZAL	7,927	1,585	1,284	1,905	15.0	12,701	1,022	0	1,570	2,592	8,949	1,585	2,354	1,905	15,293	82.6	100.0	45.0	83.1
1. Angono	26,514	1,101	2,884	9,833	25.0	39,332	26,583	5,035	19,597	51,175	52,097	6,136	22,441	9,833	90,505	49.0	17.9	12.9	43.5
2. Antipolo	401	80	65	79	15.0	642	629	0	79	798	1,030	80	144	96	1,350	38.9	100.0	45.1	47.6
3. Bacay	15,915	3,183	2,578	3,825	15.0	25,501	2,520	0	3,151	5,671	18,435	3,183	5,729	3,825	31,172	86.3	100.0	45.0	81.8
4. Binangonan	35,617	819	78	12,171	25.0	48,666	9,014	5,782	58,831	79,527	44,532	6,801	58,909	12,171	122,313	79.3	12.4	0.1	39.6
5. Calatagan	841	168	136	202	15.0	1,347	1,031	0	157	1,188	1,862	168	303	202	2,535	45.2	100.0	44.9	53.1
6. Cardona	568	114	92	137	15.0	911	526	0	112	638	1,094	114	204	137	1,549	51.9	100.0	45.1	52.8
7. Fajale	7,538	76	28	2,547	25.0	10,188	2,614	1,539	4,784	8,336	10,152	1,614	4,811	2,547	19,124	74.3	4.7	0.5	53.3
8. Fontalba	1,763	354	286	425	15.0	3,462	940	0	350	1,290	2,708	354	636	425	4,133	65.3	100.0	45.0	68.7
9. Pililla	2,161	432	350	519	15.0	3,462	988	0	428	1,416	3,089	432	778	519	4,818	79.0	100.0	45.0	71.9
10. Pili	10,156	338	89	3,531	25.0	14,124	6,141	711	1,922	7,833	16,307	1,409	1,871	3,531	21,958	62.3	32.2	8.3	64.3
11. San Mateo	5,882	1,176	953	1,414	15.0	9,425	1,497	0	1,165	2,662	7,379	1,176	1,414	1,414	12,087	79.7	100.0	45.0	78.0
12. Taytay	24,509	565	141	8,439	25.0	33,764	6,203	2,127	26,918	35,304	30,712	2,392	27,116	8,439	69,058	79.8	23.8	0.5	48.9
13. Taytay	1,143	229	185	275	15.0	1,832	504	0	228	730	1,647	229	411	275	2,562	63.4	100.0	45.0	71.5
TOTAL	1,878,704	695,287	231,379	927,303	24.8	1,752,673	286,479	133,955	495,116	896,950	2,146,183	823,242	727,395	927,303	14,623,523	87.6	83.8	31.8	80.6

TABLE 13-4-12 SUMMARY OF PROJECTED WATER DEMAND IN 2010 (SCENARIO 2)

CITY/ MUNICIPALITY	MWS SERVED WATER DEMAND (M3/D)				PRIVATELY SERVED WATER DEMAND (M3/D)				TOTAL WATER DEMAND (M3/D)				MWS SERVICE RATIO (%)						
	DOMESTIC (COMMERCIAL/INDUSTRIAL)		LOSS		DOMESTIC (COMMERCIAL/INDUSTRIAL)		LOSS		DOMESTIC (COMMERCIAL/INDUSTRIAL)		LOSS		D		I		T		
	DEMAND	LOSS	DEMAND	LOSS	DEMAND	LOSS	DEMAND	LOSS	DEMAND	LOSS	DEMAND	LOSS	DEMAND	LOSS	DEMAND	LOSS	DEMAND	LOSS	
I. MCR	11,814,246	802,431	239,736	968,805	25.0	13,875,221	12,531	110,761	359,650	652,945	1,968,777	913,196	659,386	988,805	4,522,164	91.3	87.9	42.9	85.6
1. Manila	284,993	281,444	36,837	201,092	25.0	804,356	15,908	4,663	5,786	27,359	301,901	286,109	42,623	201,092	831,725	94.4	98.4	85.4	95.7
2. Pasay City	65,993	41,438	4,143	38,291	25.0	153,363	4,587	8,983	3,316	16,736	70,669	53,333	1,938	38,291	169,901	93.5	83.5	55.8	90.1
3. Quezon City	365,702	211,824	61,807	213,111	25.0	882,464	22,664	27,641	32,568	82,662	389,456	239,464	94,175	213,111	935,106	94.2	88.5	65.6	91.2
4. Caloocan City	155,456	28,024	20,693	69,391	25.0	277,565	19,621	3,674	4,655	27,960	179,077	31,698	25,458	305,524	89.0	88.4	81.5	90.8	
5. Las Pinas	133,361	3,345	8,592	48,433	25.0	159,742	23,930	5,688	29,853	59,450	157,951	9,931	38,456	233,271	84.8	37.0	22.3	76.5	
6. Makati	102,768	112,798	11,262	75,699	25.0	302,437	5,942	11,921	3,383	21,036	108,700	124,519	14,645	75,699	323,473	94.5	90.6	76.9	91.5
7. Malabon	53,783	8,955	23,839	28,532	25.0	116,313	6,798	2,018	14,555	22,979	60,185	10,975	37,404	28,528	131,092	89.4	81.6	61.1	83.2
8. Mandaluyong	47,748	25,884	18,599	30,747	25.0	122,939	2,975	2,128	5,353	10,456	59,723	28,022	23,952	30,747	133,445	94.1	92.4	77.7	92.2
9. Marikina	77,453	8,938	5,270	30,551	25.0	122,203	4,726	2,154	9,736	16,626	82,178	11,094	15,005	30,551	138,893	94.2	80.5	25.1	86.0
10. Montalupa	79,250	4,731	13,734	32,739	25.0	130,955	14,542	18,723	48,844	76,108	94,293	17,454	62,578	32,739	207,063	84.5	27.1	21.9	63.2
11. Navotas	36,199	4,959	5,112	15,423	25.0	61,692	2,427	821	1,739	4,787	38,826	5,378	6,652	15,423	68,479	93.1	88.9	74.6	92.8
12. Parañaque	107,742	16,823	10,071	44,879	25.0	179,516	15,178	7,497	25,207	51,381	126,320	24,420	35,278	44,879	231,497	84.9	68.9	28.5	77.5
13. Parang	102,063	23,331	36,528	54,637	25.0	218,549	6,322	10,292	85,602	102,216	108,975	33,623	124,130	54,637	320,765	94.2	69.4	31.0	68.1
14. Patetes	12,133	117	703	4,326	25.0	17,304	1,401	0	2,592	3,994	13,560	117	3,205	4,326	21,267	89.1	100.0	21.9	81.6
15. San Juan	31,298	17,338	2,234	16,956	25.0	67,836	1,724	97	59	1,880	33,022	17,435	2,293	16,956	89,706	94.8	99.4	87.4	97.3
16. Taguig	85,410	2,787	16,340	28,182	25.0	112,781	1,704	5,650	58,702	72,057	72,114	8,437	75,050	28,182	184,784	89.5	33.0	21.8	61.0
17. Valenzuela	88,373	5,684	12,682	33,909	25.0	143,638	11,464	5,291	37,902	54,657	99,837	11,965	50,564	33,909	190,295	88.5	55.9	25.0	72.4
III. CAVITE	129,187	5,443	4,426	46,345	25.0	185,381	20,130	8,000	8,391	36,511	149,287	13,443	12,817	46,345	221,892	86.5	40.5	34.5	83.5
1. Bacoor	52,721	964	128	17,934	25.0	71,736	5,322	1,937	0	10,409	62,843	2,041	128	17,934	85,145	85.0	46.7	100.0	87.3
2. Cavite City	22,414	3,459	433	8,769	25.0	35,016	0	5,378	0	5,379	22,414	8,838	433	8,769	40,564	100.0	39.1	100.0	86.1
3. Imus	24,866	494	223	8,534	25.0	34,188	4,438	996	756	6,250	28,516	1,490	979	8,534	40,388	84.7	33.1	22.8	84.5
4. Kawit	15,032	256	1,045	5,444	25.0	21,773	0	0	0	0	15,032	256	1,045	5,444	21,778	100.0	100.0	100.0	100.0
5. Noveleta	5,296	30	163	1,822	25.0	7,289	816	0	0	316	6,112	80	161	1,822	8,105	86.6	100.0	100.0	89.9
6. Rosario	8,818	270	2,136	3,841	25.0	15,365	5,484	538	7,635	13,657	14,302	1,008	10,071	1,822	23,022	61.7	33.4	24.2	52.9
III. RIZAL	192,915	13,854	14,834	62,289	21.9	283,791	53,161	17,517	131,330	202,608	245,976	31,370	146,764	62,289	485,399	78.4	44.2	10.1	58.3
1. Angono	11,583	2,317	2,502	2,894	15.0	19,296	848	0	1,668	2,516	12,431	2,317	4,170	2,894	21,812	93.2	100.0	60.0	88.5
2. Antipolo	35,948	1,269	3,230	13,482	25.0	53,929	27,615	5,805	21,991	55,360	63,623	7,074	25,150	13,482	109,309	56.5	17.9	12.9	49.3
3. Baras	699	140	151	175	15.0	1,165	630	0	101	731	1,829	1,140	252	175	1,895	52.6	100.0	59.9	61.4
4. Binangonan	22,135	4,627	4,781	5,531	15.0	35,874	2,963	0	3,187	5,250	24,198	4,427	7,963	5,531	42,124	91.5	100.0	68.0	87.5
5. Calamba	48,671	944	38	16,587	25.0	66,279	5,930	6,667	65,880	78,127	54,251	7,610	65,988	16,587	144,397	89.7	12.4	0.1	45.9
6. Cardona	1,095	219	237	274	15.0	1,825	1,020	0	158	1,178	2,115	219	385	274	3,003	51.8	100.0	69.3	60.8
7. Jala-Jala	988	188	213	247	15.0	1,646	490	0	142	632	1,478	198	355	247	2,278	66.8	100.0	60.0	72.3
8. Montalban	9,288	87	31	3,135	25.0	12,542	2,187	1,774	5,357	9,318	11,475	1,861	5,368	3,135	21,860	80.9	4.7	0.5	57.4
9. Muntinlupa	2,441	483	529	611	15.0	4,076	566	0	352	1,318	4,889	881	1,104	611	5,394	71.7	100.0	60.0	75.6
10. Pililla	3,067	613	662	765	15.0	5,108	832	0	442	1,324	3,949	613	1,104	765	6,432	77.7	100.0	60.0	79.4
11. San Mateo	14,476	390	100	4,989	25.0	19,954	5,274	819	1,099	7,193	19,750	1,209	1,189	4,989	27,147	73.3	32.2	8.3	73.5
12. Tandang	8,385	1,677	1,811	2,095	15.0	13,968	1,365	0	1,208	2,574	1,677	3,019	2,095	1,677	16,542	86.0	100.0	60.0	84.4
13. Taytay	32,453	767	158	11,126	25.0	44,504	3,721	2,452	30,207	35,380	36,174	3,213	30,365	11,126	80,684	89.7	23.8	0.5	55.0
14. Teresa	1,581	316	312	395	15.0	2,634	458	0	228	686	2,039	316	570	395	3,320	77.5	100.0	60.0	79.3
TOTAL	2,136,228	821,731	308,995	1,077,439	24.8	4,344,394	245,812	136,278	509,971	832,082	2,382,040	988,009	318,987	1,077,439	5,236,455	89.7	85.8	37.7	83.0

TABLE 13.4.13 DISTRIBUTION OF WATER DEMAND IN 1995 (SCENARIO 2),
BY SOURCE

CITY/ MUNICIPALITY	WATER DEMAND (M3/D)			MWSS BREAKDOWN (%)		MWSS BREAKDOWN (M3/D)		PRIVATE	GROUND-	G.W.
	MWSS	PRIVATE	TOTAL	SURFACE WATER	GROUND- WATER	SURFACE WATER	GROUND- WATER	GROUND- WATER	WATER TOTAL	SHARE (%)
I. NCR	2,597,312	742,276	3,339,588	98.3	1.7	2,552,414	44,898	742,276	787,174	23.6
1. Manila	681,100	29,796	710,897	100.0	0.0	681,100	0	29,796	29,796	4.2
2. Pasay City	105,590	22,731	128,321	95.2	4.8	100,508	5,082	22,731	27,813	21.7
3. Quezon City	642,072	83,254	725,326	97.1	2.9	623,746	18,326	83,254	101,580	14.0
4. Calookan City	167,729	48,176	215,905	100.0	0.0	167,729	0	48,176	48,176	22.3
5. Las Pinas	47,307	67,013	114,320	96.3	3.7	45,573	1,734	67,013	68,747	60.1
6. Makati	231,774	25,581	257,355	96.8	3.2	224,414	7,360	25,581	32,941	12.8
7. Malabon	71,165	31,270	102,435	98.3	1.7	69,921	1,244	31,270	32,514	31.7
8. Mandaluyong	95,271	10,729	106,000	100.0	0.0	95,271	0	10,729	10,729	10.1
9. Marikina	90,788	14,380	105,169	100.0	0.0	90,788	0	14,380	14,380	13.7
10. Muntinlupa	32,049	83,453	115,501	78.1	21.9	25,030	7,019	83,453	90,472	78.3
11. Navotas	46,507	6,480	52,987	99.3	0.7	46,194	313	6,480	6,793	12.8
12. Paranaque	113,095	69,929	183,025	98.4	1.6	111,327	1,768	69,929	71,697	39.2
13. Pasig	130,063	90,273	220,336	99.8	0.2	129,807	256	90,273	90,529	41.1
14. Pateros	6,657	7,401	14,057	100.0	0.0	6,657	0	7,401	7,401	52.6
15. San Juan	63,517	1,887	65,404	100.0	0.0	63,517	0	1,887	1,887	2.9
16. Taguig	15,787	92,662	108,449	94.6	5.4	14,940	847	92,662	93,509	86.2
17. Valenzuela	56,841	57,261	114,101	98.3	1.7	55,892	949	57,261	58,210	51.0
II. CAVITE	67,529	62,769	130,299	22.3	77.7	15,061	52,468	62,769	115,237	88.4
1. Bacoor	22,617	19,808	42,425	66.6	33.4	15,061	7,556	19,808	27,364	64.5
2. Cavite City	17,375	10,917	28,293	0.0	100.0	0	17,375	10,917	28,293	100.0
3. Imus	11,245	12,480	23,725	0.0	100.0	0	11,245	12,480	23,725	100.0
4. Kawit	10,929	3,041	13,971	0.0	100.0	0	10,929	3,041	13,971	100.0
5. Noveleta	1,621	3,059	4,680	0.0	100.0	0	1,621	3,059	4,680	100.0
6. Rosario	3,742	13,464	17,205	0.0	100.0	0	3,742	13,464	17,205	100.0
III. RIZAL	76,743	168,794	245,537	17.1	82.9	13,094	63,649	168,794	232,443	94.7
1. Angono	4,628	2,081	6,709	100.0	0.0	4,628	0	2,081	2,081	31.0
2. Antipolo	19,999	37,816	57,816	0.0	100.0	0	19,999	37,816	57,816	100.0
3. Baras	188	596	784	0.0	100.0	0	188	596	784	100.0
4. Binangonan	10,414	5,190	15,604	0.0	100.0	0	10,414	5,190	15,604	100.0
5. Cainta	10,616	66,356	76,972	45.5	54.5	4,830	5,786	66,356	72,142	93.7
6. Cardona	728	1,112	1,840	0.0	100.0	0	728	1,112	1,840	100.0
7. Jala-Jala	109	564	673	0.0	100.0	0	109	564	673	100.0
8. Montalban	5,680	7,918	13,599	0.0	100.0	0	5,680	7,918	13,599	100.0
9. Morong	1,419	1,145	2,564	0.0	100.0	0	1,419	1,145	2,564	100.0
10. Pililla	1,045	1,202	2,247	0.0	100.0	0	1,045	1,202	2,247	100.0
11. San Mateo	6,648	7,502	14,150	0.0	100.0	0	6,648	7,502	14,150	100.0
12. Tanay	3,225	2,301	5,526	0.0	100.0	0	3,225	2,301	5,526	100.0
13. Taytay	11,331	34,291	45,622	32.1	67.9	3,636	7,695	34,291	41,986	92.0
14. Teresa	713	718	1,431	0.0	100.0	0	713	718	1,431	100.0
TOTAL	2,741,584	973,839	3,715,423	94.1	5.9	2,580,569	161,015	973,839	1,134,854	30.5

TABLE 13.4.14 DISTRIBUTION OF WATER DEMAND IN 2000 (SCENARIO 2),
BY SOURCE

CITY/ MUNICIPALITY	WATER DEMAND (M3/D)			HWSS BREAKDOWN (%)		HWSS BREAKDOWN (M3/D)		PRIVATE	GROUND-	G.W.
	HWSS	PRIVATE	TOTAL	SURFACE WATER	GROUND- WATER	SURFACE WATER	GROUND- WATER	GROUND- WATER	WATER TOTAL	SHARE (%)
I. NCR	3,039,444	692,223	3,731,667	98.5	1.5	2,994,546	44,898	692,223	737,121	19.8
1. Manila	715,862	27,866	743,728	100.0	0.0	715,862	0	27,866	27,866	3.7
2. Pasay City	122,662	19,618	142,280	95.9	4.1	117,580	5,082	19,618	24,700	17.4
3. Quezon City	710,182	81,471	791,653	97.4	2.6	691,856	18,326	81,471	99,797	12.6
4. Calookan City	208,070	38,462	246,532	100.0	0.0	208,070	0	38,462	38,462	15.6
5. Las Pinas	100,145	59,013	159,158	98.3	1.7	98,411	1,734	59,013	60,747	38.2
6. Makati	258,098	20,844	278,943	97.1	2.9	250,738	7,360	20,844	28,204	10.1
7. Malabon	87,616	27,304	114,921	98.6	1.4	86,372	1,244	27,304	28,548	24.8
8. Mandaluyong	104,166	10,395	114,560	100.0	0.0	104,166	0	10,395	10,395	9.1
9. Marikina	99,235	16,094	115,328	100.0	0.0	99,235	0	16,094	16,094	14.0
10. Muntinlupa	69,874	78,387	148,261	90.0	10.0	62,855	7,019	78,387	85,406	57.6
11. Navotas	52,977	4,761	57,737	99.4	0.6	52,664	313	4,761	5,074	8.8
12. Paranaque	149,761	56,100	205,861	98.8	1.2	147,993	1,768	56,100	57,868	28.1
13. Pasig	150,009	101,430	251,439	99.8	0.2	149,753	256	101,430	101,686	40.4
14. Pateros	11,041	5,813	16,854	100.0	0.0	11,041	0	5,813	5,813	34.5
15. San Juan	64,108	1,888	65,996	100.0	0.0	64,108	0	1,888	1,888	2.9
16. Taguig	57,060	81,537	138,597	98.5	1.5	56,213	847	81,537	82,384	59.4
17. Valenzuela	78,578	61,241	139,818	98.8	1.2	77,629	949	61,241	62,190	44.5
II. CAVITE	117,566	49,032	166,598	39.7	60.3	46,709	70,858	49,032	119,890	72.0
1. Bacoor	49,666	9,713	59,379	84.8	15.2	42,110	7,556	9,713	17,269	29.1
2. Cavite City	23,500	9,649	33,148	0.0	100.0	0	23,500	9,649	33,148	100.0
3. Imus	18,277	11,351	29,628	0.0	100.0	0	18,277	11,351	29,628	100.0
4. Kawit	15,328	1,855	17,183	30.0	70.0	4,598	10,730	1,855	12,585	73.2
5. Noveleta	4,558	1,702	6,260	0.0	100.0	0	4,558	1,702	6,260	100.0
6. Rosario	6,238	14,763	21,001	0.0	100.0	0	6,238	14,763	21,001	100.0
III. RIZAL	148,897	178,262	327,159	42.2	57.8	62,799	86,098	178,262	264,360	80.8
1. Angono	7,907	2,419	10,326	100.0	0.0	7,907	0	2,419	2,419	23.4
2. Antipolo	30,215	45,283	75,498	6.1	93.9	1,834	28,381	45,283	73,664	97.6
3. Baras	291	658	949	0.0	100.0	0	291	658	949	100.0
4. Binangonan	16,775	5,620	22,395	0.0	100.0	0	16,775	5,620	22,395	100.0
5. Cainta	36,463	67,162	103,625	84.1	15.9	30,677	5,786	67,162	72,948	70.4
6. Cardona	971	1,164	2,135	0.0	100.0	0	971	1,164	2,135	100.0
7. Jala-Jala	414	610	1,024	0.0	100.0	0	414	610	1,024	100.0
8. Montalban	8,189	8,566	16,755	18.4	81.6	1,505	6,684	8,566	15,250	91.0
9. Morong	1,928	1,216	3,144	0.0	100.0	0	1,928	1,216	3,144	100.0
10. Pililla	1,786	1,302	3,088	0.0	100.0	0	1,786	1,302	3,088	100.0
11. San Mateo	10,354	7,844	18,198	21.5	78.5	2,224	8,130	7,844	15,974	87.8
12. Tanay	6,039	2,559	8,598	0.0	100.0	0	6,039	2,559	8,598	100.0
13. Taytay	26,346	33,120	59,466	70.8	29.2	18,651	7,695	33,120	40,815	68.6
14. Teresa	1,219	739	1,958	0.0	100.0	0	1,219	739	1,958	100.0
TOTAL	3,305,908	919,517	4,225,424	93.9	6.1	3,104,053	201,854	919,517	1,121,371	26.5

TABLE 13.4.15 DISTRIBUTION OF WATER DEMAND IN 2005 (SCENARIO 2),
BY SOURCE

CITY/ MUNICIPALITY	WATER DEMAND (M3/D)			NWSS BREAKDOWN (%)		NWSS BREAKDOWN (M3/D)		PRIVATE	GROUND-	G.W.
	NWSS	PRIVATE	TOTAL	SURFACE WATER	GROUND- WATER	SURFACE WATER	GROUND- WATER	GROUND- WATER	WATER TOTAL	SHARE (%)
I. NCR	3,379,765	660,888	4,040,653	98.7	1.3	3,334,867	44,898	660,888	705,786	17.5
1. Manila	738,301	27,472	765,773	100.0	0.0	738,301	0	27,472	27,472	3.6
2. Pasay City	136,214	16,708	152,922	96.3	3.7	131,132	5,082	16,708	21,790	14.2
3. Quezon City	760,536	81,874	842,410	97.6	2.4	742,210	18,326	81,874	100,200	11.9
4. Calookan City	235,267	33,970	269,237	100.0	0.0	235,267	0	33,970	33,970	12.6
5. Las Pinas	147,408	54,444	201,852	98.8	1.2	145,674	1,734	54,444	56,178	27.8
6. Makati	272,451	20,920	293,371	97.3	2.7	265,091	7,360	20,920	28,280	9.6
7. Malabon	98,128	25,351	123,479	98.7	1.3	96,884	1,244	25,351	26,595	21.5
8. Mandaluyong	110,518	10,394	120,911	100.0	0.0	110,518	0	10,394	10,394	8.6
9. Marikina	107,886	16,326	124,213	100.0	0.0	107,886	0	16,326	16,326	13.1
10. Muntinlupa	102,228	74,043	176,271	93.1	6.9	95,209	7,019	74,043	81,062	46.0
11. Navotas	55,863	4,737	60,600	99.4	0.6	55,550	313	4,737	5,050	8.3
12. Paranaque	165,308	51,397	216,705	98.9	1.1	163,540	1,768	51,397	53,165	24.5
13. Pasig	180,050	101,771	281,821	99.9	0.1	179,794	256	101,771	102,027	36.2
14. Pateros	13,701	4,992	18,693	100.0	0.0	13,701	0	4,992	4,992	26.7
15. San Juan	64,133	1,888	66,020	100.0	0.0	64,133	0	1,888	1,888	2.9
16. Taguig	82,341	77,597	159,938	99.0	1.0	81,494	847	77,597	78,444	49.0
17. Valenzuela	109,432	57,005	166,437	99.1	0.9	108,483	949	57,005	57,954	34.8
II. CAVITE	148,169	42,252	190,421	52.2	47.8	77,310	70,859	42,252	113,111	59.4
1. Bacoor	60,133	8,945	69,078	87.4	12.6	52,577	7,556	8,945	16,501	23.9
2. Cavite City	29,743	6,819	36,562	21.0	79.0	6,243	23,500	6,819	30,319	82.9
3. Imus	23,907	10,061	33,968	23.5	76.5	5,630	18,277	10,061	28,338	83.4
4. Kawit	18,502	603	19,105	42.0	58.0	7,772	10,730	603	11,333	59.3
5. Novleta	5,742	1,284	7,027	20.6	79.4	1,184	4,558	1,284	5,842	83.1
6. Rosario	10,141	14,539	24,680	38.5	61.5	3,903	6,238	14,539	20,777	84.2
III. RIZAL	204,739	193,711	398,449	48.7	51.3	99,731	105,008	193,711	298,718	75.0
1. Angono	12,701	2,592	15,293	100.0	0.0	12,701	0	2,592	2,592	16.9
2. Antipolo	39,332	51,175	90,506	21.8	78.2	8,572	30,760	51,175	81,934	90.5
3. Baras	642	708	1,350	0.0	100.0	0	642	708	1,350	100.0
4. Binangonan	25,501	5,671	31,172	0.0	100.0	0	25,501	5,671	31,172	100.0
5. Cainta	48,686	73,627	122,313	88.1	11.9	42,900	5,786	73,627	79,413	64.9
6. Cardona	1,347	1,188	2,535	0.0	100.0	0	1,347	1,188	2,535	100.0
7. Jala-Jala	911	638	1,549	0.0	100.0	0	911	638	1,549	100.0
8. Montalban	10,188	8,936	19,124	34.4	65.6	3,504	6,684	8,936	15,620	81.7
9. Morong	2,833	1,290	4,123	0.0	100.0	0	2,833	1,290	4,123	100.0
10. Pililla	3,462	1,356	4,818	0.0	100.0	0	3,462	1,356	4,818	100.0
11. San Mateo	14,124	7,833	21,958	42.4	57.6	5,994	8,130	7,833	15,963	72.7
12. Tanay	9,425	2,662	12,087	0.0	100.0	0	9,425	2,662	12,087	100.0
13. Taytay	33,754	35,304	69,058	77.2	22.8	26,059	7,695	35,304	42,999	62.3
14. Teresa	1,832	730	2,562	0.0	100.0	0	1,832	730	2,562	100.0
TOTAL	3,732,673	896,850	4,629,523	94.1	5.9	3,511,908	220,765	896,850	1,117,615	24.1

TABLE 13.4.16 DISTRIBUTION OF WATER DEMAND IN 2010 (SCENARIO 2),
BY SOURCE

CITY/ MUNICIPALITY	WATER DEMAND (M3/D)			HWSS BREAKDOWN (%)		HWSS BREAKDOWN (M3/D)		PRIVATE GROUND- WATER	GROUND- WATER TOTAL	G.W. SHARE (%)
	HWSS	PRIVATE	TOTAL	SURFACE WATER	GROUND- WATER	SURFACE WATER	GROUND- WATER			
I. NCR	3,875,221	652,943	4,528,164	98.8	1.2	3,830,323	44,898	652,943	697,841	15.4
1. Manila	804,366	27,359	831,725	100.0	0.0	804,366	0	27,359	27,359	3.3
2. Pasay City	153,165	16,736	169,901	96.7	3.3	148,083	5,082	16,736	21,818	12.8
3. Quezon City	852,444	82,662	935,106	97.9	2.1	834,118	18,326	82,662	100,988	10.8
4. Caloocan City	277,565	27,960	305,524	100.0	0.0	277,565	0	27,960	27,960	9.2
5. Las Pinas	193,732	59,540	253,271	99.1	0.9	191,998	1,734	59,540	61,274	24.2
6. Makati	302,437	21,036	323,473	97.6	2.4	295,077	7,360	21,036	28,396	8.8
7. Malabon	114,113	22,979	137,092	98.9	1.1	112,869	1,244	22,979	24,223	17.7
8. Mandaluyong	122,989	10,456	133,445	100.0	0.0	122,989	0	10,456	10,456	7.8
9. Marikina	122,203	16,626	138,829	100.0	0.0	122,203	0	16,626	16,626	12.0
10. Muntinlupa	130,955	76,108	207,063	94.6	5.4	123,936	7,019	76,108	83,127	40.1
11. Navotas	61,692	4,787	66,479	99.5	0.5	61,379	313	4,787	5,100	7.7
12. Paranaque	179,516	51,981	231,497	99.0	1.0	177,748	1,768	51,981	53,749	23.2
13. Pasig	218,549	102,216	320,765	99.9	0.1	218,293	256	102,216	102,472	31.9
14. Pateros	17,304	3,904	21,207	100.0	0.0	17,304	0	3,904	3,904	18.4
15. San Juan	67,826	1,880	69,706	100.0	0.0	67,826	0	1,880	1,880	2.7
16. Taguig	112,727	72,057	184,784	99.2	0.8	111,880	847	72,057	72,904	39.5
17. Valenzuela	143,638	54,657	198,295	99.3	0.7	142,689	949	54,657	55,606	28.0
II. CAVITE	185,381	36,511	221,892	61.8	38.2	114,522	70,859	36,511	107,370	48.4
1. Bacoor	71,736	10,409	82,145	89.5	10.5	64,180	7,556	10,409	17,965	21.9
2. Cavite City	35,075	5,379	40,454	33.0	67.0	11,575	23,500	5,379	28,879	71.4
3. Imus	34,138	6,250	40,388	46.5	53.5	15,861	18,277	6,250	24,527	60.7
4. Kawit	21,778	0	21,778	50.7	49.3	11,048	10,730	0	10,730	49.3
5. Noveleta	7,289	816	8,105	37.5	62.5	2,731	4,558	816	5,374	66.3
6. Rosario	15,365	13,657	29,022	59.4	40.6	9,127	6,238	13,657	19,895	68.6
III. RIZAL	283,791	202,608	486,399	53.7	46.3	152,420	131,371	202,608	333,979	68.7
1. Angono	19,296	2,516	21,812	100.0	0.0	19,296	0	2,516	2,516	11.5
2. Antipolo	53,929	55,380	109,309	33.7	66.3	18,149	35,780	55,380	91,160	83.4
3. Baras	1,165	731	1,896	0.0	100.0	0	1,165	731	1,896	100.0
4. Binangonan	36,874	5,250	42,124	0.0	100.0	0	36,874	5,250	42,124	100.0
5. Cainta	66,270	78,127	144,397	91.3	8.7	60,484	5,786	78,127	83,913	58.1
6. Cardona	1,825	1,178	3,003	0.0	100.0	0	1,825	1,178	3,003	100.0
7. Jala-Jala	1,646	632	2,278	0.0	100.0	0	1,646	632	2,278	100.0
8. Montalban	12,542	9,318	21,860	46.7	53.3	5,858	6,684	9,318	16,002	73.2
9. Morong	4,076	1,318	5,394	0.0	100.0	0	4,076	1,318	5,394	100.0
10. Pililla	5,108	1,324	6,432	0.0	100.0	0	5,108	1,324	6,432	100.0
11. San Mateo	19,954	7,193	27,147	59.3	40.7	11,824	8,130	7,193	15,323	56.4
12. Tanay	13,968	2,574	16,542	0.0	100.0	0	13,968	2,574	16,542	100.0
13. Taytay	44,504	36,380	80,884	82.7	17.3	36,809	7,695	36,380	44,075	54.5
14. Teresa	2,634	686	3,320	0.0	100.0	0	2,634	686	3,320	100.0
TOTAL	4,344,394	892,062	5,236,455	94.3	5.7	4,097,265	247,128	892,062	1,139,190	21.8

TABLE 13.4-17 SUMMARY OF PROJECTED WATER DEMAND IN 1995 (SCHEMATIC 3)

CITY/ MUNICIPALITY	MWS SERVED WATER DEMAND (M3/D)			PRIVATELY SERVED WATER DEMAND (M3/D)			TOTAL WATER DEMAND (M3/D)			MWS SERVICE RATIO (%)						
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	D	C	I	T		
11. MCR	11,126,290	448,632	113,331	315,307	101,829	324,540	742,276	1,442,197	437,871	903,065	13,339,588	78.1	81.5	25.9	77.8	
11. Manila	252,399	187,797	22,519	19,345	4,665	5,786	29,756	271,745	172,462	239,285	710,397	52.9	37.3	79.6	95.8	
12. Pasay City	43,524	23,293	1,817	10,561	8,795	3,375	22,721	54,095	32,088	35,957	128,321	80.5	72.6	35.0	82.3	
13. Quezon City	278,412	116,705	30,170	32,246	27,641	32,368	83,254	233,717	144,346	224,725	725,326	32.1	80.3	48.2	88.5	
14. Caloocan City	81,415	15,433	12,175	39,338	3,674	4,665	48,176	121,254	19,197	53,705	215,905	67.1	80.8	72.3	77.7	
15. Las Pinas	29,775	786	189	37,007	4,658	25,348	61,013	66,762	5,444	25,537	114,320	44.6	14.4	0.7	41.4	
16. Malabon	80,974	63,337	6,342	10,477	11,721	3,333	25,581	91,451	75,058	9,725	257,555	83.5	84.4	65.2	90.1	
17. Marikina	31,364	4,600	10,273	14,889	2,016	14,565	31,270	46,074	6,616	24,838	102,435	68.1	58.5	41.4	68.5	
18. Muntinlupa	36,610	14,763	10,553	33,345	3,353	5,353	10,729	39,858	16,891	33,345	106,600	91.9	87.4	66.3	89.9	
19. Marikina	52,397	4,974	1,701	4,343	1,773	8,264	14,360	56,741	6,687	31,776	105,169	32.3	73.5	17.1	86.3	
20. Pasig	20,635	99	97	32,048	10,423	41,459	83,453	52,208	10,521	41,558	115,501	39.5	0.9	0.2	27.7	
21. Navotas	24,677	2,742	2,811	4,120	621	1,739	6,480	28,797	3,363	4,530	16,278	52,387	85.7	81.5	61.3	87.8
22. Parañaque	62,984	8,497	2,031	42,310	5,223	21,336	69,929	105,254	14,750	23,427	183,025	59.8	57.7	8.7	61.8	
23. Pasig	62,985	11,836	9,770	9,182	8,431	72,689	90,773	72,117	20,268	32,430	45,522	220,335	87.3	58.4	11.9	63.0
24. Palerong	4,262	71	4	2,330	5,657	1,739	7,401	1,739	71	2,128	2,330	14,057	44.6	100.0	0.2	47.4
25. San Juan	29,410	10,412	1,463	1,701	97	59	1,887	31,141	10,510	1,522	22,231	65,404	94.4	99.1	96.1	97.1
26. Pasig	9,793	457	11	39,207	4,629	49,828	92,682	48,000	5,086	49,838	5,925	108,449	20.4	3.0	0.0	14.6
27. Valenzuela	32,651	2,890	1,406	20,755	4,335	32,171	57,261	53,406	7,224	33,577	114,101	61.1	40.0	4.2	49.8	
III. GAVITE	44,342	1,550	1,389	43,034	6,554	7,162	62,769	33,405	8,193	8,511	28,259	47.5	19.1	16.3	31.8	
11. Bacoor	15,468	340	85	18,918	890	0	19,808	34,325	1,230	85	6,785	42,425	44.9	27.6	100.0	53.3
12. Cavite City	10,544	921	288	6,511	4,406	0	10,917	17,465	5,327	288	5,213	28,232	62.7	17.3	100.0	61.4
13. Imus	7,781	82	9	11,023	315	641	12,483	18,304	838	530	3,374	23,725	41.4	9.1	1.3	47.4
14. Kawit	6,802	155	694	3,941	0	0	3,941	9,343	155	594	3,279	13,971	69.1	100.0	100.0	78.2
15. Noveleta	1,022	6	107	3,959	0	0	3,959	4,080	6	107	486	4,680	25.0	100.0	100.0	34.6
16. Rosario	2,366	46	207	6,542	441	6,481	13,464	8,998	487	6,688	1,123	17,205	26.6	9.5	3.1	21.7
III. BIZAL	47,546	5,109	3,347	71,104	10,559	87,131	128,794	118,640	15,668	90,479	20,750	245,537	40.1	32.6	3.7	31.3
11. Angono	3,115	623	196	1,156	0	925	2,081	4,271	1,121	623	694	6,709	72.9	100.0	17.5	69.0
12. Antipolo	11,090	765	2,145	19,774	3,459	14,543	37,816	30,884	4,254	15,688	6,000	57,816	35.9	17.9	12.9	34.6
13. Berez	127	25	8	558	0	38	596	585	25	46	28	784	18.5	100.0	17.4	23.9
14. Birstanman	7,008	1,402	442	3,109	0	2,681	5,190	10,117	1,402	2,523	1,562	15,604	69.3	100.0	17.5	66.7
15. Calamba	6,273	569	58	18,589	4,018	43,748	66,346	24,882	4,587	45,807	3,716	76,972	25.2	12.4	0.1	13.8
16. Cardona	490	38	31	986	0	146	1,112	1,456	98	177	109	1,840	33.7	100.0	17.5	39.6
17. Fala-Jala	73	15	2	542	0	22	564	615	15	27	16	673	11.9	100.0	18.5	16.2
18. Montalban	3,963	53	21	3,292	1,069	3,567	7,918	7,152	3,578	1,704	13,599	54.2	4.7	0.6	41.8	
19. Morong	955	191	60	861	0	284	1,145	1,816	191	344	213	2,554	22.6	100.0	17.4	55.3
20. Piliilla	703	141	44	993	0	309	1,292	1,636	141	253	157	2,247	41.5	100.0	17.4	46.5
21. San Mateo	4,322	235	56	6,278	494	730	7,502	10,630	723	736	1,994	14,150	40.9	32.2	8.3	47.0
22. Tamy	2,170	434	137	1,556	0	615	2,301	3,825	434	782	484	5,125	56.7	100.0	17.5	58.4
23. Taytay	5,788	462	105	12,754	1,478	20,059	34,291	19,552	1,941	20,164	3,968	45,522	34.8	23.8	0.3	24.8
24. Teresa	480	96	30	575	0	143	718	1,055	96	173	107	1,431	45.5	100.0	17.3	49.8
TOTAL	11,218,158	455,231	118,058	436,105	118,941	418,793	973,839	1,654,262	574,232	536,861	950,068	13,715,423	73.6	79.3	22.0	73.8

TABLE 13.4.18 SUMMARY OF PROJECTED WATER DEMAND IN 2000 (SCENARIO 2)

CITY/ MUNICIPALITY	WSS SERVED WATER DEMAND (M3/D)				PRIVATELY SERVED WATER DEMAND (M3/D)				TOTAL WATER DEMAND (M3/D)				WSS SERVICE RATIO (%)				
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	D	C	I	T	
I. MCR	1,420,202	570,123	191,328	934,994	311,812	101,829	324,540	638,180	1,622,014	671,922	515,868	934,994	13,754,828	87.0	84.8	37.1	83.0
1. Manila	267,682	205,861	27,580	499,123	17,415	4,665	5,786	27,866	285,097	210,526	32,746	518,369	743,728	33.9	97.3	82.6	86.3
2. Pasay City	52,747	30,375	2,742	85,764	7,448	8,795	3,375	19,618	60,186	39,170	6,116	105,472	142,280	87.5	77.5	44.8	86.2
3. Quezon City	307,254	148,563	41,310	497,127	21,482	27,841	32,388	81,711	328,717	276,204	73,677	678,601	1,254,817	84.3	84.3	58.1	83.7
4. Caloocan City	110,825	19,650	15,174	145,649	30,123	3,674	4,665	38,462	140,943	23,324	19,639	162,906	246,532	78.6	84.2	76.5	84.5
5. Las Pinas	68,820	1,987	4,788	75,595	23,483	4,688	25,348	53,470	32,383	30,866	32,419	161,533	74.6	29.5	15.7	66.9	
6. San Jose	92,651	79,903	8,074	180,628	11,721	5,749	3,383	20,853	38,432	31,623	11,458	79,423	238,943	87.2	70.5	52.5	82.5
7. Malabon	40,574	6,060	14,688	61,322	10,723	2,016	14,565	27,304	51,287	3,878	29,263	26,285	114,921	79.1	75.0	50.2	76.2
8. Mandaluyong	41,038	18,491	13,386	72,915	2,914	2,128	5,353	10,335	43,952	20,620	18,739	31,250	114,560	93.4	88.7	71.4	90.9
9. Marikina	61,462	6,390	3,476	71,328	4,194	1,773	6,264	14,231	65,656	8,163	11,739	30,569	116,127	39.6	78.3	29.6	87.7
10. Muntinlupa	48,677	2,421	7,499	58,597	10,423	41,659	68,702	65,488	12,943	48,958	25,113	152,412	74.3	18.8	15.3	54.9	
11. Navotas	29,978	3,484	3,621	37,083	621	1,739	4,761	32,379	4,109	5,360	15,893	57,737	32.6	84.9	67.8	91.8	
12. Paranaque	92,068	13,746	6,204	112,018	6,223	5,223	50,915	115,364	17,969	27,600	47,150	208,083	79.8	65.4	22.5	75.5	
13. Pasig	79,047	16,309	24,453	119,809	8,431	72,658	86,626	84,583	21,741	97,113	51,347	257,783	93.5	65.9	25.2	66.4	
14. Patros	7,638	383	3,475	11,496	3,311	2,124	5,435	10,949	88	2,507	3,475	17,017	89.8	100.0	15.3	88.1	
15. San Juan	30,409	12,732	1,735	44,876	97	59	1,888	32,141	12,829	1,794	19,232	65,996	34.6	99.2	96.7	97.1	
16. Taguig	39,371	1,580	8,889	49,840	4,629	49,828	71,840	58,566	6,208	58,715	21,360	142,388	89.6	26.4	15.1	49.8	
17. Valenzuela	49,820	4,484	1,387	55,691	18,048	4,335	39,171	54,554	67,888	8,919	39,558	142,694	73.4	50.8	18.7	61.8	
III. CAJUPIT	78,768	3,338	2,905	84,911	32,611	5,554	7,122	45,317	111,109	9,992	10,027	35,434	187,762	70.7	33.7	29.0	72.4
1. Bacoor	34,252	611	100	35,363	8,626	890	0	9,516	42,878	1,502	100	14,984	59,463	79.9	40.7	100.0	84.0
2. Cavite City	14,587	2,097	339	17,023	4,406	0	8,676	15,268	19,268	6,503	339	7,467	33,585	77.8	32.2	100.0	74.2
3. Imus	12,683	280	125	13,088	9,599	816	641	11,057	22,283	1,995	766	5,609	29,754	56.9	25.6	16.3	62.8
4. Marik	9,723	189	818	10,730	1,855	0	1,855	11,578	189	818	4,588	17,183	84.0	100.0	100.0	89.2	
5. Noveleta	3,957	8	126	4,191	1,702	0	1,702	4,793	8	126	1,387	6,260	84.2	100.0	100.0	72.8	
6. Rosario	4,066	154	1,388	5,608	6,580	441	6,481	13,511	19,656	595	7,879	2,408	21,537	38.2	25.8	17.7	37.3
III. RIZAL	96,991	7,395	5,440	109,826	148,897	12,889	103,472	178,262	158,091	20,285	108,913	39,070	327,159	61.0	36.5	5.0	46.5
11. Aligona	5,138	1,028	555	6,721	1,124	0	1,295	2,419	6,262	1,028	1,850	1,186	10,326	82.1	100.0	30.0	76.0
12. Antipolo	17,690	934	2,527	21,151	23,877	4,271	17,134	45,283	41,567	5,205	19,651	9,064	75,488	42.6	17.9	12.9	40.0
13. Baras	189	38	20	247	610	0	48	658	799	38	68	44	949	23.7	100.0	29.5	30.8
14. Binangonan	10,902	2,180	1,177	14,259	2,873	0	2,747	5,620	15,775	2,180	3,924	2,516	22,395	79.1	100.0	30.0	74.9
15. Calatagan	24,761	695	68	25,524	10,715	4,905	51,541	67,162	35,476	5,600	51,610	10,939	103,625	69.8	12.4	0.1	35.2
16. Cainta	631	126	68	825	1,005	0	159	1,164	1,636	126	237	146	2,135	38.6	100.0	30.0	45.5
17. Jala-Jala	269	54	29	352	542	0	68	610	811	54	97	62	1,024	33.2	100.0	29.9	40.4
18. Montalban	5,644	64	24	5,732	3,070	1,405	4,191	8,586	8,714	1,370	4,215	2,457	16,755	64.3	4.7	0.6	48.9
19. Morong	1,253	251	135	1,639	900	0	316	1,216	2,153	251	451	289	3,144	58.2	100.0	29.9	61.3
20. Pili	1,161	232	135	1,528	1,010	0	292	1,302	2,688	2,171	417	268	3,088	53.5	100.0	30.0	57.8
111. San Mateo	6,883	287	78	7,248	6,381	603	860	7,844	13,254	890	938	3,106	18,193	51.9	32.2	8.3	56.9
112. Tanay	3,924	785	424	5,133	1,570	0	889	2,559	5,494	785	1,413	906	6,988	71.4	100.0	30.0	70.2
113. Taytay	17,754	555	124	18,433	7,663	1,804	23,632	35,129	25,437	2,369	7,904	59,466	69.8	23.8	0.5	44.3	
114. Teresa	792	158	86	1,036	539	0	290	739	1,331	158	266	183	1,958	59.5	100.0	30.1	62.3
TOTAL	11,585,962	580,857	199,674	12,366,493	308,363	121,272	435,134	862,759	1,902,314	702,129	634,808	1,010,438	4,249,749	83.9	82.7	31.5	79.7

TABLE 13.4.15 SUMMARY OF PROJECTED WATER DEMAND IN 2005 (SCENARIO 3)

CITY/ MUNICIPALITY	RWSS SERVED WATER DEMAND (M3/D)			PRIVATELY SERVED WATER DEMAND (M3/D)			TOTAL WATER DEMAND (M3/D)			RWSS SERVICE RATIO (%)						
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	D	C	I	T			
I. NCR	1,634,341	690,240	261,285	180,476	101,829	324,540	608,845	1,814,818	782,063	598,825	862,958	14,058,667	90.1	87.1	44.9	85.0
1. Manila	277,955	243,494	32,276	17,021	4,655	5,798	27,472	294,976	248,160	39,062	184,575	765,173	94.2	98.1	84.8	96.4
2. Pasay City	61,177	37,377	3,607	4,538	8,795	3,375	16,708	65,172	46,172	6,981	34,054	152,922	91.1	81.0	51.7	89.1
3. Quezon City	339,618	180,961	51,730	21,866	27,641	32,368	81,874	360,477	207,702	84,097	190,134	842,410	93.9	86.7	61.5	90.3
4. Caloocan City	134,951	23,820	77,980	25,631	3,674	4,655	33,970	160,282	27,494	22,644	59,617	269,237	84.6	86.6	79.4	87.4
5. Las Pinas	105,932	3,175	8,993	18,894	4,658	25,348	48,901	122,826	7,833	34,341	39,700	203,700	84.6	40.5	26.2	76.0
6. Malabon	98,382	96,282	9,694	5,815	11,721	5,393	20,920	104,178	108,903	13,078	58,113	293,371	94.4	89.1	74.1	92.9
7. Marikina	47,258	7,504	18,356	8,770	2,016	14,565	23,351	56,025	9,519	33,401	24,532	123,479	84.3	78.3	58.4	79.5
8. Mandaluyong	44,975	22,177	16,036	2,913	2,128	5,353	10,394	47,587	24,365	21,389	27,629	120,911	53.9	91.2	75.0	91.4
9. Marikina	59,793	7,850	5,136	4,426	1,773	8,264	14,463	74,219	5,622	19,400	27,993	124,834	94.0	81.6	38.3	88.4
10. Marikina	67,217	4,117	14,423	12,477	10,433	41,459	64,338	79,594	15,139	55,885	28,785	179,600	84.3	51.2	25.8	64.1
11. Navotas	33,400	4,218	4,379	821	1,739	4,737	4,737	35,677	4,839	6,118	13,955	60,600	63.3	87.2	71.6	92.2
12. Parañaque	104,101	14,958	10,107	6,223	21,395	46,212	122,694	21,181	31,503	49,955	218,433	84.5	70.6	32.1	78.8	
13. Pasig	90,921	20,732	38,188	8,411	72,659	86,967	96,798	29,163	110,347	49,947	286,755	93.9	71.1	34.5	69.7	
14. Patros	9,815	102	738	2,489	0	2,124	4,613	12,304	102	2,862	3,551	18,819	79.8	100.0	25.8	75.5
15. San Juan	31,986	15,825	1,968	1,731	37	39	1,888	32,834	15,122	2,047	16,033	66,920	94.7	99.4	97.1	97.1
16. Pasig	51,771	2,889	17,193	13,245	4,629	49,826	67,700	65,015	7,318	67,019	23,824	163,237	79.6	36.8	25.7	58.5
17. Valenzuela	68,119	8,061	12,981	13,812	4,335	32,171	50,318	83,531	10,395	45,193	29,597	159,666	83.5	38.3	28.3	70.2
III. GMTPE	104,412	5,106	4,323	25,861	6,554	7,122	33,537	130,273	11,650	11,445	37,947	191,326	80.1	43.8	31.8	79.3
I. Bacoor	44,903	880	114	7,858	890	0	8,749	52,161	1,770	114	15,059	69,144	84.9	49.7	100.0	87.3
2. Cavite City	19,634	3,259	387	1,440	4,406	0	5,847	21,074	7,666	387	7,760	36,886	93.2	42.5	100.0	64.1
3. Imus	17,516	476	233	8,309	816	641	9,767	25,825	1,232	874	6,075	34,066	87.8	28.8	71.3	71.3
4. Ilihan	12,721	222	934	603	0	0	603	13,323	222	934	4,626	19,105	95.5	100.0	100.0	96.8
5. Novleta	4,154	9	143	1,284	0	0	1,284	5,439	9	143	1,436	7,027	76.4	100.0	100.0	81.7
6. Rosario	6,985	269	2,513	6,366	441	6,421	13,287	12,451	701	8,993	2,953	25,098	48.9	37.1	27.9	47.1
III. RIZAL	139,959	10,320	9,149	60,142	15,183	113,376	193,711	200,032	25,513	137,524	45,519	398,449	69.9	40.1	7.2	51.4
1. Angono	7,927	1,585	1,284	1,022	1,570	2,529	8,949	1,585	2,854	1,585	1,905	15,293	88.6	100.0	45.0	83.1
2. Antipolo	25,514	1,101	2,884	26,583	5,035	19,557	51,173	52,097	6,136	26,441	9,839	90,906	49.0	17.9	12.9	43.5
3. Baras	401	80	65	629	79	708	1,022	1,022	80	144	95	1,450	38.9	100.0	45.1	47.6
4. Binangnan	19,315	3,183	2,578	2,520	0	3,151	5,671	18,435	3,183	5,729	3,825	31,172	86.3	100.0	45.0	81.8
5. Calpa	35,617	819	78	9,014	5,762	58,831	73,627	44,632	6,601	56,909	12,171	122,313	79.8	12.4	0.1	39.8
6. Cardona	841	168	136	1,021	0	167	1,188	1,862	158	303	202	2,535	45.2	100.0	44.9	53.1
7. Jala-Jala	568	114	92	326	0	112	638	1,094	114	204	137	1,549	51.5	100.0	45.1	58.8
8. Kuntalan	7,538	76	28	2,614	1,533	4,184	6,938	10,152	1,614	4,011	2,547	19,124	74.3	4.7	0.8	53.3
9. Morong	1,768	354	266	900	0	350	1,250	2,708	364	638	425	4,123	65.3	100.0	45.0	68.7
10. Pililla	2,161	432	350	928	0	428	1,356	3,099	432	773	519	4,318	70.0	100.0	45.0	71.9
11. San Mateo	10,166	338	89	6,141	711	982	7,833	16,307	1,949	1,711	3,631	21,958	62.3	32.2	8.3	64.3
12. Tanay	5,982	1,175	953	1,497	0	1,165	2,662	7,379	1,176	2,418	1,414	12,087	79.7	100.0	45.0	78.0
13. Taytay	24,909	665	141	6,203	2,127	26,975	35,304	30,712	2,932	27,116	8,439	69,058	79.8	23.8	0.5	48.9
14. Teresa	1,143	229	195	504	0	226	730	1,617	229	411	275	2,562	69.4	100.0	45.0	71.5
TOTAL	1,878,704	705,666	277,758	266,479	123,576	450,037	840,052	2,145,183	829,242	727,095	946,222	14,648,442	87.6	85.1	38.2	81.9

TABLE 13-4.20 SUMMARY OF PROJECTED WATER DEMAND IN 2010 (SCENARIO 3)

CITY/ MUNICIPALITY	MISS SERVED WATER DEMAND (M ³ /D)				PRIVATELY SERVED WATER DEMAND (M ³ /D)				TOTAL WATER DEMAND (M ³ /D)				MISS SERVICES RATIO (%)			
	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	DOMESTIC	COMMERCIAL/INDUSTRIAL	LOSS	TOTAL	D	C	I	T
I. NCR	1,811,246	811,387	334,846	2,947,479	176,931	101,829	324,540	598,900	1,886,777	919,196	659,386	3,465,359	91.3	88.8	50.8	86.8
1. Manila	284,933	281,444	35,837	602,214	15,908	4,655	5,786	27,359	301,901	286,109	42,632	630,642	91.4	88.4	36.4	86.7
2. Pasay City	65,993	44,438	4,443	114,874	4,587	8,755	3,375	16,737	70,560	53,253	7,818	131,631	91.4	88.4	36.4	86.7
3. Quezon City	365,702	211,824	61,807	639,333	29,554	27,641	32,358	89,553	388,355	235,464	34,175	657,994	91.4	88.4	36.4	86.7
4. Caloocan City	159,456	28,924	20,593	208,973	19,621	3,874	4,655	27,960	179,077	31,698	69,391	380,166	91.4	88.4	36.4	86.7
5. Las Pinas	133,351	4,373	19,108	156,832	23,930	4,658	25,348	53,936	157,351	9,051	38,456	205,858	91.4	88.4	36.4	86.7
6. Makati	101,768	112,793	11,252	225,813	5,532	11,721	3,383	21,036	108,700	174,519	14,645	397,864	91.4	88.4	36.4	86.7
7. Marikina	53,787	8,959	22,839	85,585	6,938	2,616	14,585	22,979	50,135	30,915	37,404	118,454	91.4	88.4	36.4	86.7
8. Mandaluyong	47,748	25,894	18,539	92,181	2,915	2,128	5,353	10,456	50,723	28,092	23,942	102,757	91.4	88.4	36.4	86.7
9. Marikina	77,453	9,321	6,742	93,516	4,726	1,773	8,264	14,761	82,119	11,094	15,005	113,938	91.4	88.4	36.4	86.7
10. Muntinlupa	79,760	7,932	21,119	108,811	14,542	10,423	41,459	66,423	94,292	17,454	52,576	219,339	91.4	88.4	36.4	86.7
11. Navotas	36,189	4,938	5,112	46,239	2,427	821	1,739	4,787	38,626	5,578	6,652	44,856	91.4	88.4	36.4	86.7
12. Parañaque	107,742	18,197	13,083	138,122	19,178	6,223	21,396	46,797	126,930	24,420	35,378	186,728	91.4	88.4	36.4	86.7
13. Pasig	102,053	25,196	51,471	178,720	6,222	2,431	72,659	81,412	108,375	33,623	124,150	266,148	91.4	88.4	36.4	86.7
14. Patros	12,158	117	1,081	13,356	1,401	0	2,134	3,535	13,560	117	3,295	21,334	91.4	88.4	36.4	86.7
15. San Juan	31,296	17,338	2,234	50,868	1,724	97	59	1,889	33,022	17,435	2,293	52,750	91.4	88.4	36.4	86.7
16. Taguig	65,410	3,809	25,224	94,443	7,704	4,629	19,826	32,160	73,114	8,437	75,050	156,601	91.4	88.4	36.4	86.7
17. Valenzuela	88,373	7,650	18,392	114,415	11,464	4,335	32,171	47,970	99,337	11,965	50,564	161,866	91.4	88.4	36.4	86.7
III. CAVITE	129,167	6,895	5,695	141,757	20,120	6,554	7,122	33,796	149,287	13,443	12,817	175,547	86.5	51.2	44.4	84.8
1. Bacoor	52,721	1,150	128	54,000	9,222	890	0	10,212	52,043	2,041	128	54,212	85.0	56.4	100.0	87.6
2. Cavite City	22,414	4,431	331	27,176	4,198	816	661	5,955	22,385	1,490	979	24,854	85.0	56.4	100.0	87.6
3. Imus	24,866	674	338	25,878	4,198	816	661	5,955	22,385	1,490	979	24,854	85.0	56.4	100.0	87.6
4. Kawit	15,032	258	1,045	16,335	0	0	0	0	15,032	258	1,045	16,335	85.0	56.4	100.0	87.6
5. Merville	5,296	10	161	5,467	816	0	0	816	6,112	10	161	6,283	85.0	56.4	100.0	87.6
6. Rosario	8,818	367	3,590	12,775	5,484	441	6,481	12,406	14,302	808	10,071	25,183	85.0	56.4	100.0	87.6
III. RIZAL	192,815	13,854	14,834	221,503	54,161	17,517	131,950	202,628	245,976	31,370	146,184	426,399	78.4	44.2	10.1	58.3
1. Angono	11,583	2,317	2,592	16,492	848	0	1,668	2,516	12,451	2,317	4,170	19,138	60.0	60.0	60.0	60.0
2. Antipolo	35,948	1,269	2,230	39,447	27,675	5,805	21,901	45,380	63,623	7,074	25,130	109,309	56.5	17.9	12.9	49.3
3. Baras	69	140	151	300	630	0	101	731	1,329	140	252	1,721	100.0	100.0	59.9	61.4
4. Binangonan	22,153	4,227	4,781	31,161	2,963	0	3,167	5,250	24,198	4,427	7,968	32,673	60.0	60.0	60.0	60.0
5. Calatagan	48,611	944	88	49,643	5,867	6,667	65,800	78,127	54,251	7,610	65,968	114,997	87.5	100.0	0.1	45.9
6. Cardona	1,065	219	237	1,521	1,920	0	158	1,178	2,115	219	355	2,749	60.0	60.0	60.0	60.0
7. Jala-Jala	988	198	213	1,399	490	0	142	632	1,478	198	355	2,071	60.0	60.0	60.0	60.0
8. Marikina	9,288	87	31	9,406	2,187	1,774	5,357	9,318	11,475	1,861	5,388	21,866	60.0	60.0	60.0	60.0
9. Morong	2,447	489	525	3,461	866	0	352	1,318	3,413	489	981	5,394	60.0	60.0	60.0	60.0
10. Pili	3,087	613	662	4,362	882	0	442	1,324	3,949	613	1,104	5,666	60.0	60.0	60.0	60.0
11. San Mateo	14,476	390	1,099	15,965	5,274	819	1,099	7,193	19,750	1,299	1,199	27,447	32.2	8.3	73.5	84.4
12. Tayay	3,185	1,677	1,811	6,673	1,366	0	1,288	2,574	3,951	1,577	3,015	16,542	60.0	60.0	60.0	60.0
13. Tayay	32,453	787	158	33,398	3,721	2,452	30,274	35,309	36,174	3,219	30,563	80,884	89.7	21.8	0.5	55.0
14. Teresa	1,581	316	342	2,239	458	0	238	686	2,039	316	570	3,325	60.0	60.0	60.0	60.0
TOTAL	24,136,228	832,110	355,375	25,323,713	345,812	125,889	463,582	835,304	2,382,040	958,099	818,987	4,149,126	89.7	86.5	43.4	84.1

TABLE 13.4.21 DISTRIBUTION OF WATER DEMAND IN 1995 (SCENARIO 3)
BY SOURCE

CITY/ MUNICIPALITY	WATER DEMAND (M3/D)			HWSS BREAKDOWN (%)		HWSS BREAKDOWN (M3/D)		PRIVATE GROUND- WATER	GROUND- WATER TOTAL	G.W. SHARE (%)
	HWSS	PRIVATE	TOTAL	SURFACE WATER	GROUND- WATER	SURFACE WATER	GROUND- WATER			
I. NCR	2,597,312	742,276	3,339,588	98.3	1.7	2,552,414	44,898	742,276	787,174	23.6
1. Manila	681,100	29,796	710,897	100.0	0.0	681,100	0	29,796	29,796	4.2
2. Pasay City	105,590	22,731	128,321	95.2	4.8	100,508	5,082	22,731	27,813	21.7
3. Quezon City	642,072	83,254	725,326	97.1	2.9	623,746	18,326	83,254	101,580	14.0
4. Calookan City	167,729	48,176	215,905	100.0	0.0	167,729	0	48,176	48,176	22.3
5. Las Pinas	47,307	67,013	114,320	96.3	3.7	45,573	1,734	67,013	68,747	60.1
6. Makati	231,774	25,581	257,355	95.8	3.2	224,414	7,360	25,581	32,941	12.8
7. Malabon	71,165	31,270	102,435	98.3	1.7	69,921	1,244	31,270	32,514	31.7
8. Mandaluyong	95,271	10,729	106,000	100.0	0.0	95,271	0	10,729	10,729	10.1
9. Marikina	90,788	14,380	105,169	100.0	0.0	90,788	0	14,380	14,380	13.7
10. Muntinlupa	32,049	83,453	115,501	78.1	21.9	25,030	7,019	83,453	90,472	78.3
11. Navotas	46,507	6,480	52,987	99.3	0.7	46,194	313	6,480	6,793	12.8
12. Paranaque	113,095	69,929	183,025	98.4	1.6	111,327	1,768	69,929	71,697	39.2
13. Pasig	130,063	90,273	220,336	99.8	0.2	129,807	256	90,273	90,529	41.1
14. Pateros	6,657	7,401	14,057	100.0	0.0	6,657	0	7,401	7,401	52.6
15. San Juan	63,517	1,887	65,404	100.0	0.0	63,517	0	1,887	1,887	2.9
16. Taguig	15,787	92,662	108,449	94.6	5.4	14,940	847	92,662	93,509	86.2
17. Valenzuela	56,841	57,261	114,101	98.3	1.7	55,892	949	57,261	58,210	51.0
II. CAVITE	67,529	62,769	130,299	22.3	77.7	15,061	52,468	62,769	115,237	88.4
1. Bacoor	22,617	19,808	42,425	66.6	33.4	15,061	7,556	19,808	27,364	64.5
2. Cavite City	17,375	10,917	28,293	0.0	100.0	0	17,375	10,917	28,293	100.0
3. Imus	11,245	12,480	23,725	0.0	100.0	0	11,245	12,480	23,725	100.0
4. Kawit	10,929	3,041	13,971	0.0	100.0	0	10,929	3,041	13,971	100.0
5. Noveleta	1,621	3,059	4,680	0.0	100.0	0	1,621	3,059	4,680	100.0
6. Rosario	3,742	13,464	17,205	0.0	100.0	0	3,742	13,464	17,205	100.0
III. RIZAL	76,743	168,794	245,537	17.1	82.9	13,094	63,649	168,794	232,443	94.7
1. Angono	4,628	2,081	6,709	100.0	0.0	4,628	0	2,081	2,081	31.0
2. Antipolo	19,999	37,816	57,816	0.0	100.0	0	19,999	37,816	57,816	100.0
3. Baras	188	596	784	0.0	100.0	0	188	596	784	100.0
4. Binangonan	10,414	5,190	15,604	0.0	100.0	0	10,414	5,190	15,604	100.0
5. Cainta	10,616	66,356	76,972	45.5	54.5	4,830	5,786	66,356	72,142	93.7
6. Cardona	728	1,112	1,840	0.0	100.0	0	728	1,112	1,840	100.0
7. Jala-Jala	109	564	673	0.0	100.0	0	109	564	673	100.0
8. Montalban	5,680	7,918	13,599	0.0	100.0	0	5,680	7,918	13,599	100.0
9. Morong	1,419	1,145	2,564	0.0	100.0	0	1,419	1,145	2,564	100.0
10. Pililla	1,045	1,202	2,247	0.0	100.0	0	1,045	1,202	2,247	100.0
11. San Mateo	6,648	7,502	14,150	0.0	100.0	0	6,648	7,502	14,150	100.0
12. Tanay	3,225	2,301	5,526	0.0	100.0	0	3,225	2,301	5,526	100.0
13. Taytay	11,331	34,291	45,622	32.1	67.9	3,636	7,695	34,291	41,986	92.0
14. Teresa	713	718	1,431	0.0	100.0	0	713	718	1,431	100.0
TOTAL	2,741,584	973,839	3,715,423	94.1	5.9	2,580,569	161,015	973,839	1,134,854	30.5