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JAPAN INTERNATIONAL COOPERATION AGENCY

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MASTER PLAN STUDY
ON
WATER RESOURCES MANAGEMENT
IN
[illegible]

FINAL REPORT

VOLUME II
MAIN REPORT

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JAPAN INTERNATIONAL COOPERATION AGENCY

NATIONAL WATER RESOURCES BOARD
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
THE GOVERNMENT OF THE REPUBLIC OF THE PHILIPPINES

MASTER PLAN STUDY ON WATER RESOURCES MANAGEMENT IN THE REPUBLIC OF THE PHILIPPINES

FINAL REPORT

VOLUME III-2
SUPPORTING REPORT

Part-E : Municipal and Industrial Water Demand
Part-F : Agricultural Water Demand
Part-G : Groundwater Resources Development Planning

AUGUST 1998

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Composition of the Final Report

Volume I : Executive Summary

Volume II : Main Report

Volume III-1 :Supporting Report

- Part -- A : Socio-Economy
- Part – B : Hydrology
- Part – C : Groundwater Resources
- Part – D : Dam and Related Facility Engineering

Volume III-2 :Supporting Report

- Part – E : Municipal and Industrial Water Demand
- Part -- F : Agricultural Water Demand
- Part – G : Groundwater Resources Development Planning

Volume III-3 :Supporting Report

- Part – H : Surface Water Resources Planning
- Part -- I : Environmental Study
- Part -- J : Institutional Framework for Water Resources Management
- Part -- K : Database
- Part – L : Workshop Using Project Cycle Management (PCM)
- Part – M : Water Demand by Administrative Region

Volume IV : Data Book

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Part – E

MUNICIPAL AND INDUSTRIAL WATER DEMAND

Part – E MUNICIPAL AND INDUSTRIAL WATER DEMAND

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Part-E MUNICIPAL AND INDUSTRIAL WATER DEMAND

E1 General

E1.1 General Water Use

E1.1.1 Registered Water Rights

The water rights of water resource have been granted by the NWRB, before applicants utilize a water source by their own facilities. The granted water right data have been stored in a database of NWRB with respect to the purpose of water use, quantity of water, etc. The NWRB's database is the only source to grasp the state of use of water resources on a nation wide. The propriety of each water right application is evaluated by the NWRB based on pooled data on available water sources and the standard criterion for each of water use sectors. The standard criterion or procedure for water rights grant is as follows:

Water Use Sector	Standard Criterion or Procedure for Water Rights Grant
Domestic	0.0029 lps per capita
Commercial	The application shall be examined and approved by NWRB, while WD issues a clearance for processing water permit.
Industrial	The application shall be examined and approved by NWRB, while DENR issues a clearance for processing water permit.
Irrigation	1.5 lps per ha for paddy field (Other crops and plants have the different standard values.)
Livestock	0.00024 lps per head for cattle and swine, and 0.0000146 lps per head for poultry
Recreation	0.6 lps per ha for the planned golf course area
Fishery	3.15 and 6.30 lps per ha for prawns in freshwater and brackish water respectively, and 0.9259 lps per ha for other than prawns
Hydropower	The application shall be examined and approved by NWRB, while NPC issues a clearance for processing water permit.

E1.1.2 Types of Water Source

The water resource is generally categorized largely into two types, namely "surface water" and "groundwater". The groundwater is classified into "wells" and "springs" in accordance with the mode of its extraction. In the NWRB's database on water right, the water resources for which water rights are applied are classified one of those three types. In case of well, on the other hand, it is noted not different kind of structures, namely "shallow and deep wells", "dug and driven wells", "infiltration wells and galleries" and so on, are utilized to extract groundwater.

It might be advantageous for water rights applicants to develop surface water, if it is sufficiently available in quality and quantity. Especially in case of large-scale municipal, industrial and irrigation water supply, development of surface water is preferred to groundwater to due to the lower cost. On the other hand, generally, groundwater is assessed to have higher quality (suitable as drinking water) than surface water and it is distributed more widely in populated area. Especially in an area it is costly to develop surface water due to the specific topographic condition which does not allow where has topographical disadvantage such as non-gravity surface water supply area, water supply by gravity flow groundwater consisting chiefly of spring source could be developed at adequate cost.

E1.1.3 Water Usage

In the aforesaid NWRB's database, the water use sectors are classified into eight categories, namely domestic, commercial, industrial, irrigation, power, livestock, recreation and fishery sector. All of the water rights applications are classified into one of the eight sectors. In this study, registered data in the NWRB's database were analyzed statistically under the following conditions:

- Municipal water comprises domestic and commercial and industrial water.
- Some of commercial and industrial water is categorized into domestic water concerning (L-III water supply system).
- Un-utilized surface water amount for water rights which were granted to MWSS and Leyte Metro WD were excepted from the present water use based on the information obtained from concerned agencies.
- Water for hydropower is utilized for energy generation only. Therefore, it isn't consumed actually.

Other water uses take place in the livestock, recreation and fishery sectors except for irrigation sector. In this study, the water use in other sectors than irrigation sector is categorized into municipal, industrial and other water use taking into account the present situations of the public water supply and privately owned systems as shown below:

Water Use Sector	Allotment of Water Use		
	Public Water Supply System		Privately Owned Facility
	Level-III	Level-II and -I	
Domestic water	Municipal	Municipal	Municipal
Commercial water	Municipal	-none-	Municipal
Industrial water	Municipal	-none-	Industrial
Other usage	Municipal	-none-	Other water use
Irrigation water	-none-		Irrigation

Table E-1 represents the registered water rights by water use sector. The features of sectoral water use are seen from the water right data:

- The irrigation water reaches about 56,000 MCM/year, accounting for 91.8% of total water amount granted water right.
- Municipal and industrial water occupies only 6.7% of the total granted water amount.
- 52.6% of municipal water relies on surface water, while remaining 47.4% on groundwater.
- The granted municipal water amount is closely related with population.
- In WRR III, there is a large amount of surface water granted water right, including that for "Angat River". The river water is utilized for water supply to service area of MWSS which is located within WRR IV.
- WRR IV has a large amount of the granted groundwater for municipal water which is mainly utilized in the outskirts of Metro Manila.
- More than 40% of municipal water grants is occupied by the NCR and its outskirts.
- The majority of source of industrial water is surface water, which accounts for 85.3% of total industrial water grants.
- The granted industrial water amount is closely correlated with GRDP.

- In WRR VI, X, XI and XII, a larger proportion of the granted surface water for industrial water use is applied for the use in mining (includes refinery), milling and manufacturing.
- The majority of irrigation water relies on surface water, accounting for 98.8% of the total granted irrigation water.

E1.2 Data Availability and Basis of Demand Forecast

E1.2.1 Data Availability

As for municipal water supply, the data and information gathered from MWSS and LWUA were utilized to clarify a general outline of the present water supply conditions. However, it appears that those from DPWH and DILG are not necessarily useful for the same purpose, since both agencies were in the midst of transferring the administrative decentralization regarding rural water supply from DPWH to DILG.

As for industrial water supply, the database on water rights managed by NWRB is a key data source to grasp the amount of the present water use. The available data and information applied to the municipal and industrial water demand projection are summarized below:

1) From NWRB
   - Registered water right data in Database

2) From MWSS
   - Level-III water production & Wells Information
   - Water demand projection

3) From LWUA
   - Population served, unit water consumption, etc. in the respective water supply systems
   - Future expansion plan for water supply systems

4) From DPWH
   - Information on constructed Level-I wells and status
   - Status of Level-II water supply systems

5) From DILG
   - Provincial water supply systems and facilities in Region I, II and III
   - Future construction plan for Level-I & II water supply systems and facilities

6) From PEZA(DTI)
   - Information on existing economic zones
   - Information on planned and studied economic zones

7) From NEDA
   - GDP and GRDP projected

8) From NSO
   - Population Census 1995

E1.2.2 Basis of Demand Forecast

The million cubic meters per year expressed in MCM/year is used to show an annual water volume of water demand in consideration of its magnitude. The target year for this study is the year 2025. The base year is set at the year 1995. The long-term water demand projection is made for the years 2000, 2005, 2010, 2015, 2020 and 2025. The future population and GDP derived through the socio-economic projection are fully utilized.

E1.3 Study Area for Water Demand Forecast

E1.3.1 Water Resources Region

The existing water resources regions are divided by the river watershed boundaries. While, a groundwater basin boundary is usually defined by the different conditions including as geohydrologic characteristics depending on permeability and storage efficiency. In addition, the municipal water and/or industrial water supply is in general managed and controlled within a administrative zone. The NWRB also has adopted provincial boundaries for the water right registration. It seems that the administrative boundaries are more convenient for the management of water use and supply. Accordingly, the hybrid water resource region used the NWRB's database might be more useful for users from the realistic point of view.

E1.3.2 Major River Basin

On the other hand, from the viewpoint of surface water development, river basin boundaries need to be fully considered. In this study, the water demand projection was also carried out for the twenty (20) major river basins taking into account the river basin boundaries.

E2 Present Condition

E2.1 Municipal Water Supply

In this study, municipal water supply is categorized to comprise the public water supply for urban and rural areas and privately owned water sources for domestic and commercial use. On the other hand, this study focuses on the water demand projection for public water supply.

E2.1.1 Present Water Supply System and Service Coverage

(1) Types of facilities and Definition of Service Level Standard

The National Sector Plan defines the service levels and system components of water supply systems and facilities as shown in Table E-2.

(a) Level-III System

The Level-III system, individual house connection system, at the municipal level is usually established and operated by the Water Districts under the technical and financial assistance of LWUA. Presently, the number of water supply systems in operation reaches 404 systems all over the country. Table E-3 shows them by water resource region. Meanwhile, MWSS, which is the largest water supply system in the Philippines, provides water to about 7.1 million persons as of 1995 in Metro Manila and its adjoining area.

(b) Level-II System

The Level-II system, communal faucet system, is designed to cater for barangay level water supply with a limited service coverage and supply capacity. These systems have been implemented by different agencies such as DPWH, LWUA, DENR, DILG/LGU's, relying mainly on spring sources. These facilities are operated by LGU's, RWSA's or NGO's. The following table shows the number of Level-II systems relating to DPWH:

Number of Level-II Water Supply Systems

Region	*I*	*II*	*III*	*IV*	*V*	*VI*	*VII*	*VIII*	*IX*	*X*	*XI*	*XII*	*Total*
Operational	-	18	15	67	176	52	54	18	247	230	65	-	942
Non-Operational	-	-	-	3	8	9	4	-	34	10	6	1	75
Total	-	18	15	70	184	61	58	18	281	240	71	1	1017

Data Source: Spring Development for Water Supply Level-II System, as of January 1997 (DPWH/PMO)

(c) Level-I Facility

Level-I facility, point source system, is common in rural barangays, the majority of which are owned privately. Major facilities are different types of wells equipped with hand-pumps or developed springs with conveyance pipes and one communal faucet.

(2) Classification of Urban and Rural Areas

The NSO classifies a barangay as urban when it satisfies any of the following conditions on the economic and social functions:

(a) In their entirety, all municipal jurisdictions which, whether designed as chartered

cities, provincial capital or not, have a population density of at least 1,000 persons per square kilometer.

(b) Poblaciones or central districts of municipalities and cities which have a population density of at least 500 persons per square kilometer.

(c) Poblaciones or central districts (not included in nos. 1 and 2) regardless of population size which have the following:
   - Street pattern, i.e., network of streets either at parallel or in right angle orientation,
   - At least six establishments (commercial, manufacturing, recreational and/or personal services), and
   - At least three of the following:
     i) a town hall, church or chapel with religious services carried on at least one month,
     ii) a public plaza, park or cemetery,
     iii) a market place or building where trading activities are carried on at least once a week, and
     iv) a public building like school, hospital, culture and health center or library.
   - Barrios/Barangays having at least 1,000 inhabitants which meet the conditions set forth in No. 3 above, and in which the occupation of inhabitants is predominantly non-farming/fishing.

All areas not falling under the urban classification are defined as rural area.

(3) Service Coverage

In this Study, service coverage was classified into two groups, namely Level-III system and Level-I system including II system, since the Level-II system is limited in service coverage and supply capacity utilizing spring sources.

The service coverage of Level-III system in both urban and rural areas was clarified based on the data obtained from MWSS and LWUA. That of Level-I facility, including Level-II system was estimated considering several provincial sector plans prepared by DILG and the report prepared by DPWH.

Table E-4 shows existing service coverage of urban and rural areas of the provinces which are referred in the provincial sector plan. Table E-5 tabulates the nationwide Level-I service coverage.

As for the provinces which are not included by the provincial sector plan, an average service coverage of the plan of 69% was applied to urban areas and likewise an average service coverage of 73% was applied to rural areas. The existing service coverages by water resource region are shown in the following table and Figure E-1:

Service Coverage by Water Resource Region (%)

Region	*I*	*II*	*III*	*IV*	*V*	*VI*	*VII*	*VIII*	*IX*	*X*	*XI*	*XII*	*Total*
Urban	74	64	64	66	67	69	69	69	69	69	84	69	68
Rural	75	67	67	69	79	80	77	80	76	78	77	74	75
Total	74	67	67	66	76	73	73	77	73	74	80	72	72

The overall existing service coverage is summarized in following table:

Overall Service Coverage

	Metro Manila	*Other Urban Area*	*Urban Area Sub-total*	*Rural Area*	*Total*
Level III system	62%	30%	39%	5%	22%
Level I, II system	-	40%	29%	70%	49%
Total	62%	70%	68%	75%	72%

As of 1995, around 72 % of the total population was assumed to have access to public water supply systems. The service coverage reaches 62% in Metro Manila, 70% in other urban areas and 75% in the rural areas. The remaining 28% of the population was uncovered by public water supply and were considered to have utilized privately owned water sources.

E2.1.2 Present Water Demand

The present water demand of Level-III system was estimated based on the data collected from MWSS and LWUA, while that of Level-I facility including Level-II system was estimated by multiplying the population served by an assumed unit water consumption of 30 lpcd. Tables E-6 and E-7 show the present water demand of MWSS and the WDs.

Table E-8, together with Figures E-2 and E-3, represent the present water demand for municipal water supply by water resource region. The total amount of water was estimated to be 1,958 MFCM/year. Among them, water demand in WRR IV including Metro Manila was estimated at 1,131 MCM/year, which accounts for 57 % of the total water demand for public water supply.

Adding the water demand for the above privately owned water sources to that for public water supply, the total water amount for domestic use comes to be 2,172 MCM/year applying the same unit water consumption rate of 30 lpcd to the domestic use as shown in Table E-9.

Further, if the privately owned commercial water which is shown below is added to the above total water amount, the total amount of municipal water was estimated to be 2,187 MCM/year:

Privately Owned Commercial Water by WRR (Unit: MCM/year)

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	Total
0.2	0.0	0.4	8.9	0.0	2.4	0.5	0.6	0.0	0.0	0.3	1.7	15.0

Data Source: NWRB

E2.1.3 Present Problems

(1) Metro Manila

The water shortage in Metro Manila, in particular, is critical because of the high population density and brisk economic activities therein. Further, the unaccounted-for water shares more than half of the total water production as shown in Table E-6. The operation and management of water supply system of Metro Manila has been just turned over to the private sector from MWSS. The key issue would be how to expand and improve the system covering from water source to distribution facilities to meet the water demand.

(2) Metro Cebu

According to the annual report of the Metro Cebu Water District (MCWD), as of December 1995, MCWD was able to serve 36% of total demand and produced water of 11,220 m^3/day on an average. Even with these figures, demand still far outweighs supply. Hence, a series of water resource development projects need to be studied to solve the gap between the supply and demand. These projects include the Mananga Phase I and II, Lusaran Dam, and Inabanga I and II. Yet, despite these projects, the need for more water continues.

(3) Davao City

On the other hand, regarding water source for Davao City, the water district is planning surface water development. Davao City is expected to get rid of its water shortage.

E2.2 Industrial Water Supply

E2.2.1 Industrial Water Supply System

Industrial water is classified into two groups; the water supplied by municipal water supply system and privately owned water sources (self-supplied industrial water). However, industrial water through municipal water supply systems generally occupies a small proportion. Accordingly, in this study, the privately owned water sources are focused on as industrial water.

Likewise, registration of water rights for other water uses is required in utilizing water sources for industrial purposes. However, many factories/facilities seem to utilize the water sources, especially ground water, without registration.

E2.2.2 Present Industrial Water Demand

Table E-10 represents past water rights granted for industrial use. Based on these water rights, the existing industrial water demand was estimated to be 2,335 MCM/year as shown in Table E-11 and Figures E-4 and E-5.

The water demand in WRR IV including Metro Manila and WRR VI, among them, occupied 28% and 25 % of the total volume, respectively. Especially in WRR VI, there exist milling facilities and sugar factories which consume a large amount of surface water.

E3 Preliminary Water Demand Forecast

E3.1 Municipal Water Supply

E3.1.1 Methodology and Conditions for Forecast

In the estimation of future water demand, the following factors are considered:

(1) The future population projected through socio-economic study stated in Part-A of the Supporting Report is adopted.

(2) The service coverages of the provinces with provincial sector plans are projected referring to them in principle, while those of the provinces without their sector plans are based on the National Medium Term Development Plan and Long Term Sector Plan. The service coverage in Metro Manila is projected referring to the Master Plan formulated by MWSS.

(3) As for service level, future trend is forecast based on provincial sector plan as shown in Figures E-6 to E-11. It is assumed that the service coverage of urban areas is to be expanded by Level-III system and that present coverage of Level-I and II systems will be decreased to zero by the target year. While those of rural areas are expanded by increasing Level-I facilities, however, the existing population served by Level-III system will be maintained until the target year.

(4) Unit water consumption for Level-III system is dependent on domestic water use and non-domestic water use such as commercial, industrial and institutional use. In addition to these, unaccounted for water needs to considered. The unit water consumption for MWSS is projected based on the Master Plan, and those for other provinces shall be projected on the basis of the Design Criteria of LWUA. The unit consumption for Level-I and Level-II systems are set up at 40 lpcd in the target year and are applied commonly to all provinces.

Based on the above the water demand for public water supply is estimated.

E3.1.2 Water Supply System and Service Coverage

In preparing the target service coverage, those presented in the Medium Term Philippine Development Plan are fully taken into consideration, which aims to increase the coverage up to 71% for urban areas and 85% for rural areas by the target year of 1998. Likewise, in the long term develop plan, 93% and 95% are projected respectively in 2010.

On the other hand, in this study, considering present condition, the service coverage was set at 75% for urban areas and at 79% for rural areas in 2000. Furthermore, they were set at 95% and 93% respectively in 2020.

Finally, service coverage was set up at 95% for both urban and rural areas in the target year 2025.

Following table shows the projected service coverage as a model case. If the existing coverage exceeded in the base year, the interim target shall be skipped.

Service Coverage (Mode Case)

	1995	2000	2005	2010	2015	2020	2025
Urban	69%	75%	80%	85%	90%	93%	95%
Rural	73%	79%	85%	91%	93%	95%	95%

Based on the above, the population served and service coverage used for water demand by water resource region and province are project as shown in Table E-14.

E3.1.3 Unit Water Consumption

Municipal water demand is commonly classified according to the nature of the user. The ordinary classifications are: domestic use, commercial use, industrial use and institutional use. The unit consumption for Level-III is set up for MWSS and the WDs respectively.

As for MWSS, Table E-12 shows the present water use. The domestic water use occupied about 80%, while, non-domestic water for commercial and industrial use occupied 20%. However, unaccounted for water has not decreased in the past decade, although the target of the MWSS's Master Plan was set at 30% in 2015. This target rate is adopted in 2020 in this Study so that the master plan to be formulated could have a safety factor. Thus, unit water consumption for MWSS is set up as shown in Table E-13.

As for the Water Districts, unit water consumption was modified as shown in Table E-14 which is based on the design criteria of LWUA. The values in this table were also used as the unit water consumption of respective province considering their present conditions. Generally, domestic water occupies about 85%, and non-domestic water composed of commercial, industrial and institutional use occupies about 15%. Figure E-12 depicts the tendency of future unit water consumption for Level-III system.

The unit water consumption for Level-I as well as Level-II systems was projected to increase from the presently estimated 30 lpcd to 40 lpcd in 2025 with an increment of 2 lpcd at average every five year.

E3.1.4 Municipal Water Demand

Based on the aforesaid procedures and assumptions, the water demands for public water supply by water resource region and province were estimated as shown in Table E-15 and Figure E-13. The water amount of public water supply in the year 2025 was estimated to be 7,289 MCM/year which corresponds to 3.7 times of the present water consumption.

Finally, the total amount of municipal water demand including privately owned water source was projected to be 7,430 MCM/year in the target year.

E3.2 Industrial Water Supply

E3.2.1 Methodology

(1) In the estimation of future water demand, the past trend of water volume granted water rights and GDP for industrial sector was first examined. Figure E-14 shows the relation

between these factors. In this regression analysis, 0.88 of correlation coefficient was obtained and it was considered that the industrial water demand is relative to GDP. Accordingly, the following regression formula obtained through analysis of correlation between past water consumption and GDP was applied to the estimation of the industrial water demand:

$$WD = 0.00485 \times GDP + 525.275$$

WD: Water Demand (MCM/year)

GDP: GDP for Industrial sector (Million Pesos)

(2) In succession to obtain the water demand regionally, GDP contribution rates were estimated.

(3) Further, the water resources management is considered. The present granted surface water for industrial use is 1,719.1 MCM/year, while that of ground water is 514.4 MCM/year. Here, the required surface water is assumed to be maintained at the level of existing consumption, since main users are mining companies including those suspending the operation.

(4) In addition to this, the re-use of groundwater was also considered. It is assumed that, among the industrial sector, water required for manufacturing sub-sector is recycled and re-used up to 50% by the target year. Since the GDP for manufacturing sub-sector is expected to account for 60% of the total GDP of the industrial sector, 30% of the groundwater required for industrial use is assumed to be saved.

Rate of Re-use						
1995	2000	2005	2010	2015	2020	2025
0%	5%	10%	15%	20%	25%	30%

Aside from the above, it is assumed that recycle use of industrial water for Metro Manila and Metro Cebu be much more strengthened to the maximum level, because serious water shortage in the said area is projected to take place. In this context, industrial water demand for Pasig-Laguna Bay basin in which Metro Manila is situated is projected on the same condition with Metro Manila.

E 3.2.2 Industrial Water Demand

Based on the above, industrial water demand was estimated by applying two kinds of industrial GDP; namely GDP resulting from the high and low economic growth scenarios, as shown in Tables E-16 and E-17 and Figures E-15 and E-16.

In the scenario of high economic growth, the amount of industrial water demand was estimated at 4,997.6 MCM/year in 2025 which corresponds to 2.24 times of the present consumption. In the low economic growth scenario, the industrial water demand was estimated to be 3,310.1 MCM/year, which corresponds to 1.48 times of the present water consumption.

As for industrial development, PEZA has managed and/or approved the development of economic zones. Table E-18 shows the existing and planned ones. In this Study, 55

m^3/day/ha was given to each economic zone as unit water consumption referring to the Cavite EPZ. Projected water amount for PEZA was estimated at 137 MCM/year in the year 2025, which corresponds to 2.7% only of the total industrial water demand in high economic growth and 4.1% only in low economic growth. Thus, such a water amount is considered as a insignificantly small part of the above water demand in the context of economic growth.

E 3.2.3 Total Municipal and Industrial Water Demand

Based on the above, the total water demand for municipal and industrial use in year 2025 was estimated at 12,427.6 MCM/year in high economic growth and 10,740.1 MCM/year in low economic growth respectively, which correspond to 2.81 times and 2.43 times of the present water consumption. Tables E-19 and E-20 tabulate them by water resource region. Likewise, Tables E-21 and E-22 represent those by major river basin.

E 3.2.4 Municipal and Industrial Water Demand Forecast for Major Cities

In the second stage field investigation the water demand forecast for the selected nine (9) cities, namely Metro Manila, Metro Cebu, Davao City, Baguio City, Angeles City, Bacolodo City, Iloilo City, Cagayan de Oro City and Zamboanga City, were carried out.

In estimation of municipal water demand, population served and water demand component according to usage were determined with reference mainly to the collected data from the concerned Water Districts, however, unit water consumption and NRW ratio were based on the Design Criteria of LWUA, relevant reports and others. Industrial water demand in high economic growth for each city was estimated principally in the same manner with that used for the regional projection.

Table E-23 summarizes the water demands projected for these major cities.

(1) Metro Manila

The area of which municipal water is supplied by MWSS, although its operation has been presently transferred to two water companies, includes Metro Manila and its adjacent municipalities such as Bacoor, Cavite City, Imus, Kawit, Noveleta and Rosario in Cavite Province and Angono, Antipolo, Baras, Binangonan, Cainta, Cardona, Jaia-Jala, Rodoriguez, San Mateo and Taytay in Rizal Province. Table E-24 represents the projected water demand. The municipal water demand was estimated on the basis of the Master Plan of MWSS and applying the modified NRW ratio in consideration of the present condition. The projected water demand including privately owned industrial water in year 2025 would be 2,883.2 MCM/year corresponding to 2.7 times of the present water consumption.

(2) Metro Cebu

The area of which municipal water is supplied by Metropolitan Cebu Water District includes Cebu City, Compostela, Consolacion, Talisai, Lapu-Lapu City, Liloan and Mandaue City. Table E-25 represents the projected water demand. The municipal water demand was projected based on the data provided by MCWD. The water demand including privately owned industrial water in year 2025 was estimated at 342.3 MCM/year corresponding to 6.0 times of the present water consumption. Such a large figure is considered as a result of drastically increasing population served as well as expansion of service coverage.

(3) Davao City

Table E-26 shows the projected municipal water demand on the basis of the technical report

prepared under PCW3SP project financially assisted by OECF, applying the modified unit water consumption in this study as well as considering the present condition. The water demand in year 2025 was estimated to be 152.5 MCM/year corresponding to 3.1 times of the present water consumption.

(4) Baguio City

Table E-27 shows the municipal water demand for Baguio City, which was projected mainly on the basis of the data/report provided by Baguio Water District. However, the unit water consumption for domestic use was determined with reference to the LWUA Design Criteria, and NRW ratio was namely set up in this study. The water demand in the year 2025 was estimated at 239,000 m^3/day or 87.3 MCM/year corresponding to 7.3 times of the present water consumption. Such a large figure is considered as a result of drastically increasing population served and service coverage and unit water consumption for domestic use as well as water demand for commercial and industrial use in Baguio City.

(5) Angeles City

Table E-28 shows the projected water demand for Angeles City. The municipal water demand was referred to the technical report of PCWS3 financially assisted by OECF. The industrial water demand was estimated considering development plan of PEZA. The water demand in year 2025 was estimated at 85,651 m^3/day or 31.3 MCM/year corresponding to 2.8 times of the present consumption.

(6) Bacolod City

Table E-29 shows the projected water demand for Bacolod City. The municipal water demand was projected with reference to the report prepared by LWUA-ADB. The water demand including privately owned industrial water demand in the year 2025 was estimated to be 303,378 m^3/day (110.7 MCM/year) corresponding to 3.3 times of the present water consumption.

(7) Iloilo City

The area of which municipal water is supplied by Metro Iloilo Water District includes Iloilo City, Cabatuan, Maasin, Pavia, San Miguel, Santa Barbara and Oton. Table E-30 shows the projected water demand. The municipal water demand was projected with reference to the data provided by MIWD. The projected water demand including privately owned industrial water in the year 2025 was estimated at 127,788 m^3/day (46.6 MCM/year) corresponding to 5.1 times of the present consumption. Such a large figure is considered as a result of drastically increasing population served and service coverage in Metro Iloilo.

(8) Cagayan de Oro City

The area of which projected water demand for municipal and industrial water supply includes Cagayan de Oro City and Opol. Table E-31 shows the projected water demand. The municipal water demand was projected based mainly on the technical report prepared by LWUA. The water demand including privately owned industrial water in the year 2025 was estimated at 269,305 m^3/day (98.3 MCM/year) corresponding to 3.4 times of the present water consumption.

(9) Zamboanga City

As for the municipal water demand forecast for Zamboanga City, service coverage in the year 2025 was set up at 95% and unit water consumption was based on the Design Criteria of LWUA, since the available data/information have not been obtained except for the present condition. The water demand including privately owned industrial water in year the 2025 was estimated at 556,148 m^3/day (203.0 MCM/year) corresponding to 7.4 times of the present

water consumption as shown in Table E-32. Such a large figure is considered as a result of drastically increasing population served and service coverage and industrial water demand in Zamboanga City.

E 3.2.5 Some Matters to be Considered in Water Resources Management for Municipal and Industrial Water Supply and Use

Water is limited resource that must be conserved and managed effectively, and water has an economic value in all its competing uses and shall be treated as an economic good. Capacity and willingness to pay must therefore be taken into consideration in pricing water.

Following measures are to be recommended to be taken from a viewpoint of water resources management for municipal and industrial water supply and use:

1) Make double effort for NRW reduction
2) Prevent illegal use and improve metering efficiency
3) Promote water leakage prevention
4) Encourage the recycling and re-use of water especially in industrial use
5) Expand market-based instruments for the adoption of water recycling and re-use.

Part – E

Tables

Table E-1 WATER RIGHTS BY USAGE-WISE

Water Use Sector	Type	Water Resources Region												Sub-total
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
Municipal	Wls	29.1	13.0	95.1	243.9	18.1	45.2	77.8	3.5	2.9	10.7	55.3	26.2	620.8
(MCM/year)	Sp	120.5	1.8	4.2	82.6	46.8	16.8	15.5	11.8	4.5	26.3	8.8	61.7	401.3
	SW	29.1	1.4	909.7	47.4	0.7	8.5	24.0	32.5	15.7	6.8	44.0	14.9	1,134.7
	Sub-Total	178.6	16.2	1,009.0	373.9	65.7	70.4	117.3	47.8	23.1	43.8	108.2	102.8	2,156.8
Industrial	Wls	2.5	0.4	41.9	98.4	0.4	17.8	42.9	8.4	0.7	6.8	8.0	2.9	231.1
(MCM/year)	Sp	1.1	-	-	0.1	0.8	9.9	2.1	3.7	-	29.6	-	0.5	47.9
	SW	67.7	15.4	125.6	321.8	18.2	523.6	77.8	11.0	4.3	167.1	199.1	85.7	1,617.3
	Sub-Total	71.3	15.8	167.4	420.3	19.4	551.4	122.8	23.0	5.0	203.6	207.1	89.1	1,896.3
Irrigation	Wls	2.3	11.5	187.4	57.8	11.1	46.9	5.8	2.5	-	1.1	5.5	22.7	354.8
(MCM/year)	Sp	57.6	11.8	15.6	26.6	12.0	19.3	59.3	7.7	5.1	19.8	35.6	74.2	344.6
	SW	3,309.6	8,122.0	12,396.4	6,503.4	2,693.0	4,636.4	1,588.4	2,062.0	1,037.6	4,091.5	3,460.3	5,413.5	55,313.9
	Sub-Total	3,369.5	8,145.3	12,599.4	6,587.8	2,716.1	4,702.5	1,653.6	2,072.2	1,042.7	4,112.4	3,501.4	5,510.4	56,013.3
Other Usage	Wls	0.0	-	2.1	6.8	-	13.2	11.6	-	0.0	0.1	0.1	0.9	34.9
(MCM/year)	Sp	0.0	0.2	-	6.5	0.6	8.5	6.4	0.2	0.1	3.9	26.3	0.8	53.3
	SW	0.2	9.5	8.2	389.4	73.5	109.8	138.9	1.8	45.2	6.9	48.5	0.8	832.8
	Sub-Total	0.2	9.7	10.3	402.7	74.1	131.4	156.9	1.9	45.4	10.9	74.9	2.5	921.0
Total	Wls	33.9	24.8	326.5	406.9	29.7	123.1	138.2	14.3	3.7	18.8	69.0	52.7	1,241.6
(MCM/year)	Sp	179.2	13.7	19.8	115.9	60.2	54.4	83.3	23.3	9.7	79.6	70.7	137.2	847.1
	SW	3,406.6	8,148.4	13,439.9	7,261.9	2,785.4	5,278.3	1,829.2	2,107.2	1,102.7	4,272.3	3,751.9	5,514.9	58,898.7
	Total	3,619.7	8,187.0	13,786.2	7,784.7	2,875.3	5,455.8	2,050.6	2,144.9	1,116.1	4,370.7	3,891.6	5,704.8	60,987.4

Data Source : Database for Water Right (NWRB), as of 31 March 1997

Note

W/S: Well

Sp : Spring

SW: Surface water

Table E-2 COMPOSITION OF WATER SUPPLY SYSTEM AND FACILITY BY SERVICE LEVEL

Discription	Level-I (Point Source Facility)	Level-II (Communal Faucet System)	Level-III (Individual House Connection)
1. Water Sources	- Drilled/driven shallow well - Drilled/driven deep well - Dug well - Spring - Rain collector	- Drilled/driven shallow well - Spring - Infiltration gallery	- Drilled deep well - Spring - Infiltration gallery - Suface water intake
2. Water Treatment	- Generally none. - Disinfection of well is conducted periodically by local health authorities. - Iron removal facilities are provided in problem areas.	- Generally none. - Disinfection facility is provided at some places.	- Disinfection is provided. - The system with a surface water source has a series of water treatment facilities.
3. Distribution System	None	Piped system provided with reservoir's.	Piped system provided with reservoirs and pumping facilities.
4. Delivery and Service Level	At point (within 250 m)	Communal faucets (within 25 m)	Individual house connection/ household tap
5. Consumption Rate (Adequately served)	at least 20 lpcd	at least 60 lpcd	at least 100 lpcd

Data Source: National Sector Plan

Table E-3 NUMBER OF LEVEL-III SYSTEM

Water Resources Region (WRR)	Number of Province	Number of Municipal Water Supply Systems by Population Served								
		Total	no system	4,999 or less	5,000 9,999	10,000 14,999	15,000 19,999	20,000 49,999	50,000 99,999	100,000 or more
I	5	29	9	8	4	2	2	1	2	1
II	8	42	26	10	2	2	0	2	0	0
III	7	120	34	22	20	8	9	18	5	4
IV	12	74	6	28	16	10	2	4	4	4
V	6	43	6	17	8	2	1	7	2	0
VI	6	75	22	31	8	5	3	2	2	2
VII	4	23	4	5	8	1	1	2	1	1
VIII	6	35	13	12	4	0	4	1	0	1
IX	5	26	8	11	1	0	1	4	0	1
X	7	29	6	9	4	2	0	6	1	1
XI	4	28	7	8	4	4	2	1	1	1
XII	7	32	11	12	4	0	2	2	0	1
Total	77	556	152	173	83	36	27	50	18	17

Table E-4 EXISTING SERVICE COVERAGE BY PROVINCIAL SECTOR PLANS

Region	Province	Urban Water Supply: Urban Population (x1,000)	Urban Water Supply: Served Population (x1,000)	Urban Water Supply: (%)	Rural Water Supply: Urban Population (x1,000)	Rural Water Supply: Served Population (x1,000)	Rural Water Supply: (%)
I	Abra	42	38	91%	154	119	77%
	Benguet	310	214	69%	231	164	71%
	Ilocos Norte	138	115	83%	345	224	65%
	Ilocos Sur	128	97	76%	417	296	71%
II	Batanes	5	5	92%	9	8	90%
	Ifugao	16	9	56%	134	103	77%
	Isabela	295	159	54%	866	520	60%
	Kalinga-Apayao	45	28	62%	193	137	71%
	Nueva Vizcaya	97	83	86%	237	137	58%
	Quirino	33	20	61%	98	62	63%
III	Bataan	346	266	77%	146	117	80%
	Bulacan	1,453	1,046	72%	322	235	73%
	Nueva Ecija	443	288	65%	1,063	840	79%
	Pampamga	1,189	702	59%	447	353	79%
	Pangasinan	911	592	65%	1,268	938	74%
	Tarlac	273	188	69%	672	538	80%
	Zambales	319	287	90%	250	100	40%
IV	Batangas	831	582	70%	828	530	64%
	Marinduque	28	21	75%	172	52	30%
	Occidental Mindoro	178	125	70%	160	70	44%
	Oriental Mindoro	91	75	82%	517	326	63%
	Palawan	230	184	80%	411	275	67%
	Rizal	1,257	855	68%	55	40	73%
	Romblon	49	33	68%	195	94	48%
V	Albay	262	160	61%	743	557	75%
	Camarines Norte	118	73	62%	321	257	80%
	Camarines Sur	501	356	71%	931	745	80%
	Total	9,588	6,601	69%	11,185	7,836	70%

Dtata Source: Provincial Water Supply, Sewerage and Sanitation Sector Plan, DILG as of 1996

Table E-5 RURAL WATER SUPPLY ESTIMATE OF NEEDS

Year	Rural Population	Population Served *			Population Served (functioning)**		No. of Wells
		Annual	Cummulative	(%)		(%)	
1987	24,356,294	0	15,379,999		11,534,999	47.36%	667,808
1988	29,585,433	918,710	16,298,709	55.09%	12,453,709	42.09%	674,875
1989	30,354,655	2,445,430	18,744,139	61.75%	14,899,139	49.08%	693,686
1990	31,158,409	3,354,780	22,098,919	70.92%	18,253,919	58.58%	719,492
1991	32,694,430	2,990,910	25,089,829	76.74%	21,244,829	64.98%	742,499
1992	33,539,939	1,892,930	26,982,759	80.45%	23,137,759	68.99%	757,060
1993	34,383,134	659,490	27,642,249	80.39%	23,797,249	69.21%	762,133
1994	35,226,334	1,134,250	28,776,499	81.69%	24,931,499	70.78%	770,858
1995	36,069,531	1,371,370	30,147,869	83.58%	26,302,869	72.92%	781,407
1996	36,907,406	522,600	30,670,469	83.10%	26,825,469	72.68%	785,427
1997	37,742,994	1,230,580	31,901,049	84.52%	28,056,049	74.33%	794,893
1998	38,578,581	1,246,960	33,148,009	85.92%	29,303,009	75.96%	804,485
1999	39,414,169	1,240,720	34,388,729	87.25%	30,543,729	77.49%	814,029
2000	40,252,044	1,280,110	35,668,839	88.61%	31,823,839	79.06%	823,876

Data Source: DPWH

Note: * Percent Population Coverage at 130 persons per well

** Population Served to account non-functioning wells 25% of stock

Table E-6 WATER PRODUCTION AND VOLUME SOLD BY MWSS

Year	Water Production						Volume Sold		Revenued Water	Non-Revenued Water
	Ground-Water (MCM/year)	Ground-Water (mld)	Surface Water (MCM/year)	Surface Water (mld)	Total (mld)	Total (MCM/year)	year	Total (mld)	Total (MCM/year)	(%)	(%)
1985	30	81	757	2,075	2,156	787	303	830	303	38	62
1986	30	83	874	2,395	2,478	905	311	851	311	34	66
1987	28	76	835	2,287	2,364	863	337	922	337	39	61
1988	30	81	849	2,327	2,408	879	359	985	359	41	59
1989	29	79	859	2,354	2,433	888	376	1,030	376	42	58
1990	33	91	876	2,399	2,491	909	385	1,054	385	42	58
1991	34	93	780	2,136	2,229	814	386	1,059	386	48	52
1992	28	77	823	2,256	2,333	851	383	1,049	383	45	55
1993	26	70	907	2,485	2,556	933	397	1,088	397	43	57
1994	27	73	983	2,693	2,766	1,010	419	1,148	419	42	59
1995	27	75	949	2,599	2,674	976	426	1,168	426	44	56
1996	30	82	1,100	3,013	3,095	1,130	436	1,194	436	39	61

Data Source : MWSS

Table E-7 EXISTING WATER DEMAND FOR WATER DISTRICTS

Water Resources Region (WRR)	Number of WDs	Q (m^3/day)	Q (MCM/year)	Population Served	lpcd	Population '95	Service Ratio
I	20	71,726	26.18	440,160	162.95	1,227,180	36%
II	10	19,829	7.24	128,920	153.81	956,460	13%
III	86	375,037	136.89	1,865,560	201.03	6,258,060	30%
IV	67	291,111	106.26	1,153,980	252.27	4,664,170	25%
V	37	96,781	35.33	489,310	197.79	2,351,140	21%
VI	54	132,175	48.24	695,740	189.98	3,617,330	19%
VII	19	202,897	74.06	516,330	392.96	2,097,800	25%
VIII	22	47,788	17.44	328,750	145.36	1,429,280	23%
IX	18	107,733	39.32	488,270	220.64	1,372,940	36%
X	23	130,646	47.69	716,550	182.33	1,944,090	37%
XI	21	160,894	58.73	1,028,500	156.44	2,139,650	48%
XII	22	42,692	15.58	251,540	169.72	1,906,570	13%
Total	399.00	1,679,309	612.95	8,103,610	207.23	29,964,670	27%

Data Source : List of WDs as of Jan. 1997 and LWUA'a Annual Reports as of 1995 & 1996

Table E-8 WATER DEMAND FOR PUBLIC WATER SUPPLY IN 1995

WRR	Type	Water Demand (MCM/year) Total	Urban Area	Rural Area
I	L-III	26	15	11
	L-I, II	14	4	11
	Sub-total	41	18	22
II	L-III	7	5	3
	L-I, II	21	4	17
	Sub-total	28	8	20
III	L-III	137	111	26
	L-I, II	51	21	30
	Sub-total	188	131	56
IV	L-III	1,082	1,053	29
	L-I, II	48	20	28
	Sub-total	1,131	1,073	58
V	L-III	35	22	13
	L-I, II	30	6	25
	Sub-total	66	28	38
VI	L-III	48	31	17
	L-I, II	40	13	27
	Sub-total	89	44	44
VII	L-III	74	60	14
	L-I, II	35	13	22
	Sub-total	109	73	36
VIII	L-III	17	9	8
	L-I, II	25	6	19
	Sub-total	42	15	27
IX	L-III	39	34	5
	L-I, II	23	5	19
	Sub-total	63	39	24
X	L-III	48	40	8
	L-I, II	24	6	18
	Sub-total	72	46	26
XI	L-III	59	55	4
	L-I, II	22	3	18
	Sub-total	80	58	22
XII	L-III	16	15	1
	L-I, II	36	10	26
	Sub-total	52	25	27
Total	L-III	1,589	1,448	141
	L-I, II	369	110	259
	Total	1,958	1,558	400

Table E-9 EXISTING SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY SYSTEM AND PRIVATE WATER SOURCE - 1995 (1/2)

Region	Type	Coverage/ Demand		Total	Urban	Rural
I		Population	(x 1,000)	2,362	775	1,587
	Public	Pop. Served	(x 1,000)	1,757	571	1,186
		Coverage	(%)	74%	74%	75%
		Water Demand	(MCM/year)	41	18	22
	Private	Pop. Served	(x 1,000)	606	204	401
		Coverage	(%)	26%	26%	25%
		Water Demand	(MCM/year)	6.63	2.24	4.40
	Total	Water Demand		47	20	27
II		Population	(x 1,000)	3,054	640	2,414
	Public	Pop. Served	(x 1,000)	2,028	406	1,622
		Coverage	(%)	66%	63%	67%
		Water Demand	(MCM/year)	28	8	20
	Private	Pop. Served	(x 1,000)	1,026	234	792
		Coverage	(%)	34%	37%	33%
		Water Demand	(MCM/year)	11.23	2.56	8.67
	Total	Water Demand		39	11	29
III		Population	(x 1,000)	9,111	4,933	4,178
	Public	Pop. Served	(x 1,000)	6,497	3,369	3,128
		Coverage	(%)	71%	68%	75%
		Water Demand	(MCM/year)	188	131	56
	Private	Pop. Served	(x 1,000)	2,614	1,564	1,050
		Coverage	(%)	29%	32%	25%
		Water Demand	(MCM/year)	28.63	17.13	11.50
	Total	Water Demand		216	148	68
IV		Population	(x 1,000)	19,395	15,210	4,185
	Public	Pop. Served	(x 1,000)	12,866	9,982	2,883
		Coverage	(%)	66%	66%	69%
		Water Demand	(MCM/year)	1,131	1,073	58
	Private	Pop. Served	(x 1,000)	6,529	5,228	1,301
		Coverage	(%)	34%	34%	31%
		Water Demand	(MCM/year)	71.49	57.25	14.25
	Total	Water Demand		1,202	1,130	72
V		Population	(x 1,000)	4,325	1,221	3,105
	Public	Pop. Served	(x 1,000)	3,265	823	2,442
		Coverage	(%)	75%	67%	79%
		Water Demand	(MCM/year)	66	28	38
	Private	Pop. Served	(x 1,000)	1,061	398	663
		Coverage	(%)	25%	33%	21%
		Water Demand	(MCM/year)	11.61	4.35	7.26
	Total	Water Demand		77	32	45
VI		Population	(x 1,000)	5,777	2,359	3,418
	Public	Pop. Served	(x 1,000)	4,371	1,626	2,744
		Coverage	(%)	76%	69%	80%
		Water Demand	(MCM/year)	89	44	44
	Private	Pop. Served	(x 1,000)	1,406	732	674
		Coverage	(%)	24%	31%	20%
		Water Demand	(MCM/year)	15.40	8.02	7.38
	Total	Water Demand		104	52	51
VII		Population	(x 1,000)	5,015	2,298	2,716
	Public	Pop. Served	(x 1,000)	3,672	1,586	2,086
		Coverage	(%)	73%	69%	77%
		Water Demand	(MCM/year)	108.59	72.57	36.02

Table E-9 EXISTING SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY SYSTEM AND PRIVATE WATER SOURCE - 1995 (2/2)

	Private	Pop. Served	(x 1,000)	1,343	712	630
		Coverage	(%)	27%	31%	23%
		Water Demand	(MCM/year)	15	8	7
	Total	Water Demand		123	80	43
VIII		Population	(x 1,000)	3,367	1,013	2,354
	Public	Pop. Served	(x 1,000)	2,576	699	1,877
		Coverage	(%)	77%	69%	80%
		Water Demand	(MCM/year)	42	15	27
	Private	Pop. Served	(x 1,000)	791	314	477
		Coverage	(%)	23%	31%	20%
		Water Demand	(MCM/year)	8.66	3.44	5.22
	Total	Water Demand		51	18	32
IX		Population	(x 1,000)	3,581.63	1,252.21	2,329.43
	Public	Pop. Served	(x 1,000)	2,629.70	864.02	1,765.68
		Coverage	(%)	73%	69%	76%
		Water Demand	(MCM/year)	62.76	38.78	23.99
	Private	Pop. Served	(x 1,000)	951.94	388.18	563.75
		Coverage	(%)	27%	31%	24%
		Water Demand	(MCM/year)	10.42	4.25	6.17
	Total	Water Demand		73.19	43.03	30.16
X		Population	(x 1,000)	3,954.76	1,724.81	2,229.95
	Public	Pop. Served	(x 1,000)	2,926.51	1,190.12	1,736.40
		Coverage	(%)	74%	69%	78%
		Water Demand	(MCM/year)	71.84	46.25	25.59
	Private	Pop. Served	(x 1,000)	1,028.25	534.69	493.56
		Coverage	(%)	26%	31%	22%
		Water Demand	(MCM/year)	11.26	5.85	5.40
	Total	Water Demand		83.10	52.11	31.00
XI		Population	(x 1,000)	5,777	2,359	3,418
	Public	Pop. Served	(x 1,000)	4,371	1,626	2,744
		Coverage	(%)	76%	69%	80%
		Water Demand	(MCM/year)	89	44	44
	Private	Pop. Served	(x 1,000)	1,406	732	674
		Coverage	(%)	24%	31%	20%
		Water Demand	(MCM/year)	15.40	8.02	7.38
	Total	Water Demand		104	52	51
XII		Population	(x 1,000)	4,909	1,701	3,208
	Public	Pop. Served	(x 1,000)	3,533	1,174	2,359
		Coverage	(%)	72%	69%	74%
		Water Demand	(MCM/year)	52	25	27
	Private	Pop. Served	(x 1,000)	1,376	527	849
		Coverage	(%)	28%	31%	26%
		Water Demand	(MCM/year)	15.07	5.78	9.29
	Total	Water Demand		67	31	36
Total		Population	(x 1,000)	68,613	34,619	33,994
	Public	Pop. Served	(x 1,000)	49,120	23,548	25,572
		Coverage	(%)	72%	68%	75%
		Water Demand	(MCM/year)	1,958	1,558	400
	Private	Pop. Served	(x 1,000)	19,493	11,070	8,422
		Coverage	(%)	28%	32%	25%
		Water Demand	(MCM/year)	213.44	121.22	92.22
	Total	Water Demand		2,172	1,679	492

Table E-10 WATER RIGHTS FOR INDUSTRIAL WATER (1/3)

(Unit: lps)

	1986			1987			1988			1989		
WRR	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total
I	579	911	1,490	579	911	1,490	580	1,117	1,698	580	1,315	1,896
II	1	489	490	1	489	490	1	489	490	1	489	490
III	1,178	3,880	5,058	1,178	3,880	5,058	1,210	4,015	5,225	1,225	4,015	5,240
IV	1,040	7,748	8,788	1,040	7,751	8,791	1,040	7,751	8,791	1,043	7,751	8,794
V	172	444	616	172	444	616	172	444	616	172	444	616
VI	755	16,202	16,957	755	16,202	16,957	755	16,202	16,957	757	16,202	16,959
VII	1,140	1,905	3,045	1,140	1,905	3,045	1,140	1,905	3,045	1,140	1,905	3,045
VIII	382	348	730	382	348	730	382	348	730	382	348	730
IX	13	134	147	13	134	147	13	134	147	13	134	147
X	1	6,408	6,408	1	6,408	6,408	1	6,408	6,408	1	6,408	6,408
XI	0	4,912	4,913	0	4,912	4,913	0	5,182	5,182	0	5,182	5,182
XII	0	2,819	2,819	0	2,819	2,819	0	2,819	2,819	0	2,819	2,819
Total	5,261	46,201	51,462	5,261	46,204	51,465	5,294	46,815	52,108	5,313	47,013	52,326

Table E-10 WATER RIGHTS FOR INDUSTRIAL WATER (2/3)

(Unit: lps)

	1990			1991			1992			1993		
WRR	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total
I	580	1,565	2,146	580	1,645	2,226	582	1,645	2,227	617	1,645	2,262
II	366	489	855	366	489	855	366	489	855	377	489	866
III	1,226	4,015	5,241	1,226	4,015	5,241	1,226	4,045	5,271	1,255	4,045	5,300
IV	1,090	7,751	8,842	1,100	7,751	8,851	1,132	7,810	8,943	1,142	7,813	8,956
V	172	444	616	172	444	616	172	444	616	172	444	616
VI	757	16,202	16,959	758	16,202	16,960	833	16,452	17,285	852	16,452	17,305
VII	1,140	1,905	3,045	1,140	1,905	3,045	1,225	2,016	3,241	1,249	2,016	3,265
VIII	382	348	730	382	348	730	382	348	730	382	348	730
IX	13	134	147	13	134	147	17	134	151	17	134	151
X	2	6,408	6,410	2	6,408	6,410	2	6,408	6,410	2	6,408	6,410
XI	0	5,182	5,182	0	5,182	5,182	13	5,182	5,195	13	5,740	5,753
XII	0	2,819	2,819	0	2,819	2,819	0	2,819	2,819	0	2,819	2,819
Total	5,729	47,263	52,992	5,740	47,343	53,083	5,950	47,793	53,743	6,079	48,354	54,434

Table E-10 WATER RIGHTS FOR INDUSTRIAL WATER (3/3)

(Unit: lps)

	1994			1995			1996		
WRR	GW	SW	Total	GW	SW	Total	GW	SW	Total
I	617	1,645	2,262	617	1,645	2,262	647	1,645	2,292
II	498	489	987	498	489	987	498	489	987
III	1,255	4,045	5,300	1,263	4,045	5,308	1,466	4,045	5,512
IV	1,157	7,813	8,970	2,897	13,053	15,950	3,463	13,093	16,557
V	172	444	616	172	503	675	172	562	734
VI	881	16,602	17,483	881	16,605	17,485	899	16,725	17,624
VII	1,407	2,442	3,849	1,418	2,476	3,895	1,430	2,511	3,941
VIII	382	348	730	382	348	730	389	365	755
IX	22	135	157	22	135	157	22	135	157
X	93	6,456	6,549	93	6,456	6,549	102	6,456	6,558
XI	64	6,567	6,632	94	6,567	6,661	220	6,567	6,787
XII	0	2,819	2,819	0	2,824	2,824	63	3,965	4,027
Total	6,548	49,807	56,355	8,337	55,147	63,485	9,372	56,559	65,931

Data Source: NWRB

Note: GW---Ground Water, SW--Surface Water

Table E-11 INDUSTRIAL WATER DEMAND IN 1995

(Unit : MCM/year)

WRR	Ground Water	Surface Water	Total
I	5.3	67.7	72.9
II	0.7	15.4	16.1
III	83.7	125.6	209.3
IV	202.2	423.6	625.8
V	1.6	18.2	19.8
VI	45.6	523.6	569.3
VII	88.0	77.8	165.8
VIII	20.4	11.0	31.4
IX	1.4	4.3	5.7
X	43.3	167.1	210.4
XI	16.0	199.1	215.1
XII	6.3	85.7	92.0
Total	514.4	1,719.1	2,233.5

Table E-12 WATER USE (MWSS)

Year	Domestic									Commercial				Industrial				Grand Total			
	Pop. under MWSS (x 1,000)	Volume Sold (mld)	Lpcd	Pop. with House Connec. (x 1,000)	%	Pop. with Public Faucets (x 1,000)	%	Pop. with Water (x 1,000)	%	Volume Sold (mld)	Lpcd	Pop. Served (x 1,000)	%	Volume Sold (mld)	Lpcd	Pop. Served (x 1,000)	%	Volume Sold (mld)	Pop. Served (x 1,000)	%	Lpcd
1985	7,968	503	136	3,050	38	460	6	3,510	44	287	36	218	3	41	5	10	0.2	831	3,738	47	177
1986	8,223	536	150	3,580	44	470	6	4,050	49	276	34	215	3	40	5	10	0.2	851	4,275	52	189
1987	8,491	599	151	3,970	48	500	6	4,470	54	279	33	214	3	45	5	10	0.2	922	4,694	56	189
1988	8,774	619	150	4,160	47	550	6	4,710	54	309	35	269	3	57	6	30	0.4	985	5,009	57	191
1989	9,070	646	147	4,450	49	600	7	5,050	56	314	35	336	4	69	8	50	0.5	1,030	5,436	60	190
1990	9,383	671	138	4,850	52	650	7	5,500	59	312	33	348	4	69	8	50	0.5	1,052	5,898	63	179
1991	9,616	694	134	5,170	54	680	7	5,850	61	296	31	360	4	69	7	50	0.5	1,059	6,260	65	172
1992	9,854	701	134	5,470	56	710	7	6,180	63	281	28	372	4	67	7	50	0.6	1,049	6,602	67	169
1993	10,099	731	126	5,780	57	740	7	6,520	65	290	29	378	4	67	7	60	0.6	1,088	6,958	69	162
1994	10,350	770	127	6,050	59	800	8	6,850	66	306	29	388	4	71	7	60	0.6	1,148	7,298	71	163
1995	11,426	800	127	6,270	55	830	7	7,100	62	300	26	393	3	69	6	60	0.6	1,169	7,553	66	159
1996	11,906	811	126	6,460	54	840	7	7,300	61	310	26	399	3	73	6	70	0.6	1,194	7,769	65	158

Data Source:MWSS

Table E-13 UNIT WATER CONSUMPTION (MWSS)

(Unit: Lpcd)

Year	Domestic	Commercial	Industrial	Sub-total	Revenued Water	Non Revenued Water	Total
1995	127	26	6	159	44%	56%	361
2000	148	30	7	185	50%	50%	370
2005	161	32	8	201	55%	45%	366
2010	173	35	9	217	60%	40%	362
2015	186	37	9	232	65%	35%	357
2020	196	39	10	245	70%	30%	350
2025	206	41	10	258	70%	30%	368

Data Source: MWSS (For the year of 1995), Study on Water Supply and Sewerage Master Plan of Metro Manila in the Republic of the Philippines (for the year of 2000-2015)

Note: Unit water consumptions for 2020-2020 were projected on the basis of trend described in the Master Plan. Non-Revenued water ratio was modified referring to the present condition.

Table E-14 UNIT WATER CONSUMPTION FOR WATER DISTRICTS

Group	Item	1990	1995	2000	2005	2010	2015	2020	2025
	Domestic use	155	165	175	184	193	203	214	224
	Commercial/Industrial/Institutional	33	34	35	37	39	41	43	45
1	Accounted-for-water	188	199	210	221	232	244	257	269
	Unaccounted-for-water	73	98	90	86	77	69	64	67
	Total	261	297	300	307	310	313	321	337
	Domestic use	135	143	150	158	166	174	183	192
	Commercial/Industrial/Institutional	23	27	30	32	33	34	36	38
2	Accounted-for-water	158	170	180	190	199	208	219	230
	Unaccounted-for-water	62	84	77	74	66	59	55	58
	Total	220	254	257	263	265	267	274	288
	Domestic use	120	128	135	142	149	157	165	173
	Commercial/Industrial/Institutional	19	23	24	27	29	31	33	35
3	Accounted-for-water	139	151	159	169	178	188	198	208
	Unaccounted-for-water	54	74	68	66	59	53	49	52
	Total	193	225	227	235	237	241	247	260
	Domestic use	110	118	125	131	138	145	153	160
	Commercial/Industrial/Institutional	15	18	20	23	26	29	31	32
4	Accounted-for-water	125	136	145	154	164	174	184	192
	Unaccounted-for-water	49	67	62	60	55	49	46	48
	Total	174	203	207	214	219	223	229	240
	Domestic use	100	105	110	116	122	128	134	141
	Commercial/Industrial/Institutional	13	15	17	20	22	24	26	28
5	Accounted-for-water	113	120	127	136	144	152	160	169
	Unaccounted-for-water	44	59	54	53	48	43	40	42
	Total	157	179	181	188	191	194	200	211

Note: Annual rate of increase of unit water consumption of domestic use: 1.5% in 2000, 1% in 2000-2010 (LWUA Design Criteria)

	1990	1995	2000	2005	2010	2015	2020	2025
NRW Rate (%)	40	33	30	28	25	22	20	20

Table E-15 SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY BY WATER RESOURCES REGION AND PROVINCE (1/7)

WRR	Province	Type	Public Water Supply Coverage/ Demand		1995 Total	1995 Urban	1995 Rural	2000 Total	2000 Urban	2000 Rural	2005 Total	2005 Urban	2005 Rural	2010 Total	2010 Urban	2010 Rural	2015 Total	2015 Urban	2015 Rural	2020 Total	2020 Urban	2020 Rural	2025 Total	2025 Urban	2025 Rural
WRR-I	Abra		Population	(x 1,000)	196	42	154	207	46	161	221	51	170	233	56	177	243	60	183	250	63	186	255	66	189
		L-III	Pop. Served		17	-	17	25	7	17	34	16	17	44	27	17	56	38	17	68	50	17	80	63	17
			Coverage	(%)	9%	0%	11%	12%	16%	11%	15%	32%	10%	19%	48%	10%	23%	63%	10%	27%	79%	9%	31%	95%	9%
			Water Demand	(MCM/year)	1.74	-	1.74	2.57	0.76	1.81	3.62	1.75	1.88	4.90	2.96	1.94	6.40	4.39	2.01	8.06	5.96	2.09	9.85	7.70	2.15
		L-I, II	Pop. Served		139	38	101	145	39	110	159	32	127	170	27	144	171	19	152	169	10	159	162	-	162
			Coverage	(%)	71%	91%	66%	70%	77%	68%	72%	63%	75%	73%	48%	81%	71%	32%	83%	68%	16%	86%	64%	0%	86%
			Water Demand	(MCM/year)	1.53	0.42	1.11	1.70	0.42	1.28	1.98	0.40	1.57	2.24	0.35	1.89	2.38	0.26	2.11	2.41	0.14	2.27	2.36	-	2.36
		Total	Pop. Served		157	38	119	170	43	127	193	49	144	214	53	161	227	57	170	237	60	177	242	63	179
			Coverage	(%)	80%	91%	77%	82%	93%	79%	87%	95%	85%	92%	95%	91%	93%	95%	95%	95%	95%	95%	95%	95%	95%
			Water Demand	(MCM/year)	3.26	0.42	2.85	4.26	1.17	3.09	5.60	2.15	3.45	7.14	3.30	3.83	8.78	4.66	4.12	10.47	6.12	4.35	12.21	7.70	4.51
	1 Benguet		Population	(x 1,000)	541	310	231	624	394	230	706	488	218	788	593	196	870	762	108	945	829	116	1,017	908	61
		L-III	Pop. Served		191	191	-	265	265	-	355	355	-	464	464	-	593	593	-	741	741	-	908	908	-
			Coverage	(%)	35%	62%	0%	42%	67%	0%	50%	73%	0%	59%	78%	0%	68%	78%	0%	78%	89%	0%	89%	89%	0%
			Water demand	(MCM/year)	11.34	11.34	-	16.51	16.51	-	23.17	23.17	-	31.66	31.66	-	42.24	42.24	-	54.90	54.90	-	69.95	69.95	-
		L-I, II	Pop. served		187	25	164	213	31	181	221	36	185	218	40	178	194	44	150	157	46	110	58	-	58
			Coverage	(%)	35%	7%	71%	34%	8%	79%	31%	7%	85%	28%	7%	91%	22%	6%	93%	17%	6%	95%	6%	0%	95%
			Water Demand	(MCM/year)	2.03	0.25	1.80	2.48	0.36	2.12	2.75	0.44	2.30	2.86	0.53	2.34	2.69	0.61	2.09	2.23	0.66	1.57	0.85	-	0.85
		Total	Pop. Served		378	214	164	477	296	181	576	390	185	682	504	178	787	637	150	886	787	110	966	908	58
			Coverage	(%)	70%	69%	71%	76%	75%	79%	82%	80%	85%	86%	85%	91%	91%	90%	93%	95%	95%	95%	95%	95%	95%
			Water Demand	(MCM/year)	13	12	2	18.99	16.88	2.12	25.91	23.61	2.30	34.53	32.19	2.34	44.93	42.84	2.09	57.13	55.56	1.57	70.80	69.95	0.85
	1 Ilocos Norte		Population	(x 1,000)	483	138	345	523	151	372	560	163	396	595	175	420	625	184	440	648	192	457	670	198	472
		L-III	Pop. Served		100.29	32	69	122	53	69	145	77	69	172	103	69	200	131	69	228	159	69	257	188	69
			Coverage	(%)	21%	23%	20%	23%	35%	18%	26%	47%	17%	29%	59%	16%	32%	71%	16%	35%	83%	15%	38%	95%	15%
			Water demand	(MCM/year)	6.15	1.94	4.21	7.77	3.38	4.39	9.68	5.11	4.57	11.89	7.14	4.75	14.33	9.39	4.93	16.96	11.85	5.11	19.81	14.51	5.29
		L-I, II	Pop. served		238	83	156	299	76	203	315	70	244	348	60	288	376	44	332	379	23	356	350	-	350
			Coverage	(%)	49%	60%	45%	53%	50%	55%	56%	43%	62%	58%	34%	69%	60%	24%	75%	58%	12%	78%	57%	0%	80%
			Water Demand	(MCM/year)	2.61	0.90	1.70	3.25	0.88	2.37	3.91	0.87	3.03	4.57	0.78	3.79	5.22	0.61	4.61	5.39	0.33	5.07	5.54	-	5.54
		Total	Pop. Served		338	114	224	400	129	272	460	147	313	520	163	357	576	175	401	607	182	425	637	188	448
			Coverage	(%)	70%	83%	65%	76%	85%	73%	82%	90%	79%	87%	93%	85%	92%	95%	91%	94%	95%	93%	95%	95%	95%
			Water Demand	(MCM/year)	8.76	2.84	5.92	11.03	4.26	6.76	13.59	5.98	7.61	16.46	7.92	8.54	19.55	10.01	9.54	22.36	12.18	10.18	25.35	14.51	10.83
	1 Ilocos Sur		Population	(x 1,000)	545	128	417	583	145	438	619	160	460	654	175	479	683	186	496	704	194	510	722	200	522
		L-III	Pop. Served		43	-	43	66	23	43	94	51	43	126	83	43	161	118	43	197	154	43	233	190	43
			Coverage	(%)	8%	0%	10.3%	11%	16%	10%	15%	32%	9%	19%	48%	9%	24%	63%	9%	28%	79%	8%	32%	95%	8%
			Water demand	(MCM/year)	2.35	-	2.35	3.84	1.33	2.51	5.81	3.13	2.67	8.28	5.45	2.83	11.20	8.20	3.00	14.43	11.27	3.16	17.95	14.63	3.32
		L-I, II	Pop. served		350	97	253	396	93	303	433	85	348	467	74	393	474	55	418	462	31	431	453	-	453
			Coverage	(%)	64%	76%	61%	68%	64%	69%	70%	53%	76%	71%	43%	82%	69%	30%	84%	66%	16%	85%	63%	0%	87%
			Water Demand	(MCM/year)	3.84	1.07	2.77	4.63	1.08	3.54	5.37	1.06	4.31	6.14	0.98	5.16	6.57	0.77	5.80	6.57	0.44	6.13	6.61	-	6.61
		Total	Pop. Served		394	97	296	462	116	346	527	136	391	593	157	436	635	173	461	659	185	474	686	190	496
			Coverage	(%)	72%	76%	71%	79%	80%	79%	85%	85%	85%	91%	90%	91%	93%	93%	93%	94%	95%	93%	95%	95%	95%
			Water Demand	(MCM/year)	6.18	1.07	5.12	8.47	2.42	6.05	11.18	4.19	6.98	14.42	6.42	8.00	17.76	8.96	8.80	21.00	11.71	9.29	24.56	14.63	9.93
	1 La Union		Population	(x 1,000)	597	158	440	645	185	460	700	216	484	751	244	507	800	270	530	843	293	551	881	304	577
		L-III	Pop. Served		89	27	62	117	56	62	154	93	62	198	137	62	248	187	62	302	240	62	364	293	62
			Coverage	(%)	15%	17%	14%	18%	30%	13%	22%	43%	13%	26%	56%	12%	31%	69%	12%	36%	82%	11%	40%	95%	11%
			Water demand	(MCM/year)	4.56	1.39	3.17	6.54	3.11	3.43	9.27	5.58	3.69	12.75	8.80	3.95	17.00	12.79	4.22	21.94	17.47	4.48	27.30	22.56	4.74
		L-I, II	Pop. served		403	82	321	440	83	357	469	80	389	491	71	420	498	57	442	494	32	462	482	-	482
			Coverage	(%)	67%	52%	73%	68%	45%	78%	67%	37%	80%	65%	29%	83%	62%	21%	83%	59%	11%	84%	55%	0%	86%
			Water Demand	(MCM/year)	4.41	0.90	3.51	5.14	0.97	4.17	5.82	0.99	4.83	6.45	0.93	5.52	6.91	0.79	6.12	7.03	0.46	6.57	7.04	-	7.04
		Total	Pop. Served		491	109	383	557	139	418	623	173	451	689	208	482	746	243	503	795	272	523	837	293	544
			Coverage	(%)	82%	69%	87%	86%	75%	91%	89%	80%	93%	92%	85%	95%	93%	90%	95%	94%	95%	95%	95%	95%	95%
			Water Demand	(MCM/year)	8.97	2.29	6.68	11.67	4.08	7.60	15.08	6.56	8.52	19.20	9.73	9.48	23.91	13.57	10.34	28.97	17.92	11.05	34.34	22.56	11.78
WRR-I Total			Population	(x 1,000)	2,362	775	1,587	2,582	921	1,661	2,807	1,078	1,728	3,022	1,243	1,779	3,220	1,409	1,811	3,390	1,571	1,819	3,545	1,729	1,816
		L-III	Pop. Served		440	249	191	594	403	191	782	591	191	1,004	814	191	1,258	1,067	191	1,535	1,344	191	1,833	1,642	191
			Coverage	(%)	19%	32%	12%	23%	44%	11%	28%	55%	11%	33%	65%	11%	39%	76%	11%	45%	86%	10%	52%	95%	11%
			Water demand	(MCM/year)	26	15	11	37	25	12	52	39	13	69	56	13	91	77	14	110	101	15	145	129	16
		L-I, II	Pop. served		1,318	323	995	1,472	318	1,154	1,597	303	1,293	1,694	271	1,423	1,714	219	1,495	1,661	142	1,518	1,534	-	1,534
			Coverage	(%)	56%	42%	63%	57%	35%	69%	57%	28%	75%	56%	22%	80%	53%	16%	83%	46%	9%	83%	43%	0%	86%
			Water Demand	(MCM/year)	14	4	11	17	4	13	20	4	16	22	4	19	24	3	21	24	2	22	22	-	22
		Total	Pop. Served		1,758	572	1,186	2,067	722	1,345	2,379	895	1,484	2,699	1,084	1,614	2,972	1,286	1,686	3,196	1,487	1,709	3,367	1,642	1,725
			Coverage	(%)	74%	74%	75%	80%	78%	81%	85%	83%	86%	89%	87%	91%	92%	91%	93%	94%	95%	94%	95%	95%	95%
			Water Demand	(MCM/year)	41	18	22	54	29	26	71	42	29	92	60	32	115	80	35	140	103	36	167	129	38
WRR-II	Batanes		Population	(x 1,000)	14	5	9	17	7	10	18	8	10	20	9	11	20	10	10	21	11	10	22	12	10
		L-III	Pop. Served		-	-	-	1	1	-	2	2	-	4	4	-	6	6	-	8	8	-	11	11	-
			Coverage	(%)	0%	0%	0%	6%	16%	0%	14%	32%	0%	22%	48%	0%	31%	63%	0%	40%	79%	0%	50%	95%	0%
			Water demand	(MCM/year)	-	-	-	0.06	0.06	-	0.15	0.15	-	0.29	0.29	-	0.43	0.43	-	0.62	0.62	-	0.85	0.85	-
		L-I, II	Pop. served		13	5	8	14	5	9	14	5	10	15	4	10	13	3	10	11	2	10	10	-	10
			Coverage	(%)	91%	92%	90%	85%	77%	91%	80%	63%	93%	73%	48%	95%	64%	32%	95%	55%	16%	95%	45%	0%	95%
			Water Demand	(MCM/year)	0.14	0.05	0.09	0.17	0.06	0.11	0.18	0.06	0.12	0.19	0.06	0.14	0.18	0.04	0.14	0.16	0.02	0.14	0.14	-	0.14
		Total	Pop. Served		13	5	8	16	6	9	17	7	10	19	9	10	19	9	10	20	10	10	21	11	10
			Coverage	(%)	91%	92%	90%	92%	93%	91%	94%	95%	93%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
			Water Demand	(MCM/year)	0.14	0.05	0.09	0.23	0.13	0.11	0.33	0.21	0.12	0.48	0.34	0.14	0.60	0.47	0.14	0.78	0.64	0.14	0.99	0.85	0.14
	2 Cagayan		Population	(x 1,000)	895	143	752	962	155	807	1,042	168	874	1,118	181	937	1,186	193	993	1,242	204	1,038	1,290	211	1,078
		L-III	Pop. Served		52	40	11	72	61	11	96	85	11	123	112	11	152	141	11	182	171	11	212	201	11
			Coverage	(%)	6%	28%	2%	8%	39%	1%	9%	50%	1%	11%	62%	1%	13%	73%	1%	15%	84%	1%	16%	95%	1%
			Water demand	(MCM/year)	3.05	2.39	0.67	4.48	3.78	0.70	6.24	5.51	0.74	8.36	7.59	0.77	10.79	9.99	0.80	13.49	12.65	0.84	16.35	15.47	0.87
		L-I, II	Pop. served		611	58	553	681	55	626	781	50	732	883	42	841	945	33	912	994	19	975	1,013	-	1,013
			Coverage	(%)	68%	41%	73%	71%	36%	78%	75%	30%	84%	79%	23%	90%	80%	17%	92%	80%	9%	94%	79%	0%	94%
			Water Demand	(MCM/year)	6.69	0.64	6.05	7.90	0.65	7.31	9.69	0.62	9.08	11.61	0.56	11.05	13.11	0.46	12.65	14.15	0.27	13.88	14.79	-	14.79
		Total	Pop. Served		663	99	564	754	116	637	877	134	743	1,006	154	852	1,097	174	923	1,176	189	987	1,225	201	1,024
			Coverage	(%)	74%	69%	75%	78%	75%	79%	84%	80%	85%	90%	85%	91%	93%	90%	93%	95%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	9.75	3.03	6.72	12.44	4.43	8.02	15.94	6.12	9.82	19.97	8.15	11.82	23.90	10.45	13.45	27.63	12.91	14.72	31.13	15.47	15.66
	2 Trugao		Population	(x 1,000)	150	16	134	178	20	159	198	22	176	218	25	193	236	28	208	251	30	221	265	32	233
		L-III	Pop. Served		-	-	-	3	3	-	7	7	-	11	11	-	17	17	-	23	23	-	29	29	-
			Coverage	(%)	0%	0%	0%	2%	15%	0%	3%	30%	0%	5%	45%	0%	7%	60%	0%	9%	75%	0%	11%	90%	0%
			Water demand	(MCM/year)	-	-	-	0.18	0.18	-	0.42	0.42	-	0.76	0.76	-	1.17	1.17	-	1.66	1.66	-	2.22	2.22	-
		L-I, II	Pop. served		112	9	103	144	9	135	168	9	160	187	8	179	203	6	198	213	3	210	221	-	221
			Coverage	(%)	75%	56%	77%	81%	47%	85%	85%	38%	91%	86%	30%	93%	86%	20%	95%	85%	10%	95%	84%	0%	95%
			Water Demand	(MCM/year)	1.22	0.10	1.13	1.68	0.11	1.58	2.09	0.11	1.98	2.46	0.10	2.36	2.82	0.08	2.74	3.03	0.04	2.98	3.23	-	3.23
		Total	Pop. Served		112	9	103	147	12	135	175	15	160	198	19	179	220	22	198	235	26	210	250	29	221
			Coverage	(%)	75%	56%	77%	82%	62%	85%	88%	68%	91%	91%	75%	93%	93%	80%	95%	94%	85%	95%	94%	92%	95%
			Water Demand	(MCM/year)	1.22	0.10	1.13	1.86	0.28	1.58	2.51	0.53	1.98	3.21	0.46	2.36	3.99	1.25	2.74	4.69	1.70	2.98	5.45	2.22	3.23
	2 Isabela		Population	(x 1,000)	1,161	295	866	1,313	356	957	1,444	413	1,031	1,559	468	1,091	1,646	511	1,137	1,717	546	1,171	1,769	571	1,198
		L-III	Pop. Served		74	40	34	128	94	34	190	162	34	277	242	34	364	330	34	456	422	34	548	514	34
			Coverage	(%)	6%	14%	4%	10%	26%	4%	14%	39%	3%	18%	52%	3%	22%	65%	3%	27%	77%	3%	31%	90%	3%
			Water demand	(MCM/year)	4.10	2.22	1.88	7.52	5.52	2.00	12.21	10.08	2.13	18.27	16.02	2.25	25.37	22.99	2.38	33.45	30.95	2.50	42.23	39.60	2.63
		L-I, II	Pop. served		604	119	485	787	123	664	900	119	780	1,002	108	893	1,079	79	1,000	1,097	42	1,055	1,104	-	1,104
			Coverage	(%)	52%	40%	56%	60%	35%	69%	62%	29%	76%	64%	23%	82%	66%	15%	88%	64%	8%	90%	62%	0%	92%
			Water Demand	(MCM/year)	6.62	1.30	5.32	9.20	1.44	7.76	11.17	1.48	9.69	13.16	1.42	11.74	14.97	1.09	13.88	15.61	0.60	15.01	16.11	-	16.11
		Total	Pop. Served		679	159	520	915	217	699	1,090	281	815	1,278	351	927	1,443	409	1,035	1,553	464	1,089	1,652	514	1,138
			Coverage	(%)	58%	54%	60%	70%	61%	73%	76%	68%	79%	82%	75%	85%	88%	80%	91%	90%	83%	93%	93%	90%	95%
			Water Demand	(MCM/year)	10.72	3.52	7.20	16.72	6.96	9.76	23.38	11.57	11.81	31.43	17.44	13.99	40.34	24.08	16.25	49.06	31.55	17.52	58.34	39.60	18.74
	2 Kalinga-Apayao		Population	(x 1,000)	238	45	193	252	54	198	276	66	209	297	80	217	313	93	220	326	106	221	337	118	219
		L-III	Pop. Served		-	-	-	8	8	-	21	21	-	37	37	-	58	58	-	82	82	-	110	110	-
			Coverage	(%)	0%	0%	0%	3%	16%	0%	7%	31%	0%	13%	47%	0%	18%	62%	0%	25%	78%	0%	33%	95%	0%
			Water demand	(MCM/year)	-	-	-	0.50	0.50	-	1.30	1.30	-	2.47	2.47	-	4.04	4.04	-	6.02	6.02	-	8.47	8.47	-
		L-I, II	Pop. served		165	28	137	185	28	157	207	29	178	224	27	197	226	21	205	223	13	209	208	-	208
			Coverage	(%)	69%	62%	71%	73%	53%	79%	75%	44%	85%	76%	34%	91%	72%	23%	93%	68%	13%	95%	62%	0%	95%
			Water Demand	(MCM/year)	1.80	0.30	1.50	2.16	0.33	1.83	2.57	0.36	2.21	2.94	0.35	2.59	3.14	0.30	2.84	3.17	0.19	2.98	3.03	-	3.03
		Total	Pop. Served		165	28	137	193	37	157	228	50	178	261	64	197	284	79	205	305	95	209	318	110	208
			Coverage	(%)	69%	62%	71%	77%	68%	79%	83%	75%	85%	88%	80%	91%	91%	85%	93%	93%	90%	95%	94%	93%	95%
			Water Demand	(MCM/year)	1.80	0.30	1.50	2.66	0.83	1.83	3.87	1.66	2.21	5.42	2.82	2.59	7.18	4.34	2.84	9.19	6.21	2.98	11.51	8.47	3.03
	2 Mt. Province		Population	(x 1,000)	131	6	125	134.53	6	128	145	7	138	157	8	150	167	8	159	175	9	166	183	9	174
		L-III	Pop. Served		-	-	-	1	1	-	2	2	-	4	4	-	5	5	-	7	7	-	9	9	-
			Coverage	(%)	0%	0%	0%	1%	16%	0%	2%	32%	0%	2%	48%	0%	3%	63%	0%	4%	79%	0%	5%	95%	0%
			Water demand	(MCM/year)	-	-	-	0.06	0.06	-	0.14	0.14	-	0.24	0.24	-	0.37	0.37	-	0.51	0.51	-	0.68	0.68	-
		L-I, II	Pop. served		95	4	91	105	4	101	121	3	118	139	3	136	150	2	148	159	1	158	165	-	165
			Coverage	(%)	73%	69%	73%	78%	59%	79%	83%	48%	85%	88%	38%	91%	90%	27%	93%	91%	14%	95%	90%	0%	95%
			Water Demand	(MCM/year)	1.04	0.05	1.00	1.23	0.04	1.18	1.50	0.04	1.46	1.83	0.04	1.79	2.08	0.03	2.05	2.27	0.02	2.25	2.41	-	2.41
		Total	Pop. Served		95	4	91	106	5	101	123	6	118	143	7	136	155	8	148	166	8	158	174	9	165
			Coverage	(%)	73%	69%	73%	79%	75%	79%	85%	80%	85%	91%	85%	91%	93%	90%	93%	95%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	1.04	0.05	1.00	1.29	0.10	1.18	1.64	0.18	1.46	2.07	0.28	1.79	2.45	0.40	2.05	2.78	0.53	2.25	3.09	0.68	2.41
	2 Nueva Vizcaya		Population	(x 1,000)	335	97	237	365	109	255	403	125	279	443	140	303	481	154	326	514	167	347	543	177	363
		L-III	Pop. Served		-	-	-	17	17	-	39	39	-	66	66	-	98	98	-	132	132	-	169	169	-
			Coverage	(%)	0%	0%	0%	5%	16%	0%	10%	32%	0%	15%	48%	0%	20%	63%	0%	26%	79%	0%	31%	95%	0%
			Water demand	(MCM/year)	-	-	-	1.03	1.03	-	2.49	2.49	-	4.43	4.43	-	6.85	6.85	-	9.73	9.73	-	12.98	12.98	-
		L-I, II	Pop. served		222	84	138	250	81	169	280	76	203	306	66	239	326	49	277	342	26	316	345	-	345
			Coverage	(%)	66%	86%	58%	68%	74%	66%	69%	61%	73%	69%	48%	79%	68%	32%	85%	67%	16%	91%	64%	0%	95%
			Water Demand	(MCM/year)	2.43	0.92	1.51	2.92	0.95	1.97	3.47	0.95	2.52	4.02	0.87	3.14	4.52	0.68	3.85	4.87	0.38	4.50	5.04	-	5.04
		Total	Pop. Served		222	84	138	267	98	169	319	116	203	372	133	239	424	147	277	475	159	316	514	169	345
			Coverage	(%)	66%	86%	58%	73%	90%	66%	79%	93%	73%	84%	95%	79%	88%	95%	85%	92%	95%	91%	95%	95%	95%
			Water Demand	(MCM/year)	2.43	0.92	1.51	3.95	1.98	1.97	5.97	3.44	2.52	8.45	5.30	3.14	11.37	7.52	3.85	14.60	10.11	4.50	18.02	12.98	5.04
	2 Quirino		Population	(x 1,000)	131	33	98	147	38	108	167	45	122	187	53	135	208	60	148	226	67	159	243	74	169
		L-III	Pop. Served		3	-	3	9	6	3	17	14	3	27	24	3	40	37	3	55	52	3	71	68	3
			Coverage	(%)	2%	0%	3%	6%	16%	3%	10%	31%	2%	15%	47%	2%	19%	62%	2%	24%	78%	2%	29%	93%	2%
			Water demand	(MCM/year)	0.07	-	0.07	0.30	0.20	0.10	0.72	0.60	0.12	1.39	1.25	0.14	2.39	2.23	0.17	3.75	3.55	0.19	5.48	5.27	0.22
		L-I, II	Pop. served		70	20	50	96	20	76	114	20	94	129	18	112	146	14	132	153	8	145	158	-	158
			Coverage	(%)	60%	61%	60%	66%	53%	70%	68%	44%	77%	69%	34%	83%	70%	23%	89%	68%	13%	91%	65%	0%	93%
			Water Demand	(MCM/year)	0.87	0.22	0.65	1.12	0.23	0.89	1.41	0.25	1.16	1.70	0.23	1.47	2.02	0.19	1.83	2.18	0.12	2.06	2.30	-	2.30
		Total	Pop. Served		82	20	62	105	26	79	130	34	96	156	42	114	186	51	135	205	60	145	229	68	161
			Coverage	(%)	63%	61%	63%	72%	68%	73%	78%	75%	79%	84%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%
			Water Demand	(MCM/year)	1	0	1	1.42	0.43	0.99	2.12	0.84	1.28	3.09	1.48	1.61	4.41	2.42	1.99	5.93	3.67	2.25	7.79	5.27	2.52

Table E-15 SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY BY WATER RESOURCES REGION AND PROVINCE (2/7)

WRR	Province	Type	Public Water Supply Coverage; Demand	1995 Total	1995 Urban	1995 Rural	2000 Total	2000 Urban	2000 Rural	2005 Total	2005 Urban	2005 Rural	2010 Total	2010 Urban	2010 Rural	2015 Total	2015 Urban	2015 Rural	2020 Total	2020 Urban	2020 Rural	2025 Total	2025 Urban	2025 Rural
WRR-II Total			Population (x 1,000)	3,054	940	2,114	3,360	745	2,615	3,666	854	2,840	3,998	903	3,035	4,258	1,057	3,201	4,472	1,139	3,333	4,649	1,205	3,444
		L-III	Pop. Served	129	81	48	240	191	48	380	332	48	550	501	48	739	691	48	945	897	48	1,159	1,111	48
			Coverage (%)	4%	13%	2%	7%	26%	2%	10%	39%	2%	14%	55%	2%	17%	65%	2%	21%	79%	1%	25%	92%	1%
			Water demand (MCM/year)	7	5	3	14	11	3	24	21	3	36	33	3	51	46	3	69	66	4	89	86	4
		L-I, II	Pop. served	1,901	327	1,574	2,263	326	1,937	2,585	311	2,274	2,885	276	2,608	3,068	205	2,863	3,192	115	3,077	3,223	-	3,223
			Coverage (%)	62%	51%	65%	67%	44%	74%	70%	36%	80%	72%	29%	86%	73%	20%	90%	71%	10%	92%	69%	0%	94%
			Water Demand (MCM/year)	21	4	17	26	4	23	32	4	28	38	4	34	43	3	40	45	2	44	47	-	47
		Total	Pop. Served	2,030	407	1,622	2,503	518	1,985	2,965	643	2,322	3,434	778	2,657	3,826	896	2,929	4,137	1,011	3,126	4,382	1,111	3,271
			Coverage (%)	66%	64%	67%	74%	69%	76%	80%	75%	82%	86%	81%	89%	90%	85%	92%	93%	89%	94%	94%	92%	95%
			Water Demand (MCM/year)	28	8	20	41	15	25	56	25	31	74	37	37	94	51	43	115	67	47	136	86	51
WRR-III	Bataan		Population (x 1,000)	491	340	146	536	402	134	589	467	122	646	527	109	675	579	96	706	621	85	734	655	79
		L-III	Pop. Served	149	107	42	210	167	42	286	244	42	374	332	42	468	426	42	566	524	42	665	623	42
			Coverage (%)	30%	31%	29%	39%	42%	32%	49%	52%	35%	58%	63%	39%	69%	74%	44%	80%	84%	50%	91%	95%	54%
			Water demand (MCM/year)	18.56	13.30	5.26	26.03	20.79	5.25	35.50	30.26	5.24	46.31	41.08	5.23	57.85	52.64	5.22	69.79	64.58	5.21	81.77	76.57	5.20
		L-I, II	Pop. served	234	159	75	226	154	72	221	153	69	201	143	59	161	112	49	106	66	38	32	-	32
			Coverage (%)	48%	46%	51%	42%	38%	53%	38%	33%	56%	32%	27%	54%	24%	19%	51%	15%	11%	45%	4%	0%	45%
			Water Demand (MCM/year)	2.56	1.74	0.82	2.64	1.80	0.84	2.75	1.99	0.85	2.65	1.87	0.77	2.23	1.55	0.68	1.49	0.94	0.54	0.47	-	0.47
		Total	Pop. Served	383	266	117	436	322	114	508	397	111	576	475	101	629	538	91	671	590	80	697	623	75
			Coverage (%)	78%	77%	80%	81%	80%	85%	86%	85%	91%	89%	90%	93%	93%	93%	95%	95%	95%	95%	95%	95%	95%
			Water Demand (MCM/year)	21.12	15.05	6.07	28.67	22.59	6.08	38.24	32.15	6.09	48.95	42.95	6.00	60.08	54.19	5.89	71.27	65.52	5.75	82.24	76.57	5.67
	3 Bulacan		Population (x 1,000)	1,784	1,453	332	1,918	1,682	236	2,139	2,000	139	2,361	2,333	28	2,575	2,575	-	2,774	2,774	-	2,961	2,961	-
		L-III	Pop. Served	378	279	99	634	535	99	989	889	99	1,332	1,332	-	1,795	1,795	-	2,285	2,285	-	2,813	2,813	-
			Coverage (%)	21%	19%	30%	33%	32%	42%	46%	44%	71%	56%	57%	0%	70%	70%	-	82%	82%	-	95%	95%	-
			Water demand (MCM/year)	23.87	17.60	6.27	41.53	35.03	6.50	66.99	60.26	6.73	93.33	93.33	-	129.97	129.97	-	170.67	170.67	-	216.64	216.64	-
		L-I, II	Pop. served	910	767	143	897	810	87	830	811	19	793	768	26	599	599	-	350	350	-	-	-	-
			Coverage (%)	51%	53%	43%	47%	48%	37%	39%	41%	14%	34%	33%	91%	23%	23%	-	13%	13%	-	0%	0%	-
			Water Demand (MCM/year)	9.97	8.40	1.57	10.48	9.46	1.02	10.30	10.06	0.23	10.42	10.09	0.34	8.31	8.31	-	4.99	4.99	-	-	-	-
		Total	Pop. Served	1,288	1,046	242	1,532	1,345	186	1,818	1,700	118	2,125	2,099	26	2,395	2,395	-	2,635	2,635	-	2,813	2,813	-
			Coverage (%)	72%	72%	73%	80%	80%	79%	85%	85%	85%	90%	90%	91%	93%	93%	-	95%	95%	-	95%	95%	-
			Water Demand (MCM/year)	33.84	26.00	7.84	52.01	44.49	7.52	77.29	70.33	6.96	103.76	103.42	0.34	138.28	138.28	-	175.66	175.66	-	216.64	216.64	-
	3 Nueva Ecija		Population (x 1,000)	1,506	443	1,063	1,584	477	1,107	1,716	527	1,189	1,826	570	1,257	1,916	607	1,309	1,987	638	1,349	2,044	992	1,052
		L-III	Pop. Served	303	262	41	350	309	41	412	371	41	475	434	41	538	492	41	598	557	41	657	616	41
			Coverage (%)	20%	59%	4%	22%	65%	4%	24%	71%	3%	26%	76%	3%	28%	82%	3%	30%	87%	3%	32%	93%	3%
			Water demand (MCM/year)	16.83	14.56	2.27	20.69	18.27	2.42	25.84	23.28	2.57	31.45	28.74	2.71	37.54	34.68	2.86	43.93	40.92	3.01	50.59	47.44	3.15
		L-I, II	Pop. served	824	25	799	915	15	900	1,065	24	1,041	1,150	22	1,128	1,255	20	1,202	1,258	17	1,241	1,272	-	1,272
			Coverage (%)	55%	6%	75%	58%	3%	81%	62%	4%	88%	63%	4%	90%	64%	3%	92%	63%	3%	92%	62%	0%	92%
			Water Demand (MCM/year)	9.03	0.28	8.75	10.68	0.17	10.51	13.21	0.29	12.92	15.11	0.29	14.82	16.95	0.27	16.68	17.90	0.24	17.66	18.57	-	18.57
		Total	Pop. Served	1,128	288	840	1,265	324	941	1,477	395	1,082	1,625	456	1,169	1,760	516	1,243	1,856	574	1,282	1,929	616	1,313
			Coverage (%)	75%	65%	79%	80%	68%	85%	86%	75%	91%	89%	80%	93%	92%	85%	95%	93%	90%	95%	94%	93%	95%
			Water Demand (MCM/year)	25.86	14.84	11.02	31.37	18.44	12.93	39.06	23.57	15.49	46.56	29.03	17.53	54.49	34.96	19.54	61.83	41.16	20.67	69.16	47.44	21.72
	3 Pampanga		Population (x 1,000)	1,636	1,189	447	1,901	1,467	433	2,079	1,696	382	2,235	1,915	320	2,366	2,120	243	2,470	2,305	166	2,559	2,472	87
		L-III	Pop. Served	326	319	6	562	556	6	836	829	6	1,154	1,148	6	1,511	1,504	6	1,866	1,860	6	2,306	2,299	6
			Coverage (%)	20%	27%	1%	30%	38%	1%	40%	49%	2%	52%	60%	2%	64%	71%	3%	77%	82%	4%	90%	93%	7%
			Water demand (MCM/year)	32.09	31.47	0.62	57.68	57.04	0.64	89.17	88.50	0.67	127.83	127.13	0.69	173.52	172.80	0.72	225.46	224.72	0.74	283.59	282.82	0.77
		L-I, II	Pop. served	729	382	347	804	442	362	784	443	342	675	384	291	523	298	225	336	185	151	76	-	76
			Coverage (%)	45%	32%	78%	42%	30%	84%	38%	26%	89%	30%	20%	91%	22%	14%	92%	14%	8%	91%	3%	0%	88%
			Water Demand (MCM/year)	7.94	4.19	3.79	9.30	5.16	4.23	9.73	5.49	4.24	8.87	5.05	3.82	7.25	4.13	3.12	4.78	2.63	2.15	1.12	-	1.12
		Total	Pop. Served	1,054	702	353	1,366	998	368	1,620	1,272	348	1,829	1,532	297	2,034	1,802	231	2,232	2,074	157	2,382	2,299	83
			Coverage (%)	64%	59%	79%	72%	68%	85%	78%	75%	91%	82%	80%	93%	86%	85%	95%	90%	90%	95%	93%	93%	95%
			Water Demand (MCM/year)	40.03	35.66	4.41	67.07	62.20	4.87	98.91	94.00	4.91	136.70	132.18	4.52	180.77	176.93	3.84	230.24	227.35	2.89	284.70	282.82	1.89
	3 Pangasinan		Population (x 1,000)	2,178	911	1,268	2,375	1,078	1,297	2,583	1,271	1,312	2,778	1,472	1,306	2,953	1,677	1,276	3,103	1,880	1,223	3,233	2,079	1,154
		L-III	Pop. Served	353	249	104	517	413	104	730	626	104	990	886	104	1,299	1,193	104	1,647	1,543	104	2,038	1,934	104
			Coverage (%)	16%	27%	8%	22%	38%	8%	28%	49%	8%	36%	60%	8%	44%	71%	8%	53%	82%	9%	63%	93%	9%
			Water demand (MCM/year)	16.25	11.47	4.78	26.46	21.14	5.32	41.12	35.26	5.86	60.90	54.50	6.40	86.47	79.54	6.93	118.34	110.87	7.47	156.92	148.91	8.01
		L-I, II	Pop. served	1,177	343	834	1,240	320	920	1,339	327	1,012	1,376	292	1,084	1,315	233	1,082	1,207	149	1,067	993	-	993
			Coverage (%)	54%	38%	66%	52%	30%	71%	52%	26%	77%	50%	20%	83%	45%	14%	85%	39%	8%	86%	31%	0%	86%
			Water Demand (MCM/year)	12.89	3.75	9.13	14.49	3.74	10.75	16.61	4.06	12.55	18.08	3.83	14.25	18.24	3.23	15.01	17.18	2.12	15.05	14.49	-	14.49
		Total	Pop. Served	1,530	592	938	1,758	733	1,024	2,069	953	1,116	2,366	1,178	1,188	2,612	1,426	1,186	2,854	1,692	1,161	3,030	1,934	1,097
			Coverage (%)	70%	65%	74%	74%	68%	79%	80%	75%	85%	85%	80%	91%	88%	85%	93%	92%	90%	95%	94%	93%	95%
			Water Demand (MCM/year)	29.13	15.22	13.92	40.95	24.87	16.07	57.74	39.33	18.41	78.98	58.34	20.64	104.71	82.77	21.95	135.51	112.99	22.53	171.42	148.91	22.50
	3 Tarlac		Population (x 1,000)	946	273	672	1,041	325	717	1,130	379	752	1,200	431	779	1,274	477	798	1,327	516	811	1,269	749	520
		L-III	Pop. Served	110	69	11	161	150	11	223	212	11	294	283	11	371	360	11	451	440	11	522	522	-
			Coverage (%)	12%	36%	2%	15%	46%	2%	20%	56%	1%	24%	66%	1%	29%	75%	1%	34%	85%	1%	38%	95%	0%
			Water demand (MCM/year)	9.18	8.27	0.91	13.70	12.77	0.93	19.40	18.44	0.95	26.16	25.19	0.98	33.73	32.73	1.00	41.91	40.89	1.02	49.50	49.50	-
		L-I, II	Pop. served	616	59	527	692	94	598	764	91	673	797	83	713	816	69	747	799	40	759	779	-	779
			Coverage (%)	65%	33%	78%	66%	29%	83%	68%	24%	90%	66%	19%	92%	64%	15%	94%	60%	8%	94%	57%	0%	95%
			Water Demand (MCM/year)	6.75	0.98	5.77	8.08	1.10	6.99	9.49	1.13	8.35	10.47	1.09	9.37	11.32	0.96	10.36	11.38	0.57	10.81	11.38	-	11.38
		Total	Pop. Served	727	169	538	853	244	609	987	303	684	1,090	366	724	1,187	429	758	1,250	480	770	1,301	522	779
			Coverage (%)	77%	66%	80%	82%	75%	85%	87%	80%	91%	90%	85%	93%	93%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	15.93	9.25	6.68	21.78	13.86	7.92	28.88	19.58	9.31	36.63	26.28	10.35	45.05	33.69	11.36	53.28	41.46	11.83	60.87	49.50	11.38
	3 Zambales		Population (x 1,000)	589	319	270	682	383	299	739	416	323	790	447	344	835	472	362	873	495	378	907	515	392
		L-III	Pop. Served	246	173	72	307	234	72	355	283	72	406	334	72	457	385	72	509	437	72	562	489	72
			Coverage (%)	43%	54%	29%	45%	61%	24%	48%	68%	22%	51%	75%	21%	55%	81%	20%	58%	88%	19%	62%	95%	18%
			Water demand (MCM/year)	20.00	14.12	5.89	25.65	19.60	6.05	30.49	24.28	6.21	35.78	29.40	6.38	41.33	34.79	6.54	47.18	40.47	6.70	53.30	46.44	6.87
		L-I, II	Pop. served	141	113	28	247	122	125	276	113	163	290	91	199	300	64	236	305	34	272	292	-	292
			Coverage (%)	25%	36%	11%	36%	32%	42%	37%	27%	51%	37%	20%	58%	36%	14%	65%	35%	7%	72%	32%	0%	75%
			Water Demand (MCM/year)	1.55	1.24	0.30	2.88	1.42	1.46	3.43	1.40	2.03	3.81	1.19	2.62	4.15	0.89	3.27	4.35	0.48	3.87	4.26	-	4.26
		Total	Pop. Served	387	287	100	553	356	197	631	395	236	696	424	272	757	449	308	814	470	344	854	489	364
			Coverage (%)	66%	90%	40%	81%	93%	66%	85%	95%	73%	85%	95%	79%	91%	95%	85%	95%	95%	91%	94%	95%	93%
			Water Demand (MCM/year)	21.55	15.36	6.19	28.53	21.03	7.51	33.92	25.68	8.24	39.59	30.59	8.99	45.49	35.68	9.81	51.52	40.95	10.57	57.56	46.44	11.13
WRR-III Total			Population (x 1,000)	9,111	4,933	4,178	10,036	5,814	4,222	10,975	6,756	4,220	11,836	7,666	4,142	12,592	8,598	4,064	13,240	9,230	4,011	13,806	9,894	3,914
		L-III	Pop. Served	1,866	1,490	376	2,741	2,365	376	3,841	3,455	376	5,025	4,748	277	6,437	6,160	277	7,952	7,675	277	9,561	9,295	266
			Coverage (%)	20%	30%	9%	27%	41%	9%	35%	51%	9%	42%	62%	7%	51%	72%	7%	60%	83%	7%	69%	94%	7%
			Water demand (MCM/year)	137	111	26	212	185	27	309	280	28	422	399	22	560	537	23	717	693	24	892	868	24
		L-I, II	Pop. served	4,631	1,879	2,752	5,021	1,957	3,064	5,279	1,961	3,319	5,282	1,782	3,500	4,936	1,395	3,541	4,360	861	3,518	3,444	-	3,444
			Coverage (%)	51%	38%	66%	50%	34%	73%	48%	29%	79%	45%	23%	85%	39%	16%	87%	33%	9%	88%	25%	0%	88%
			Water Demand (MCM/year)	51	21	30	59	23	36	66	24	41	69	23	46	68	19	46	62	12	50	50	-	50
		Total	Pop. Served	6,497	3,369	3,128	7,762	4,322	3,440	9,110	5,416	3,695	10,307	6,530	3,777	11,373	7,555	3,818	12,312	8,517	3,795	13,005	9,295	3,710
			Coverage (%)	71%	68%	75%	77%	74%	81%	83%	80%	88%	87%	85%	91%	90%	89%	93%	93%	92%	95%	94%	94%	95%
			Water Demand (MCM/year)	188	131	56	270	207	63	374	305	69	491	423	68	629	556	72	779	705	74	943	868	74
WRR-IV	Aurora		Population (x 1,000)	160	67	92	196	91	106	228	114	114	260	140	120	296	170	127	332	200	132	369	232	137
		L-III	Pop. Served	4	-	4	19	14	4	40	36	4	71	66	4	112	107	4	163	159	4	225	220	4
			Coverage (%)	3%	0%	5%	9%	16%	4%	18%	32%	4%	27%	48%	4%	38%	63%	3%	49%	79%	3%	61%	95%	3%
			Water demand (MCM/year)	0.13	-	0.13	0.71	0.55	0.16	1.85	1.66	0.20	3.79	3.56	0.23	6.86	6.60	0.26	11.28	10.98	0.30	17.31	16.98	0.33
		L-I, II	Pop. served	114	46	68	133	54	79	144	55	93	157	52	105	159	45	114	149	28	121	126	-	126
			Coverage (%)	72%	69%	73%	68%	59%	75%	65%	48%	81%	61%	38%	87%	54%	27%	90%	45%	14%	92%	34%	0%	92%
			Water Demand (MCM/year)	1.25	0.51	0.74	1.55	0.63	0.93	1.83	0.68	1.15	2.07	0.69	1.38	2.20	0.63	1.58	2.12	0.39	1.72	1.84	-	1.84
		Total	Pop. Served	118	46	72	151	68	84	188	91	97	228	119	109	271	153	118	312	186	125	350	220	130
			Coverage (%)	74%	69%	76%	77%	75%	79%	83%	80%	85%	88%	85%	91%	91%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	1.38	0.51	0.87	2.26	1.17	1.09	3.69	2.34	1.35	5.86	4.25	1.61	9.07	7.23	1.84	13.39	11.37	2.02	19.14	16.98	2.17
	4 Batangas		Population (x 1,000)	1,659	831	828	1,837	1,007	830	2,009	1,185	824	2,169	1,345	824	2,336	1,523	813	2,487	1,704	784	2,627	1,887	740
		L-III	Pop. Served	297	233	64	458	395	64	661	597	64	891	827	64	1,171	1,107	64	1,492	1,429	64	1,818	1,754	64
			Coverage (%)	18%	28%	8%	25%	39%	8%	33%	50%	8%	41%	62%	8%	50%	73%	8%	60%	84%	8%	69%	93%	9%
			Water demand (MCM/year)	27.51	21.61	5.90	43.44	37.40	6.03	63.97	57.81	6.16	88.13	81.83	6.30	118.22	111.79	6.43	153.77	147.21	6.56	191.11	184.42	6.69
		L-I, II	Pop. served	815	349	466	953	411	542	997	410	587	1,020	383	637	986	309	676	855	190	665	678	-	678
			Coverage (%)	49%	42%	56%	52%	41%	65%	50%	35%	71%	47%	28%	77%	42%	20%	83%	34%	11%	85%	36%	0%	87%
			Water Demand (MCM/year)	8.92	3.82	5.10	11.13	4.80	6.34	12.38	5.04	7.28	13.40	5.03	8.37	13.67	4.29	9.38	12.17	2.71	9.47	9.89	-	9.89
		Total	Pop. Served	1,111	582	530	1,411	805	606	1,658	1,007	651	1,911	1,210	701	2,156	1,416	740	2,347	1,619	729	2,496	1,754	741
			Coverage (%)	67%	70%	64%	77%	80%	73%	83%	85%	79%	88%	90%	85%	92%	93%	91%	94%	95%	93%	95%	95%	95%
			Water Demand (MCM/year)	36.43	25.42	11.00	54.57	42.20	12.37	76.35	62.90	13.45	101.53	86.87	14.67	131.89	116.08	15.81	165.95	149.92	16.03	201.01	184.42	16.59
	4 Cavite		Population (x 1,000)	1,610	1,180	430	1,702	1,294	409	1,816	1,427	389	2,048	1,661	387	2,308	1,925	383	2,573	2,200	373	2,845	2,456	389
		L-III	Pop. Served	698	670	28	845	817	28	1,020	992	28	1,288	1,261	28	1,611	1,583	28	1,978	1,950	28	2,361	2,333	28
			Coverage (%)	43%	57%	6%	50%	63%	7%	56%	70%	7%	63%	76%	7%	70%	82%	7%	77%	89%	7%	83%	95%	7%
			Water demand (MCM/year)	99.59	96.61	2.98	104.00	100.98	3.02	108.31	105.35	2.97	136.38	133.43	2.96	168.20	165.29	2.92	201.38	198.54	2.85	240.49	243.57	2.92
		L-I, II	Pop. served	456	145	312	473	154	319	475	150	326	484	152	332	485	149	336	423	90	326	339	-	339
			Coverage (%)	28%	12%	73%	28%	12%	78%	26%	10%	84%	24%	8%	86%	21%	8%	88%	16%	4%	88%	12%	0%	88%
			Water Demand (MCM/year)	5.00	1.58	3.41	5.52	1.79	3.73	5.90	1.86	4.04	6.36	1.99	4.36	6.73	2.07	4.66	6.02	1.37	4.65	4.95	-	4.95
		Total	Pop. Served	1,154	814	340	1,318	970	347	1,495	1,142	354	1,772	1,412	360	2,097	1,733	364	2,400	2,046	354	2,701	2,333	367
			Coverage (%)	72%	69%	79%	77%	75%	85%	92%	80%	91%	87%	85%	93%	91%	90%	95%	93%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	104.58	98.19	6.39	109.52	102.77	6.75	114.21	107.21	7.01	142.74	135.42	7.32	174.93	167.36	7.58	207.40	199.91	7.49	251.66	243.57	7.89
	4 Laguna		Population (x 1,000)	1,631	1,346	285	1,926	1,680	247	2,296	2,105	191	2,646	2,540	106	2,999	30	2,966	3,353	34	3,319	3,719	37	3,682
		L-III	Pop. Served	319	245	73	594	521	73	996	922	73	1,511	1,438	73	94	21	73	101	28	73	109	35	73
			Coverage (%)	20%	18%	26%	31%	31%	30%	43%	44%	38%	57%	57%	69%	3%	69%	2%	3%	82%	2%	3%	95%	2%
			Water demand (MCM/year)	17.90	13.78	4.12	35.47	31.10	4.37	62.87	58.24	4.63	100.66	95.78	4.88	6.59	1.46	5.13	7.42	2.03	5.39	8.36	2.72	5.64
		L-I, II	Pop. served	881	683	198	900	739	161	869	762	108	748	721	27	2,750	6	2,744	3,064	4	3,060	3,424	-	3,424
			Coverage (%)	54%	51%	69%	47%	44%	65%	38%	36%	57%	28%	28%	26%	92%	21%	93%	92%	11%	92%	92%	0%	93%
			Water Demand (MCM/year)	9.65	7.48	2.17	10.51	8.63	1.88	10.79	9.45	1.34	9.83	9.47	0.36	38.15	0.09	38.06	43.89	0.05	43.84	49.99	-	49.99
		Total	Pop. Served	1,200	929	271	1,494	1,260	234	1,865	1,684	181	2,259	2,159	101	2,844	27	2,817	3,184	31	3,153	3,533	35	3,497
			Coverage (%)	74%	69%	95%	78%	75%	95%	81%	80%	95%	85%	85%	95%	95%	90%	95%	93%	95%	95%	95%	95%	95%
			Water Demand (MCM/year)	27.55	21.27	6.29	45.98	39.73	6.25	73.66	67.70	5.96	110.49	105.25	5.24	44.74	1.54	43.20	51.31	2.08	49.23	58.36	2.72	55.63
	4 Marinduque		Population (x 1,000)	200	28	172	217	31	186	252	53	199	244	36	208	257	36	219	267	40	227	274	41	233
		L-III	Pop. Served	14	-	14	19	5	14	24	11	14	31	17	14	38	24	14	46	32	14	53	40	14
			Coverage (%)	7%	0%	8%	9%	16%	7%	11%	32%	7%	13%	48%	7%	15%	63%	6%	17%	79%	6%	19%	95%	6%
			Water demand (MCM/year)	0.67	-	0.67	1.00	0.26	0.74	1.42	0.61	0.80	1.93	1.06	0.87	2.56	1.62	0.94	3.29	2.29	1.00	4.30	3.03	1.07
		L-I, II	Pop. served	59	21	38	99	20	79	149	18	131	178	15	163	193	11	185	203	6	197	207	-	207
			Coverage (%)	29%	75%	22%	46%	64%	43%	64%	53%	69%	73%	43%	78%	77%	30%	85%	76%	16%	87%	76%	0%	89%
			Water Demand (MCM/year)	0.64	0.23	0.41	1.16	0.23	0

Table E-15 SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY BY WATER RESOURCES REGION AND PROVINCE (3/7)

WRR	Province	Type	Public Water Supply Coverage/ Demand		1995 Total	1995 Urban	1995 Rural	2000 Total	2000 Urban	2000 Rural	2005 Total	2005 Urban	2005 Rural	2010 Total	2010 Urban	2010 Rural	2015 Total	2015 Urban	2015 Rural	2020 Total	2020 Urban	2020 Rural	2025* Total	2025* Urban	2025* Rural
4	Metro Manila		Population	(x 1,000)	9,454	9,454	-	10,370	10,370	-	11,243	11,243	-	11,964	11,964	-	12,526	12,526	-	12,954	12,954	-	13,273	13,273	-
		L-III	Pop. Served		5,862	5,862	-	7,674	7,674	-	8,994	8,994	-	10,529	10,529	-	11,900	11,900	-	12,306	12,306	-	12,609	12,609	-
			Coverage	(%)	62%	62%	0%	74%	74%	-	80%	80%	-	88%	88%	-	95%	95%	-	95%	95%	-	95%	95%	-
			Water demand	(MCM/year)	731.11	731.11	-	1,036	1,036	-	1,202	1,202	-	1,391	1,391	-	1,551	1,551	-	1,572	1,572	-	1,604	1,604	-
		L-II, II	Pop. served		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Coverage	(%)	0%	0%	0%	0%	0%	-	0%	0%	-	0%	0%	-	0%	0%	-	0%	0%	-	0%	0%	-
			Water Demand	(MCM/year)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total	Pop. Served		5,862	5,862	-	7,674	7,674	-	8,994	8,994	-	10,529	10,529	-	11,900	11,900	-	12,306	12,306	-	12,609	12,609	-
			Coverage	(%)	62%	62%	0%	74%	74%	-	80%	80%	-	88%	88%	-	95%	95%	-	95%	95%	-	95%	95%	-
			Water Demand	(MCM/year)	731.11	731.11	-	1,036	1,036	-	1,202	1,202	-	1,391	1,391	-	1,551	1,551	-	1,572	1,572	-	1,604	1,604	-
4	Occidental Mindo		Population	(x 1,000)	337	178	160	370	224	146	416	286	130	463	393	70	514	488	26	555	549	6	614	614	-
		L-III	Pop. Served		19	12	7	55	48	7	110	103	7	189	182	7	298	291	7	440	433	7	584	584	-
			Coverage	(%)	6%	7%	5%	15%	21%	5%	27%	36%	6%	41%	51%	10%	58%	60%	10%	79%	80%	10%	95%	95%	-
			Water demand	(MCM/year)	1.20	0.74	0.46	3.61	3.14	0.47	7.51	7.02	0.49	13.31	12.80	0.51	21.04	21.12	0.52	32.88	32.34	0.54	44.96	44.96	-
		L-II, II	Pop. served		176	113	63	201	120	80	213	126	88	198	123	75	161	109	52	85	69	16	-	-	-
			Coverage	(%)	52%	63%	39%	54%	54%	55%	51%	44%	67%	43%	34%	72%	31%	24%	75%	15%	13%	03%	0%	0%	-
			Water Demand	(MCM/year)	1.92	1.23	0.69	2.34	1.41	0.94	2.65	1.56	1.09	2.60	1.61	0.99	2.23	1.51	0.72	1.21	0.98	0.23	-	-	-
		Total	Pop. Served		195	124	70	255	168	87	324	229	95	387	305	82	459	400	59	525	501	24	584	584	-
			Coverage	(%)	58%	70%	44%	69%	75%	60%	78%	80%	73%	84%	85%	79%	89%	90%	85%	93%	93%	01%	95%	95%	-
			Water Demand	(MCM/year)	3.12	1.98	1.15	5.96	4.54	1.41	10.16	8.58	1.58	15.91	14.41	1.49	23.87	22.62	1.25	34.09	33.32	0.77	44.96	44.96	-
4	Oriental Mindoro		Population	(x 1,000)	809	91	517	722	108	613	811	122	688	898	136	761	992	151	841	1,081	164	917	1,165	176	987
		L-III	Pop. Served		18	12	6	35	29	6	56	50	6	80	74	6	106	102	6	140	134	6	175	169	6
			Coverage	(%)	3%	13%	1%	5%	27%	1%	7%	41%	1%	9%	54%	1%	11%	68%	1%	13%	81%	1%	15%	95%	1%
			Water demand	(MCM/year)	1.69	1.13	0.56	3.34	2.77	0.57	5.39	4.81	0.58	7.91	7.32	0.59	10.93	10.32	0.61	14.40	13.78	0.62	18.46	17.81	0.65
		L-II, II	Pop. served		383	63	320	505	63	442	598	60	538	694	53	641	800	41	759	869	22	847	932	-	932
			Coverage	(%)	63%	69%	62%	70%	58%	72%	74%	49%	78%	77%	39%	84%	81%	27%	90%	80%	14%	92%	80%	0%	94%
			Water Demand	(MCM/year)	4.19	0.69	3.50	5.89	0.73	5.16	7.42	0.75	6.67	9.12	0.70	8.42	11.10	0.57	10.53	12.37	0.32	12.05	13.60	-	13.60
		Total	Pop. Served		401	75	326	540	92	448	654	110	544	774	127	647	909	143	765	1,009	156	853	1,107	169	938
			Coverage	(%)	66%	82%	63%	75%	85%	73%	81%	90%	79%	86%	93%	82%	92%	95%	91%	93%	98%	93%	95%	95%	95%
			Water Demand	(MCM/year)	5.88	1.82	4.06	9.23	3.50	5.73	12.82	5.56	7.26	17.03	8.01	9.02	22.03	10.89	11.14	26.77	14.10	12.67	32.04	17.81	14.23
4	Palawan		Population	(x 1,000)	640	230	411	744	290	454	873	369	505	1,016	462	554	1,180	579	607	1,499	712	657	1,566	866	702
		L-III	Pop. Served		39	33	6	86	81	6	158	152	6	259	253	6	400	394	6	586	580	6	828	822	6
			Coverage	(%)	6%	14%	1%	12%	28%	1%	18%	41%	1%	25%	55%	1%	34%	68%	1%	43%	82%	1%	53%	95%	1%
			Water demand	(MCM/year)	4.16	3.56	0.59	9.50	8.89	0.61	17.75	17.13	0.62	29.76	29.14	0.64	47.10	46.45	0.65	70.55	69.86	0.67	101.82	101.14	0.68
		L-II, II	Pop. served		420	151	270	492	166	326	573	180	393	642	127	465	702	155	547	701	96	605	662	-	662
			Coverage	(%)	66%	66%	66%	66%	57%	72%	66%	49%	78%	63%	28%	84%	59%	27%	90%	51%	13%	92%	42%	0%	94%
			Water Demand	(MCM/year)	4.60	1.65	2.95	5.74	1.94	3.81	7.31	2.23	4.88	8.44	2.33	6.11	9.74	2.16	7.59	9.98	1.36	8.62	9.66	-	9.66
		Total	Pop. Served		459	184	275	578	247	332	731	332	399	901	430	471	1,102	550	553	1,287	676	611	1,490	822	667
			Coverage	(%)	72%	80%	67%	78%	85%	73%	84%	90%	79%	89%	93%	85%	93%	95%	91%	94%	96%	93%	96%	95%	95%
			Water Demand	(MCM/year)	8.76	5.21	3.55	15.25	10.83	4.42	24.86	19.36	5.50	38.22	31.46	6.75	56.84	48.60	8.24	80.53	71.25	9.28	111.49	101.14	10.34
4	Quezon		Population	(x 1,000)	1,538	498	1,040	1,773	585	1,188	1,969	662	1,307	2,156	733	1,423	2,361	812	1,549	2,558	868	1,670	2,752	963	1,789
		L-III	Pop. Served		172	123	49	262	213	49	367	318	49	487	439	49	630	581	49	788	739	49	964	915	49
			Coverage	(%)	11%	25%	5%	15%	36%	4%	19%	48%	4%	23%	60%	3%	27%	72%	3%	31%	83%	3%	35%	95%	3%
			Water demand	(MCM/year)	34.15	24.45	9.70	46.74	39.66	9.08	63.72	55.26	8.46	76.45	70.00	7.85	93.42	86.19	7.23	106.89	100.28	6.61	118.56	112.56	6.00
		L-II, II	Pop. served		983	221	762	1,116	226	890	1,273	211	1,063	1,431	184	1,246	1,541	150	1,392	1,624	86	1,538	1,651	-	1,651
			Coverage	(%)	64%	44%	73%	63%	39%	75%	65%	32%	81%	66%	25%	88%	65%	18%	90%	64%	10%	92%	60%	0%	92%
			Water Demand	(MCM/year)	10.76	2.42	8.34	13.03	2.64	10.39	15.80	2.62	13.19	18.80	2.42	16.37	21.38	2.08	19.30	23.12	1.23	21.89	24.10	-	24.10
		Total	Pop. Served		1,155	344	811	1,377	439	938	1,641	529	1,111	1,918	623	1,295	2,171	731	1,440	2,412	825	1,587	2,615	915	1,699
			Coverage	(%)	75%	69%	78%	78%	75%	79%	83%	80%	85%	89%	85%	91%	92%	90%	93%	94%	95%	95%	95%	95%	95%
			Water Demand	(MCM/year)	44.91	26.87	18.04	61.77	42.30	19.47	79.53	57.88	21.65	97.24	73.02	24.22	114.80	88.27	26.53	130.01	101.51	28.51	142.66	112.56	30.10
4	Rizal		Population	(x 1,000)	1,513	1,257	55	1,694	1,494	-	1,802	1,802	-	2,142	2,142	-	2,543	2,543	-	2,985	2,985	-	3,471	3,471	-
		L-III	Pop. Served		900	868	32	1,195	1,195	-	1,495	1,495	-	1,842	1,842	-	2,203	2,203	-	2,746	2,746	-	3,298	3,298	-
			Coverage	(%)	75%	77%	41%	80%	80%	-	83%	83%	-	86%	86%	-	89%	89%	-	92%	92%	-	95%	95%	-
			Water demand	(MCM/year)	162.79	159.91	2.88	178.46	178.46	-	197.01	197.01	-	243.38	243.38	-	294.90	294.90	-	350.78	350.78	-	442.93	442.93	-
		L-II, II	Pop. served		21	0	21	0	0	0	36	36	-	86	86	-	102	102	-	90	90	-	-	-	-
			Coverage	(%)	2%	0%	38%	0%	0%	-	2%	2%	-	4%	4%	-	4%	4%	-	3%	3%	-	0%	0%	-
			Water Demand	(MCM/year)	0.23	0.00	0.23	0.00	0.00	-	0.45	0.45	-	1.13	1.13	-	1.41	1.41	-	1.28	1.28	-	-	-	-
		Total	Pop. Served		1,012	908	44	1,195	1,195	-	1,531	1,531	-	1,928	1,928	-	2,305	2,305	-	2,835	2,835	-	3,298	3,298	-
			Coverage	(%)	77%	77%	79%	80%	80%	-	85%	85%	-	90%	90%	-	93%	93%	-	95%	95%	-	95%	95%	-
			Water Demand	(MCM/year)	163.02	159.92	3.11	178.47	178.47	-	197.46	197.46	-	244.51	244.51	-	296.31	296.31	-	352.05	352.05	-	442.93	442.93	-
4	Romblon		Population	(x 1,000)	245	49	195	281	62	219	308	74	234	353	87	247	362	101	261	389	117	272	414	133	281
		L-III	Pop. Served		14	-	14	24	10	14	38	23	14	56	41	14	79	64	14	107	93	14	140	126	14
			Coverage	(%)	6%	0%	7%	9%	16%	7%	12%	32%	6%	17%	48%	6%	22%	63%	5%	28%	79%	5%	34%	95%	5%
			Water demand	(MCM/year)	1.41	-	1.41	2.48	1.01	1.47	4.03	2.50	1.53	6.15	4.56	1.59	9.02	7.38	1.65	12.73	11.02	1.71	17.28	15.52	1.76
		L-II, II	Pop. served		113	34	79	154	37	117	192	36	156	213	33	181	234	27	207	249	16	233	252	-	252
			Coverage	(%)	46%	69%	41%	55%	59%	53%	62%	48%	67%	60%	38%	73%	65%	27%	80%	64%	14%	86%	61%	0%	90%
			Water Demand	(MCM/year)	1.24	0.37	0.87	1.80	0.43	1.37	2.38	0.44	1.94	2.80	0.43	2.37	3.25	0.38	2.88	3.55	0.23	3.32	3.69	-	3.69
		Total	Pop. Served		127	34	94	178	47	131	230	59	171	269	74	195	313	91	222	356	109	247	393	126	267
			Coverage	(%)	52%	68%	48%	63%	75%	60%	75%	80%	73%	81%	85%	79%	86%	90%	85%	92%	95%	91%	95%	95%	95%
			Water Demand	(MCM/year)	3	0	2	4.28	1.44	2.84	6.41	2.94	3.47	8.95	4.99	3.96	12.27	7.75	4.52	16.27	11.25	5.02	20.97	15.52	5.45
WRR-IV	Total		Population	(x 1,000)	19,395	15,210	4,185	21,033	17,235	3,798	24,002	19,422	4,580	26,356	21,605	4,734	29,077	23,842	5,235	30,912	25,536	5,376	33,000	24,112	8,977
		L-III	Pop. Served		8,445	8,158	287	11,266	11,001	265	13,959	13,694	265	17,233	16,968	265	18,704	18,439	265	20,892	20,627	265	23,164	22,906	258
			Coverage	(%)	44%	54%	7%	52%	64%	6%	58%	71%	6%	65%	79%	6%	87%	88%	3%	68%	92%	3%	70%	95%	3%
			Water demand	(MCM/year)	1.082	1.053	29	1.433	1.406	27	1.735	1.709	26	2.101	2.075	26	2.330	2.304	26	2.538	2.511	26	2.905	2.579	26
		L-II, II	Pop. served		4,421	1,525	2,596	5,024	1,988	3,036	5,525	2,044	3,482	5,851	1,979	3,873	6,118	1,105	7,013	8,331	703	7,629	8,271	-	8,271
			Coverage	(%)	23%	12%	62%	23%	12%	69%	23%	11%	76%	22%	9%	82%	26%	5%	90%	27%	3%	91%	25%	0%	92%
			Water Demand	(MCM/year)	48	20	28	59	23	35	69	25	43	77	26	51	113	15	97	119	10	109	121	-	121
		Total	Pop. Served		12,866	9,683	2,883	16,290	12,989	3,301	19,485	15,738	3,747	23,084	18,947	4,137	26,822	19,544	7,278	29,223	21,329	7,894	31,435	22,906	8,529
			Coverage	(%)	66%	66%	69%	75%	75%	75%	81%	81%	82%	88%	88%	87%	93%	94%	93%	95%	96%	93%	95%	95%	95%
			Water Demand	(MCM/year)	1,131	1,073	58	1,492	1,430	62	1,804	1,734	70	2,178	2,101	77	2,443	2,319	124	2,656	2,521	135	3,026	2,870	146
WRR-V	Albay		Population	(x 1,000)	1,005	262	743	1,092	298	794	1,191	337	854	1,283	373	910	1,363	402	961	1,430	425	1,005	1,455	414	1,041
		L-III	Pop. Served		126	113	23	176	153	23	225	201	23	277	254	23	330	307	23	383	360	23	436	413	23
			Coverage	(%)	14%	43%	3%	16%	51%	3%	19%	60%	3%	22%	68%	3%	24%	76%	2%	27%	85%	2%	29%	93%	2%
			Water demand	(MCM/year)	11.69	9.70	1.99	15.71	13.64	2.07	20.71	18.57	2.14	26.46	24.25	2.21	32.59	30.30	2.29	39.02	36.65	2.36	45.86	43.42	2.44
		L-II, II	Pop. served		581	47	534	654	49	604	704	51	703	849	45	805	905	35	870	955	23	932	966	-	966
			Coverage	(%)	58%	18%	72%	60%	17%	76%	63%	15%	82%	66%	12%	88%	66%	9%	91%	67%	5%	93%	69%	0%	93%
			Water Demand	(MCM/year)	6.36	0.51	5.85	7.63	0.58	7.06	9.36	0.64	8.72	11.16	0.59	10.57	12.56	0.48	12.07	13.59	0.32	13.27	14.10	-	14.10
		Total	Pop. Served		717	160	557	830	203	627	929	253	726	1,126	299	828	1,235	342	893	1,337	382	955	1,402	413	989
			Coverage	(%)	71%	61%	75%	76%	68%	79%	82%	75%	85%	88%	80%	91%	91%	85%	93%	94%	90%	95%	94%	93%	95%
			Water Demand	(MCM/year)	18.05	10.21	7.84	23.34	14.22	9.12	30.07	19.21	10.86	37.62	24.83	12.79	45.14	30.78	14.36	52.60	36.97	15.63	59.07	43.42	16.54
5	Camarines Norte		Population	(x 1,000)	439	118	321	509	137	372	577	155	422	644	174	470	709	192	518	773	209	564	832	225	607
		L-III	Pop. Served		68	32	36	68	52	36	112	76	36	140	105	36	172	136	36	207	171	36	209	209	-
			Coverage	(%)	16%	27%	11%	13%	38%	10%	19%	49%	8%	22%	60%	8%	24%	71%	7%	27%	82%	6%	25%	93%	6%
			Water demand	(MCM/year)	5.07	2.41	2.66	6.76	4.02	2.74	8.84	6.02	2.82	11.38	8.48	2.90	14.31	11.34	2.97	17.68	14.62	3.05	18.31	18.31	-
		L-II, II	Pop. served		262	41	221	321	41	280	388	40	348	536	34	401	483	27	456	517	17	500	577	-	577
			Coverage	(%)	60%	35%	69%	63%	30%	75%	67%	26%	83%	68%	20%	85%	68%	14%	88%	67%	8%	89%	69%	0%	95%
			Water Demand	(MCM/year)	2.87	0.45	2.42	3.75	0.48	3.28	4.81	0.50	4.32	5.73	0.45	5.28	6.70	0.37	6.33	7.36	0.24	7.12	8.43	-	8.43
		Total	Pop. Served		330	73	257	410	93	316	500	116	384	676	139	437	655	163	492	724	188	536	786	209	577
			Coverage	(%)	75%	62%	80%	80%	68%	85%	87%	75%	91%	95%	80%	93%	92%	85%	95%	94%	90%	95%	94%	93%	95%
			Water Demand	(MCM/year)	7.94	2.86	5.08	10.52	4.50	6.02	13.65	6.52	7.13	17.10	8.93	8.17	21.01	11.71	9.30	25.03	14.86	10.17	26.73	18.31	8.43
5	Camarines Sur		Population	(x 1,000)	1,433	501	931	1,636	914	1,023	1,799	719	1,079	1,956	833	1,123	2,106	969	1,161	2,239	1,057	1,182	2,355	1,161	1,194
		L-III	Pop. Served		162	104	58	261	203	58	385	327	58	540	481	58	722	664	58	931	873	58	1,102	1,102	58
			Coverage	(%)	11%	21%	6%	16%	33%	6%	21%	45%	5%	28%	58%	5%	34%	70%	5%	42%	83%	5%	47%	95%	5%
			Water demand	(MCM/year)	10.52	6.73	3.79	17.49	13.58	3.91	26.58	22.55	4.03	36.32	32.18	4.15	52.74	48.47	4.26	69.85	65.47	4.38	89.46	84.96	4.50
		L-II, II	Pop. served		936	252	687	1,068	258	811	1,172	249	924	1,215	226	989	1,231	187	1,044	1,174	110	1,065	1,076	-	1,076
			Coverage	(%)	66%	50%	74%	65%	42%	79%	65%	35%	86%	62%	27%	88%	58%	20%	90%	52%	10%	90%	46%	0%	90%
			Water Demand	(MCM/year)	10.28	2.76	7.52	12.48	3.01	9.47	14.55	3.09	11.46	15.07	2.97	13.00	17.08	2.60	14.48	16.72	1.56	15.15	15.71	-	15.71
		Total	Pop. Served		1,101	356	745	1,330	460	869	1,558	576	982	1,755	708	1,048	1,954	851	1,103	2,106	983	1,123	2,238	1,103	1,135
			Coverage	(%)	77%	71%	80%	81%	75%	85%	87%	80%	91%	90%	84%	93%	93%	90%	95%	94%	93%	95%	94%	95%	95%
			Water Demand	(MCM/year)	20.80	9.49	11.31	29.97	16.59	13.38	41.13	25.63	15.49	54.29	37.15	17.14	69.81	51.07	18.74	86.57	67.04	19.53	105.17	84.96	20.21
5	Catanduanes		Population	(x 1,000)	202	55	147	228	64	164	253	78	175	278	95	183	300	113	187	323	135	188	345	151	194
		L-III	Pop. Served		38	-	38	48	10	38	63	25	38	83	45	38	109	72	38	144	107	38	181	144	38
			Coverage	(%)	19%	0%	26%	21%	16%	23%	25%	32%	22%	30%	48%	21%	36%	64%	20%	45%	79%	20%	53%	95%	19%
			Water demand	(MCM/year)	2.09	-	2.09	2.83	0.60	2.23	3.92	1.56	2.36	5.49	2.99	2.50	7.64	5.01	2.63	10.60	7.83	2.77	13.96	11.06	2.90
		L-II, II	Pop. served		140	38	102	156	38	118	166	38	128	171	36	136	170	30	140	160	19	141	146	-	146
			Coverage	(%)	69%	69%	69%	68%	59%	72%	66%	49%	73%	62%	38%	74%	57%	27%	75%	49%	14%	75%	42%	0%	76%
			Water Demand	(MCM/year)	1.54	0.42	1.12	1.82	0.44	1.38	2.06	0.47	1.59	2.25	0.47	1.79	2.30	0.42	1.94	2.28	0.27	2.01	2.14	-	2.14
		Total	Pop. Served		178	38	140	204	48	156	229	63	166	254	81	174	280	102	178	304	125	179	328	146	184
			Coverage	(%)	88%	69%	95%	88%	75%	95%	90%	80%	95%	92%	85%	95%	94%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	3.63	0.42	3.21	4.65	1.04	3.61	5.98	2.03	3.95	7.74	3.46	4.28	10.01	5.43	4.58	12.88	8.10	4.78	16.10	11.06	5.04
5	Masbate		Population	(x 1,000)	654	131	522	676	588	88	701	153	548	723	163	559	749	172	567	748	178	570	753	183	570
		L-III	Pop. Served		10	6	4	119	116	4	57	53	4	85	81	4	115	112	4	146	142	4	177	174	4
			Coverage	(%)	1%	5%	1%	18%	20%	4%	8%	35%	1%	12%	50%	1%	15%	65%	1%	20%	80%	1%	24%	95%	1%
			Water demand	(MCM/year)	0.33	0.21	0.12	4.90	4.76	0.15	2.74	2.57	0.17	4.71	4.51	0.20	7.23	7.00	0.22	10.19	9.94	0.25	13.66	13.38	0.28
		L-II, II	Pop. served		406	85	383	391	325	66	532	69	462	563	57	505	567	43	524	561	23	538	538	-	538
			Coverage	(%)	72%	64%	73%	58%	55%	75%	76%	45%	84%	78%	35%	90%	77%	25%	92%	75%	13%	94%	71%	0%	94%
			Water Demand	(MCM/year)	5.12	0.93	4.19	4.57	3.80	0.77	6.60	0.86	5.74	7.40	0.76	6.64	7.86	0.60	7.26	7.99	0.33	7.66	7.85	-	7.85
		Total	Pop. Served		477	91	387	510	441	70	588	122	466	648	139	509	682	155	527	705	166	541	715	174	541
			Coverage	(%)	73%	69%	74%	76%	75%	79%	84%	80%	85%	90%	85%	91%	92%	90%	93%	95%	95%	95%	96%	95%	95%
			Water Demand	(MCM/year)	5.45	1.14	4.32	9.47	4.85	0.62	9.34	3.42	5.91	12.11	5.27	6.84	15.09	7.60	7.49	18.17	10.27	7.91	21.51	13.38	8.13
5	Sorsogon		Population	(x 1,000)	592	152	440	599	157	441	623	168	455	646	179	468	671	190	481	695	197	498	691	202	490
		L-III	Pop. Served		76	39	37	95	58	37	119	82	37	145	108	37	173	136	37	201	165	37	229	192	37
			Coverage	(%)	13%	26%	8%	16%	37%	8%	19%	49%	8%	22%	60%	8%	26%	72%	8%	29%	85%	7%	33%	95%	7%
			Water demand	(MCM/year)	5.64	2.91	2.73	7.28	4.47	2.81	9.36	6.48	2.86	11.74	8.78	2.97	14.40	11.35	3.05	17.19	14.07	3.13	19.99	16.78	3.21
		L-II, II	Pop. served		386	99	320	398	59	339	430	53	378	443	44	399	455	34	420	446	19	427	430	-	430
			Coverage	(%)	65%	63%	73%	67%	38%	77%	69%	31%	83%	69%	25%	85%	68%	18%	87%	65%	10%	87%	62%	0%	88%
			Water Demand	(MCM/year)	4.22	0.72	3.50	4.64	0.69	3.95	5.34	0.65	4.69	5.83	0.58	5.23	6.30	0.48	5.83	6.35	0.27	6.08	6.28	-	6.28
		Total	Pop. Served		462	138	356	493	116	378	549	135	414	588	153	436	628	171	447	647	184	466	645	192	460
			Coverage	(%)	78%	69%	81%	82%	75%	85%	88%	80%	91%	91%	85%	93%	94%	90%	95%	94%	93%	95%	94%	95%	95%
			Water Demand	(MCM/year)	9.86

Table E-15 SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY BY WATER RESOURCES REGION AND PROVINCE (4/7)

WRR	Province	Type	Public Water Supply Coverage, Demand		1995 Total	1995 Urban	1995 Rural	2000 Total	2000 Urban	2000 Rural	2005 Total	2005 Urban	2005 Rural	2010 Total	2010 Urban	2010 Rural	2015 Total	2015 Urban	2015 Rural	2020 Total	2020 Urban	2020 Rural	2025 Total	2025 Urban	2025 Rural
WRR-V	Total		Population	(x 1,000)	4,325	1,221	3,105	4,740	1,857	2,883	5,144	1,611	3,533	5,534	1,818	3,717	5,889	2,015	3,874	6,198	2,200	3,998	6,404	2,369	4,035
		L-III	Pop. Served		489	294	195	788	593	195	960	765	195	1,270	1,075	195	1,622	1,427	195	2,013	1,817	195	2,394	2,234	159
			Coverage	(%)	11%	24%	6%	17%	32%	7%	19%	47%	6%	23%	59%	5%	28%	71%	5%	32%	83%	5%	37%	94%	4%
			Water demand	(cum/day)	35	32	13	55	41	14	72	58	14	98	83	15	129	113	15	165	149	16	201	188	13
		L-I, II	Pop. served		2,775	529	2,246	2,988	770	2,219	3,442	500	2,942	3,678	443	3,236	3,811	356	3,455	3,812	210	3,603	3,734	-	3,734
			Coverage	(%)	64%	43%	72%	63%	41%	77%	67%	31%	83%	66%	24%	87%	65%	18%	89%	62%	10%	90%	58%	0%	91%
			Water Demand	(cum/day)	90	6	85	35	9	26	43	6	37	48	5	43	53	5	48	54	3	51	55	-	55
		Total	Pop. Served		3,265	823	2,442	3,776	1,362	2,414	4,402	1,264	3,138	4,948	1,518	3,431	5,433	1,783	3,650	5,825	2,027	3,798	6,127	2,234	3,893
			Coverage	(%)	75%	67%	79%	80%	73%	84%	86%	78%	89%	89%	83%	92%	92%	89%	94%	94%	92%	95%	95%	96%	95%
			Water Demand	(cum/day)	66	29	38	90	50	40	115	64	51	146	89	57	182	118	63	219	152	67	256	188	68
WRK-VI	Aklan		Population	(x 1,000)	411	114	296	440	142	298	478	178	300	517	220	297	555	267	287	585	316	269	615	367	248
		L-III	Pop. Served		73	-	73	95	22	73	129	56	73	177	105	73	242	169	73	323	250	73	422	349	73
			Coverage	(%)	18%	0%	25%	22%	16%	24%	27%	32%	24%	34%	48%	25%	44%	63%	25%	55%	79%	27%	69%	95%	30%
			Water demand	(MCM/year)	3.93	-	3.93	5.51	1.30	4.21	7.92	3.48	4.49	11.62	6.65	4.77	16.76	11.71	5.05	23.62	18.30	5.33	32.49	26.89	5.61
		L-I, II	Pop. served		286	78	209	294	84	210	298	86	212	291	83	209	271	71	199	226	66	183	161	-	161
			Coverage	(%)	70%	68%	70%	67%	59%	71%	62%	48%	71%	56%	38%	70%	49%	27%	70%	39%	21%	68%	26%	0%	65%
			Water Demand	(MCM/year)	3.14	0.85	2.29	3.43	0.98	2.46	3.70	1.07	2.63	3.83	1.08	2.75	3.75	0.99	2.77	3.22	0.62	2.60	2.35	-	2.35
		Total	Pop. Served		359	78	282	389	106	283	427	143	285	469	187	282	512	240	272	549	316	256	583	349	234
			Coverage	(%)	87%	68%	95%	89%	75%	95%	89%	80%	95%	91%	85%	95%	93%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	7.07	0.85	6.22	8.94	2.27	6.67	11.67	4.55	7.12	15.45	7.73	7.51	20.51	12.70	7.81	26.83	18.92	7.93	34.84	26.89	7.95
	6	Antique	Population	(x 1,000)	432	123	308	478.38	161	317	523	168	355	569	192	377	614	216	398	655	241	415	696	264	432
		L-III	Pop. Served		20	-	20	45	26	20	73	53	20	111	91	20	157	137	20	210	190	20	271	251	20
			Coverage	(%)	5%	0%	6%	9%	16%	6%	14%	32%	6%	19%	48%	5%	26%	63%	5%	32%	79%	5%	39%	95%	5%
			Water demand	(MCM/year)	1.25	-	1.25	2.96	1.67	1.29	4.94	3.60	1.34	7.77	6.39	1.38	11.34	9.91	1.43	15.70	14.23	1.47	20.87	19.35	1.52
		L-I, II	Pop. served		309	85	224	345	95	250	384	81	303	403	72	331	416	58	358	408	33	374	390	-	390
			Coverage	(%)	72%	69%	73%	72%	59%	79%	74%	48%	85%	71%	38%	88%	68%	27%	90%	62%	14%	90%	56%	0%	90%
			Water Demand	(MCM/year)	3.38	0.93	2.45	4.03	1.11	2.92	4.77	1.01	3.76	5.30	0.95	4.35	5.77	0.80	4.97	5.80	0.47	5.33	5.70	-	5.70
		Total	Pop. Served		329	85	244	391	121	270	457	134	323	514	163	351	572	194	378	618	224	394	661	251	410
			Coverage	(%)	76%	69%	79%	82%	75%	85%	87%	80%	91%	90%	85%	93%	93%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	4.63	0.93	3.70	7.00	2.78	4.21	9.71	4.61	5.10	13.07	7.33	5.74	17.10	10.71	6.40	21.50	14.70	6.80	26.57	19.35	7.22
	6	Capiz	Population	(x 1,000)	624	206	418	679	263	415	740	324	416	799	417	382	854	509	345	900	608	293	941	676	265
		L-III	Pop. Served		54	34	20	98	78	20	163	143	20	253	232	20	370	350	20	518	498	20	699	676	20
			Coverage	(%)	9%	16%	5%	14%	30%	5%	22%	43%	5%	32%	56%	5%	43%	69%	6%	58%	82%	7%	74%	95%	8%
			Water demand	(MCM/year)	3.79	2.37	1.42	7.15	5.67	1.47	12.35	10.82	1.53	19.92	18.33	1.59	30.27	28.62	1.65	43.85	42.14	1.71	60.95	59.18	1.77
		L-I, II	Pop. served		415	108	306	426	120	306	450	125	324	450	122	327	408	108	301	325	67	258	198	-	198
			Coverage	(%)	66%	53%	73%	63%	45%	74%	61%	37%	80%	56%	29%	86%	48%	21%	87%	36%	11%	88%	21%	0%	86%
			Water Demand	(MCM/year)	4.54	1.19	3.35	5.00	1.40	3.60	5.58	1.55	4.03	5.91	1.61	4.30	5.66	1.50	4.17	4.03	0.96	3.67	2.89	-	2.89
		Total	Pop. Served		469	142	326	526	198	328	612	268	345	702	355	346	779	458	321	843	565	278	894	676	218
			Coverage	(%)	75%	69%	78%	77%	75%	79%	83%	80%	85%	88%	85%	91%	91%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	8.33	3.56	4.77	12.14	7.07	5.07	17.93	12.37	5.56	25.83	16.93	5.90	35.94	30.12	5.82	48.48	43.10	5.38	63.83	59.18	4.66
	6	Guimaras	Population	(x 1,000)	126	46	79	148	61	87	161	72	89	174	83	91	186	94	92	196	104	91	205	114	91
		L-III	Pop. Served		9	-	9	19	10	9	32	23	9	49	40	9	69	60	9	92	83	9	117	108	9
			Coverage	(%)	7%	0%	12%	13%	16%	11%	20%	32%	10%	28%	48%	10%	37%	63%	10%	47%	79%	10%	57%	95%	10%
			Water demand	(MCM/year)	0.66	-	0.66	1.41	0.72	0.69	2.47	1.76	0.71	3.89	3.15	0.73	5.68	4.92	0.76	7.81	7.03	0.78	10.27	9.46	0.81
		L-I, II	Pop. served		91	33	58	106	36	70	109	35	74	108	31	77	103	25	78	92	14	78	77	-	77
			Coverage	(%)	72%	60%	73%	72%	59%	80%	67%	48%	83%	62%	38%	85%	55%	27%	85%	47%	14%	85%	38%	0%	85%
			Water Demand	(MCM/year)	0.99	0.36	0.63	1.24	0.42	0.82	1.35	0.43	0.92	1.42	0.41	1.01	1.43	0.35	1.08	1.31	0.21	1.11	1.13	-	1.13
		Total	Pop. Served		100	33	67	125	46	79	141	58	83	157	71	86	172	85	87	184	97	87	195	108	87
			Coverage	(%)	79%	69%	85%	84%	75%	91%	87%	80%	93%	90%	85%	95%	92%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	1.65	0.36	1.30	2.65	1.14	1.51	3.82	2.19	1.63	5.31	3.56	1.75	7.11	5.27	1.86	9.12	7.23	1.89	11.40	9.46	1.94
	6	Iloilo	Population	(x 1,000)	1,350	658	1,092	2,060	849	1,211	2,237	998	1,239	2,406	1,150	1,256	2,561	1,298	1,263	2,696	1,437	1,259	2,813	1,564	1,249
		L-III	Pop. Served		178	83	95	318	223	95	495	399	95	714	618	95	972	877	95	1,263	1,168	95	1,581	1,486	95
			Coverage	(%)	10%	13%	9%	15%	26%	8%	22%	40%	8%	30%	54%	8%	38%	68%	8%	47%	81%	8%	56%	95%	8%
			Water demand	(MCM/year)	12.08	5.61	6.46	22.67	15.89	6.78	36.84	29.74	7.09	55.49	48.08	7.40	78.75	71.04	7.72	106.49	98.46	8.03	138.49	130.15	8.34
		L-I, II	Pop. served		1,171	571	600	1,348	413	934	1,431	300	1,032	1,432	359	1,073	1,396	292	1,104	1,270	169	1,101	1,090	-	1,090
			Coverage	(%)	67%	56%	73%	65%	46%	77%	64%	40%	83%	60%	31%	85%	55%	22%	87%	47%	12%	87%	39%	0%	87%
			Water Demand	(MCM/year)	12.83	4.07	8.76	15.74	4.83	10.91	17.76	4.95	12.81	18.81	4.72	14.10	19.36	4.05	15.31	18.07	2.40	15.67	16.00	-	16.00
		Total	Pop. Served		1,349	654	695	1,666	637	1,030	1,926	698	1,128	2,145	977	1,168	2,368	1,169	1,199	2,533	1,336	1,196	2,677	1,486	1,191
			Coverage	(%)	77%	69%	82%	81%	75%	85%	86%	80%	91%	89%	85%	93%	92%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	24.00	9.68	15.22	38.41	20.72	17.69	54.60	34.69	19.90	74.30	52.80	21.50	98.12	75.09	23.03	124.56	100.86	23.70	154.49	130.15	24.34
	6	Negros Occident	Population	(x 1,000)	2,434	1,210	1,224	2,647	1,403	1,244	2,879	1,604	1,276	3,090	1,786	1,309	3,285	1,932	1,354	3,445	2,036	1,409	3,583	2,125	1,458
		L-III	Pop. Served		362	320	43	574	531	43	833	790	43	1,127	1,084	43	1,436	1,394	43	1,744	1,702	43	2,061	2,019	43
			Coverage	(%)	15%	26%	3%	22%	38%	3%	29%	49%	3%	36%	61%	3%	44%	72%	3%	51%	84%	3%	58%	95%	3%
			Water demand	(MCM/year)	26.56	23.45	3.13	43.45	40.22	3.23	65.07	61.73	3.33	90.71	87.27	3.43	119.00	115.46	3.54	148.06	145.02	3.64	180.58	176.84	3.74
		L-I, II	Pop. served		1,403	515	888	1,461	521	940	1,534	493	1,042	1,583	434	1,149	1,561	345	1,216	1,488	192	1,296	1,343	-	1,343
			Coverage	(%)	58%	42%	73%	55%	37%	76%	53%	31%	82%	51%	26%	88%	48%	18%	90%	43%	9%	92%	38%	0%	92%
			Water Demand	(MCM/year)	15.36	5.64	9.72	17.07	6.09	10.98	19.04	6.11	12.93	20.80	5.70	15.10	21.65	4.78	16.87	21.18	2.73	18.45	19.61	-	19.61
		Total	Pop. Served		1,765	835	931	2,035	1,052	983	2,367	1,283	1,084	2,710	1,518	1,192	2,949	1,739	1,259	3,232	1,894	1,339	3,404	2,019	1,386
			Coverage	(%)	73%	69%	76%	77%	75%	79%	82%	80%	85%	88%	85%	91%	91%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	41.95	29.09	12.85	60.52	46.31	14.21	84.11	67.85	16.26	111.51	92.98	18.53	140.65	120.25	20.40	169.84	147.75	22.08	200.39	176.84	23.54
WRR-VII	Total		Population	(x 1,000)	5,777	2,359	3,418	6,452	2,879	3,573	7,018	3,354	3,664	7,561	3,849	3,712	8,053	4,316	3,737	8,478	4,741	3,736	8,836	5,146	3,711
		L-III	Pop. Served		696	436	260	1,149	890	260	1,725	1,465	260	2,430	2,171	260	3,246	2,986	260	4,150	3,890	260	5,148	4,888	260
			Coverage	(%)	12%	18%	8%	18%	31%	7%	25%	44%	7%	32%	56%	7%	40%	69%	7%	49%	82%	7%	58%	95%	7%
			Water demand	(MCM/year)	4	31	17	83	65	18	130	111	18	189	170	19	262	242	20	346	325	21	444	422	22
		L-I, II	Pop. served		3,675	1,190	2,485	3,983	1,270	2,713	4,206	1,218	2,988	4,267	1,101	3,166	4,155	899	3,256	3,909	520	3,389	3,265	-	3,265
			Coverage	(%)	64%	50%	73%	62%	44%	76%	60%	36%	82%	56%	29%	85%	52%	21%	87%	45%	11%	89%	37%	0%	88%
			Water Demand	(MCM/year)	40	13	27	47	15	32	52	15	37	56	14	42	58	12	45	54	7	47	48	-	48
		Total	Pop. Served		4,371	1,626	2,744	5,132	2,159	2,973	5,931	2,683	3,248	6,698	3,271	3,426	7,400	3,884	3,516	7,959	4,410	3,649	8,413	4,888	3,525
			Coverage	(%)	76%	69%	80%	80%	75%	83%	85%	80%	89%	89%	85%	92%	92%	90%	94%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	89	44	44	130	80	49	182	126	56	245	185	61	319	252	65	400	333	68	491	422	69
WRR-VII	Bohol		Population	(x 1,000)	994	252	743	1,135	328	807	1,251	410	841	1,361	505	856	1,404	612	852	1,558	729	824	1,648	852	796
		L-III	Pop. Served		14	-	14	66	52	14	144	130	14	254	240	14	402	387	14	592	577	14	823	809	14
			Coverage	(%)	1%	0%	2%	6%	16%	2%	12%	32%	2%	19%	48%	2%	27%	63%	2%	38%	79%	2%	50%	95%	2%
			Water demand	(MCM/year)	0.93	-	0.93	4.45	3.49	0.95	9.98	8.99	0.98	18.08	17.07	1.01	29.37	28.33	1.04	44.41	43.35	1.06	63.41	62.32	1.09
		L-I, II	Pop. served		717	174	543	818	194	623	899	198	700	954	189	765	941	163	778	874	101	773	742	-	742
			Coverage	(%)	72%	69%	73%	72%	59%	77%	72%	48%	83%	70%	38%	89%	68%	27%	91%	56%	14%	93%	45%	0%	93%
			Water Demand	(MCM/year)	7.85	1.90	5.95	9.55	2.27	7.28	11.15	2.46	8.69	12.54	2.49	10.05	13.05	2.26	10.79	12.45	1.44	11.01	10.83	-	10.83
		Total	Pop. Served		731	174	557	884	246	638	1,043	328	715	1,208	429	779	1,343	551	792	1,466	678	788	1,565	809	756
			Coverage	(%)	73%	69%	74%	78%	75%	79%	83%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	8.77	1.90	6.87	14.00	5.76	8.24	21.13	11.46	9.67	30.61	19.55	11.06	42.42	30.59	11.83	56.86	44.78	12.07	74.24	62.32	11.92
	7	Cebu	Population	(x 1,000)	2,921	1,709	1,212	3,235	1,993	1,242	3,571	2,300	1,271	3,990	2,610	1,380	4,175	2,901	1,273	4,427	3,170	1,257	4,651	3,393	1,288
		L-III	Pop. Served		360	290	70	676	606	70	1,067	997	70	1,538	1,468	70	2,077	2,007	70	2,672	2,602	70	3,265	3,195	70
			Coverage	(%)	13%	18%	6%	21%	30%	6%	30%	43%	6%	40%	56%	5%	50%	69%	6%	60%	82%	6%	70%	95%	5%
			Water demand	(MCM/year)	94.55	52.31	12.25	132.40	100.76	11.64	168.09	157.05	11.04	229.09	218.65	10.43	291.35	281.53	9.83	351.72	342.50	9.22	401.59	392.97	8.62
		L-I, II	Pop. served		1,768	850	888	1,874	888	986	1,930	843	1,087	1,870	750	1,120	1,744	604	1,140	1,470	346	1,124	1,154	-	1,154
			Coverage	(%)	61%	51%	73%	58%	45%	79%	54%	37%	85%	47%	29%	86%	42%	21%	89%	33%	11%	89%	25%	0%	90%
			Water Demand	(MCM/year)	19.36	9.64	9.72	21.89	10.38	11.52	23.95	10.46	13.49	24.58	9.86	14.72	24.19	8.36	15.81	20.93	4.92	16.00	16.85	-	16.85
		Total	Pop. Served		2,127	1,179	958	2,551	1,495	1,056	2,997	1,840	1,157	3,409	2,219	1,190	3,821	2,611	1,210	4,142	2,948	1,194	4,419	3,195	1,224
			Coverage	(%)	73%	69%	79%	79%	75%	85%	84%	80%	91%	88%	85%	93%	92%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	83.91	61.94	21.97	134.29	111.13	23.16	192.04	167.51	24.53	253.66	228.51	25.15	315.54	289.91	25.63	372.65	347.42	25.23	418.44	392.97	25.46
	7	Negros Oriental	Population	(x 1,000)	1,025	326	699	1,068	370	698	1,135	438	697	1,197	505	692	1,251	574	677	1,292	642	650	1,324	710	615
		L-III	Pop. Served		124	121	4	179	176	4	251	247	4	337	334	4	438	434	4	552	548	4	678	674	4
			Coverage	(%)	12%	37%	1%	17%	47%	1%	22%	56%	1%	28%	66%	1%	35%	76%	1%	43%	85%	1%	51%	95%	1%
			Water demand	(MCM/year)	7.72	7.50	0.22	11.57	11.34	0.23	16.80	16.56	0.24	23.45	23.20	0.25	31.55	31.29	0.26	41.10	40.84	0.27	52.21	51.94	0.28
		L-I, II	Pop. served		618	104	514	650	106	543	692	104	599	722	99	626	706	82	626	663	49	614	580	-	580
			Coverage	(%)	60%	32%	73%	61%	28%	78%	61%	24%	86%	66%	19%	90%	57%	14%	92%	51%	8%	94%	44%	0%	94%
			Water Demand	(MCM/year)	6.77	1.14	5.63	7.59	1.24	6.35	8.59	1.28	7.31	9.49	1.26	8.23	9.82	1.14	8.68	9.64	0.70	8.74	8.47	-	8.47
		Total	Pop. Served		742	225	517	829	282	547	943	351	593	1,059	430	630	1,146	517	629	1,214	597	617	1,258	674	584
			Coverage	(%)	72%	69%	74%	78%	75%	79%	83%	80%	85%	88%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	14.49	8.64	5.85	19.16	12.58	6.58	25.40	17.85	7.55	32.94	24.46	8.48	41.37	32.43	8.94	50.54	41.54	9.00	60.69	51.94	8.75
	7	Siquijor	Population	(x 1,000)	74	12	62	82	14	68	90	15	75	90	17	73	94	19	75	95	20	76	97	21	76
		L-III	Pop. Served		9	-	9	11	2	9	13	5	9	17	8	9	20	12	9	24	16	9	29	20	9
			Coverage	(%)	12%	0%	14%	13%	16%	13%	16%	32%	12%	19%	46%	12%	22%	63%	11%	25%	79%	11%	29%	95%	11%
			Water demand	(MCM/year)	0.83	-	0.83	1.09	0.22	0.87	1.42	0.51	0.90	1.82	0.88	0.94	2.32	1.34	0.98	2.87	1.86	1.01	3.51	2.46	1.05
		L-I, II	Pop. served		54	8	46	61	8	53	64	7	57	67	6	61	68	5	63	66	3	63	64	-	64
			Coverage	(%)	73%	69%	73%	75%	59%	78%	75%	48%	81%	75%	38%	83%	72%	27%	84%	69%	14%	84%	66%	0%	84%
			Water Demand	(MCM/year)	0.59	0.09	0.50	0.72	0.09	0.62	0.80	0.09	0.71	0.88	0.08	0.80	0.94	0.07	0.87	0.94	0.04	0.90	0.94	-	0.94
		Total	Pop. Served		62	8	54	72	10	62	78	12	65	83	14	69	88	17	71	90	18	72	93	20	73
			Coverage	(%)	84%	69%	87%	88%	75%	91%	91%	80%	93%	93%	85%	95%	94%	90%	95%	95%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	1.42	0.09	1.33	1.81	0.32	1.49	2.22	0.60	1.61	2.70	0.97	1.74	3.26	1.41	1.85	3.81	1.90	1.91	4.44	2.46	1.98
WRR-VII	Total		Population	(x 1,000)	5,015	2,298	2,716	5,520	2,711	2,810	6,043	3,164	2,880	6,536	3,637	2,900	6,982	4,106	2,877	7,373	4,561	2,812	7,721	4,960	2,755
		L-III	Pop. Served		516	420	96	932	836	96	1,475	1,379	96	2,146	2,050	96	2,937	2,840	96	3,836	3,743	96	4,795	4,699	96
			Coverage	(%)	10%	18%	4%	17%	31%	3%	24%	44%	3%	33%	56%	3%	42%	69%	3%	52%	82%	3%	62%	95%	3%
			Water demand	(MCM/year)	74	69	5	130	116	14	196	183	13	275	260	13	355	342	12	440	429	12	521	510	11
		L-I, II	Pop. served		3,156	1,166	1,990	3,803	1,197	2,606	3,586	1,152	2,433	3,613	1,042	2,572	3,461	855	2,606	3,074	499	2,575	2,540	-	2,540
			Coverage	(%)	63%	51%	73%	62%	44%	79%	59%	36%	84%	55%	29%	89%	50%	21%	91%	42%	11%	92%	33%	0%	92%
			Water Demand	(MCM/year)	35	13	22	40	14	26	44	14	30	47	14	34	48	12	36	44	7	37	37	-	37
		Total	Pop. Served		3,672	1,586	2,086	4,735	2,033	2,702	5,061	2,531	2,530	5,759	3,092	2,668	6,397	3,695	2,702	6,913	4,242	2,671	7,335	4,698	2,636
			Coverage	(%)	73%	69%	77%	79%	75%	82%	84%	80%	88%	88%	85%	92%	92%	90%	94%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	109	73	36	169	130	39	241	197	43	320	273	46	403	354	48	484	436	48	558	510	48
WRR-VIII	Biliran		Population	(x 1,000)	132	40	93	147	44	103	164	49	115	180	54	126	197	59	138	215	64	149	228	64	164
		L-III	Pop. Served		20	-	20	27	7	20	36	16	20	46	26	20	57	37	20	71	51	20	85	65	20
			Coverage	(%)	15%	0%	22%	18%	16%	20%	22%	32%	17%	25%	48%	16%	29%	63%	15%	33%	79%	13%	37%	95%	12%
			Water demand	(MCM/year)	1.31	-	1.31	1.81	0.47	1.35	2.47	1.08	1.38	3.25	1.83	1.42	4.20	2.74	1.46	5.30	3.79	1.50	6.54	5.00	1.54
		L-I, II	Pop. served		95	27	68	103	26	77	113	24	89	120	20	100	127	16	111	130	9	122	131	-	131
			Coverage	(%)	72%	69%	73%	71%	59%	75%	69%	48%	78%	67%

Table E-15 SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY BY WATER RESOURCES REGION AND PROVINCE (5/7)

WRR	Province	Type	Public Water Supply Coverage/ Demand		1995 Total	1995 Urban	1995 Rural	2000 Total	2000 Urban	2000 Rural	2005 Total	2005 Urban	2005 Rural	2010 Total	2010 Urban	2010 Rural	2015 Total	2015 Urban	2015 Rural	2020 Total	2020 Urban	2020 Rural	2025 Total	2025 Urban	2025 Rural
8 Eastern Samar			Population	(x 1,000)	362	117	245	388	131	256	424	149	275	454	166	288	478	180	298	497	191	306	515	200	315
		I-III	Pop. Served		7	-	7	28	21	7	34	47	7	86	79	7	121	114	7	159	152	7	197	190	7
			Coverage	(%)	2%	0%	3%	7%	16%	3%	13%	32%	3%	19%	48%	2%	25%	63%	2%	32%	79%	2%	38%	95%	2%
			Water demand	(MCM/year)	0.47	-	0.47	1.96	1.46	0.50	4.01	3.49	0.52	6.62	6.07	0.55	9.74	9.17	0.57	13.35	12.75	0.60	17.23	16.61	0.62
		I-II	Pop. served		260	81	179	273	78	195	299	72	227	317	62	255	318	48	270	310	20	283	291	-	291
			Coverage	(%)	72%	69%	73%	70%	59%	76%	70%	46%	82%	70%	39%	89%	70%	27%	91%	62%	14%	93%	57%	0%	93%
			Water Demand	(MCM/year)	2.85	0.89	1.96	3.19	0.91	2.28	3.71	0.90	2.81	4.17	0.82	3.35	4.41	0.66	3.75	4.41	0.38	4.03	4.24	-	4.24
		Total	Pop. Served		267	81	186	301	99	202	333	119	234	403	141	262	439	162	277	469	178	291	487	190	298
			Coverage	(%)	74%	69%	76%	78%	75%	79%	83%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	3.32	0.89	2.43	5.15	2.37	2.78	7.72	4.38	3.33	10.79	6.89	3.90	14.15	9.84	4.32	17.76	13.13	4.63	21.47	16.61	4.86
8 Leyte			Population	(x 1,000)	1,511	518	993	1,675	612	1,064	1,876	726	1,150	2,064	840	1,224	2,251	901	1,350	2,459	1,083	1,345	2,595	1,203	1,395
		I-III	Pop. Served		257	142	114	351	237	114	477	363	114	629	515	114	811	697	114	1,022	907	114	1,257	1,143	114
			Coverage	(%)	17%	27%	12%	21%	39%	11%	25%	50%	10%	30%	61%	9%	36%	77%	8%	42%	84%	9%	48%	95%	8%
			Water demand	(MCM/year)	13.59	7.54	6.05	20.00	13.49	6.51	29.10	22.13	6.97	40.80	33.43	7.43	55.97	48.08	7.89	74.57	66.22	8.35	96.82	88.01	8.81
		I-II	Pop. served		945	215	730	1,075	222	854	1,173	218	955	1,248	200	1,049	1,280	168	1,111	1,264	100	1,164	1,211	-	1,211
			Coverage	(%)	63%	42%	73%	64%	36%	80%	63%	30%	83%	60%	24%	86%	57%	18%	86%	52%	9%	86%	47%	0%	87%
			Water Demand	(MCM/year)	10.35	2.36	7.99	12.56	2.59	9.97	14.56	2.70	11.86	16.40	2.62	13.78	17.75	2.33	15.41	17.99	1.43	16.57	17.68	-	17.68
		Total	Pop. Served		1,202	358	844	1,427	459	968	1,651	581	1,070	1,877	714	1,163	2,091	865	1,226	2,286	1,007	1,278	2,468	1,143	1,325
			Coverage	(%)	80%	69%	85%	85%	75%	91%	88%	80%	93%	91%	85%	95%	93%	90%	95%	94%	93%	95%	94%	95%	95%
			Water Demand	(MCM/year)	23.94	9.90	14.04	32.56	16.08	16.48	43.66	24.83	18.83	57.26	36.05	21.21	73.72	50.41	23.30	92.57	67.65	24.92	114.50	88.01	26.49
8 Northern Leyte			Population	(x 1,000)	454	136	318	486	158	331	494	171	323	527	195	332	551	216	335	566	235	333	579	442	137
		I-III	Pop. Served		1	1	-	25	25	-	55	55	-	93	93	-	137	137	-	186	186	-	420	420	-
			Coverage	(%)	0%	0%	0%	5%	16%	0%	11%	32%	0%	18%	48%	0%	25%	63%	0%	33%	79%	0%	73%	95%	0%
			Water demand	(MCM/year)	0.03	0.03	-	1.52	1.52	-	3.44	3.44	-	6.19	6.19	-	9.61	9.61	-	13.70	13.70	-	32.33	32.33	-
		I-II	Pop. served		326	94	232	354	93	261	357	82	275	375	73	302	369	57	312	349	32	316	130	-	130
			Coverage	(%)	72%	69%	73%	72%	59%	79%	72%	48%	85%	71%	37%	91%	67%	27%	93%	61%	14%	95%	22%	0%	95%
			Water Demand	(MCM/year)	3.57	1.02	2.54	4.14	1.08	3.05	4.43	1.02	3.41	4.92	0.96	3.97	5.12	0.80	4.32	4.96	0.46	4.50	1.90	-	1.90
		Total	Pop. Served		326	94	232	379	118	261	411	137	275	467	166	302	506	194	312	535	219	316	550	420	130
			Coverage	(%)	72%	69%	73%	78%	75%	79%	83%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	3.59	1.05	2.54	5.65	2.60	3.05	7.87	4.46	3.41	11.11	7.14	3.97	14.73	10.40	4.32	18.66	14.16	4.50	34.22	32.33	1.90
8 Southern Leyte			Population	(x 1,000)	318	63	255	402	84	318	453	98	355	504	114	390	553	129	424	601	144	457	646	159	487
		I-III	Pop. Served		13	9	4	24	24	-	41	41	-	63	63	-	88	88	-	118	118	-	151	151	-
			Coverage	(%)	4%	15%	1%	6%	28%	0%	9%	42%	0%	12%	55%	0%	16%	68%	0%	20%	82%	0%	23%	95%	0%
			Water demand	(MCM/year)	0.87	0.62	0.24	1.61	1.61	-	2.86	2.86	-	4.48	4.48	-	6.46	6.46	-	8.85	8.85	-	11.63	11.63	-
		I-II	Pop. served		219	54	185	290	39	251	339	38	302	389	34	355	422	28	395	450	16	434	463	-	463
			Coverage	(%)	69%	54%	73%	72%	47%	79%	75%	38%	85%	77%	30%	91%	76%	22%	93%	75%	11%	95%	72%	0%	95%
			Water Demand	(MCM/year)	2.40	0.37	2.02	3.39	0.45	2.94	4.21	0.47	3.74	5.11	0.45	4.66	5.86	0.39	5.47	6.41	0.23	6.17	6.76	-	6.76
		Total	Pop. Served		232	63	168	314	63	251	380	79	302	451	97	355	511	116	395	568	134	434	614	151	463
			Coverage	(%)	73%	69%	74%	78%	75%	79%	84%	80%	85%	90%	85%	91%	92%	90%	93%	95%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	3.26	1.00	2.26	5.00	2.06	2.94	7.07	3.33	3.74	9.59	4.93	4.66	12.32	6.85	5.47	15.26	9.09	6.17	18.39	11.63	6.76
8 Western Samar			Population	(x 1,000)	589	139	451	633	163	470	704	197	507	773	234	539	844	273	569	911	319	592	978	330	628
		I-III	Pop. Served		31	24	7	56	49	7	92	85	7	139	132	7	197	190	7	269	262	7	340	333	7
			Coverage	(%)	5%	17%	2%	9%	30%	2%	13%	43%	1%	18%	56%	1%	23%	69%	1%	30%	82%	1%	35%	95%	1%
			Water demand	(MCM/year)	1.05	0.81	0.24	2.30	2.01	0.29	4.44	4.10	0.34	7.68	7.28	0.39	12.34	11.89	0.44	18.75	18.26	0.50	26.17	25.63	0.55
		I-II	Pop. served		403	71	331	437	73	364	496	72	424	551	67	483	579	57	522	590	35	555	590	-	590
			Coverage	(%)	68%	52%	75%	69%	45%	77%	70%	37%	84%	71%	29%	90%	69%	21%	92%	65%	11%	94%	60%	0%	94%
			Water Demand	(MCM/year)	4.41	0.78	3.63	5.10	0.85	4.26	6.16	0.90	5.26	7.24	0.89	6.35	8.03	0.80	7.24	8.40	0.50	7.91	8.61	-	8.61
		Total	Pop. Served		434	96	338	493	122	371	588	158	431	690	190	491	776	248	520	859	297	563	929	333	597
			Coverage	(%)	74%	69%	75%	78%	75%	79%	84%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	5.46	1.59	3.87	7.40	2.86	4.55	10.60	5.00	5.60	14.92	8.17	6.74	20.37	12.69	7.68	27.16	18.76	8.40	34.78	25.63	9.15
WRR-VIII Total			Population	(x 1,000)	3,367	1,013	2,354	3,732	1,191	2,542	4,116	1,391	2,725	4,502	1,603	2,899	4,874	1,820	3,054	5,218	2,037	3,182	5,542	2,422	3,120
		I-III	Pop. Served		329	177	152	512	363	149	755	607	149	1,055	906	149	1,412	1,263	149	1,824	1,675	149	2,449	2,301	149
			Coverage	(%)	10%	17%	6%	14%	30%	6%	18%	44%	5%	23%	57%	5%	29%	69%	5%	35%	82%	5%	44%	95%	5%
			Water demand	(MCM/year)	17	9	8	29	21	9	46	37	9	66	59	10	98	88	10	135	124	11	191	179	12
		I-II	Pop. served		2,247	522	1,725	2,533	530	2,003	2,777	506	2,271	3,000	456	2,544	3,095	375	2,720	3,093	219	2,874	2,816	-	2,816
			Coverage	(%)	67%	52%	73%	68%	45%	79%	67%	36%	83%	67%	28%	88%	63%	21%	89%	59%	11%	90%	51%	0%	90%
			Water Demand	(MCM/year)	25	6	19	30	6	23	34	6	28	39	6	33	43	5	38	44	3	41	41	-	41
		Total	Pop. Served		2,576	699	1,877	3,045	893	2,152	3,533	1,113	2,420	4,055	1,362	2,692	4,507	1,638	2,869	4,917	1,894	3,023	5,265	2,301	2,964
			Coverage	(%)	77%	69%	80%	82%	75%	85%	86%	80%	89%	90%	85%	93%	92%	90%	94%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	42	15	27	59	27	32	81	43	37	104	65	43	141	93	48	179	127	52	232	179	53
WRR-IX Basilan			Population	(x 1,000)	296	149	156	305	175	130	317	210	106	343	258	85	365	303	62	384	343	41	399	374	24
		I-III	Pop. Served		55	21	34	83	49	34	121	87	34	176	142	34	241	207	34	314	280	34	356	356	-
			Coverage	(%)	19%	15%	22%	27%	28%	26%	38%	42%	32%	51%	55%	40%	66%	68%	55%	82%	82%	84%	89%	95%	0%
			Water demand	(MCM/year)	3.88	1.45	2.42	6.14	3.62	2.52	9.28	6.67	2.61	13.93	11.22	2.71	19.77	16.96	2.80	26.66	23.76	2.90	31.16	31.16	-
		I-II	Pop. served		190	76	114	171	82	90	148	81	67	124	78	47	91	66	25	43	39	4	23	-	23
			Coverage	(%)	64%	51%	73%	56%	47%	69%	47%	38%	63%	36%	30%	55%	25%	22%	40%	11%	11%	11%	6%	0%	95%
			Water Demand	(MCM/year)	2.08	0.83	1.25	2.00	0.96	1.05	1.83	1.00	0.83	1.64	1.02	0.61	1.26	0.91	0.34	0.62	0.56	0.06	0.34	-	0.34
		Total	Pop. Served		245	96	149	255	131	124	269	168	101	300	220	81	332	273	59	358	319	39	379	356	23
			Coverage	(%)	83%	69%	95%	86%	75%	95%	85%	80%	95%	87%	85%	95%	91%	90%	95%	93%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	5.96	2.28	3.67	8.14	4.57	3.56	11.12	7.67	3.44	15.57	12.25	3.32	21.02	17.88	3.15	27.28	24.31	2.96	31.49	31.16	0.34
9 Sulu			Population	(x 1,000)	536	146	390	635	187	448	715	225	488	787	265	523	854	305	549	912	344	568	960	380	580
		I-III	Pop. Served		32	32	-	64	64	-	104	104	-	155	155	-	215	215	-	285	285	-	361	361	-
			Coverage	(%)	6%	22%	0%	10%	34%	0%	15%	46%	0%	20%	59%	0%	25%	71%	0%	31%	83%	0%	38%	95%	0%
			Water demand	(MCM/year)	4.45	4.45	-	8.63	8.63	-	13.82	13.82	-	20.16	20.16	-	27.53	27.53	-	35.72	35.72	-	44.45	44.45	-
		I-II	Pop. served		353	69	285	430	76	354	491	75	415	546	70	476	569	59	510	575	35	540	551	-	551
			Coverage	(%)	66%	47%	73%	68%	41%	79%	69%	34%	85%	69%	26%	91%	67%	19%	93%	63%	10%	95%	57%	0%	95%
			Water Demand	(MCM/year)	3.87	0.75	3.12	5.02	0.89	4.14	6.09	0.94	5.15	7.17	0.92	6.25	7.90	0.82	7.08	8.18	0.50	7.68	8.05	-	8.05
		Total	Pop. Served		386	101	285	494	140	354	595	180	415	701	225	476	785	274	510	860	320	540	912	361	551
			Coverage	(%)	72%	69%	73%	78%	75%	79%	83%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	8.32	5.20	3.12	13.65	9.52	4.14	19.91	14.75	5.15	27.33	21.08	6.25	35.43	28.35	7.08	43.90	36.21	7.68	52.60	44.45	8.05
9 Tawi-tawi			Population	(x 1,000)	251	83	167	256	106	150	274	138	136	291	174	116	302	210	92	312	240	67	318	276	42
		I-III	Pop. Served		9	-	9	26	17	9	53	44	9	92	83	9	142	133	9	203	195	9	271	263	9
			Coverage	(%)	4%	0%	5%	10%	16%	6%	19%	32%	6%	32%	48%	8%	47%	63%	10%	65%	79%	13%	85%	95%	21%
			Water demand	(MCM/year)	1.54	-	1.54	4.28	2.81	1.47	8.31	6.92	1.39	13.68	12.37	1.31	19.94	18.71	1.24	26.80	25.64	1.16	33.39	32.31	1.08
		I-II	Pop. served		179	58	122	172	63	110	173	67	106	162	65	97	133	56	77	88	34	54	31	-	31
			Coverage	(%)	71%	69%	73%	67%	59%	73%	63%	48%	79%	56%	38%	83%	44%	27%	83%	28%	14%	82%	10%	0%	74%
			Water Demand	(MCM/year)	1.96	0.63	1.33	2.01	0.73	1.28	2.15	0.83	1.32	2.13	0.86	1.27	1.85	0.78	1.07	1.26	0.48	0.77	0.45	-	0.45
		Total	Pop. Served		188	58	130	198	80	118	226	111	115	254	148	106	275	189	86	292	229	63	302	263	40
			Coverage	(%)	75%	69%	78%	77%	75%	79%	82%	80%	85%	87%	85%	91%	91%	80%	93%	93%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	3.51	0.63	2.88	6.29	3.54	2.75	10.46	7.75	2.71	15.81	13.23	2.59	21.79	19.40	2.30	28.06	26.12	1.93	33.84	32.31	1.53
9 Zamboanga del N			Population	(x 1,000)	771	143	627	851	164	687	954	190	764	1,050	214	836	1,140	237	903	1,223	258	965	1,299	277	1,022
		I-III	Pop. Served		38	27	12	63	52	12	95	84	12	133	122	12	177	165	12	224	212	12	274	263	12
			Coverage	(%)	5%	19%	2%	7%	31%	2%	10%	44%	2%	13%	57%	1%	15%	70%	1%	18%	82%	1%	21%	95%	1%
			Water demand	(MCM/year)	2.70	1.88	0.82	4.63	3.78	0.85	7.26	6.38	0.89	10.54	9.62	0.92	14.46	13.51	0.95	18.68	18.00	0.99	24.06	23.02	1.02
		I-II	Pop. served		531	72	459	603	72	531	706	68	638	809	60	749	877	49	828	933	28	905	959	-	959
			Coverage	(%)	69%	50%	73%	71%	44%	77%	74%	36%	83%	77%	28%	90%	77%	20%	92%	76%	11%	94%	74%	0%	94%
			Water Demand	(MCM/year)	5.81	0.79	5.02	7.04	0.84	6.20	8.76	0.85	7.92	10.63	0.79	9.84	12.16	0.67	11.49	13.28	0.39	12.89	14.00	-	14.00
		Total	Pop. Served		569	99	471	666	123	543	801	152	650	943	182	761	1,053	213	840	1,157	240	917	1,234	263	971
			Coverage	(%)	74%	69%	75%	78%	75%	79%	84%	80%	85%	90%	85%	91%	92%	90%	93%	95%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	8.52	2.67	5.85	11.67	4.61	7.06	16.03	7.22	8.80	21.18	10.41	10.76	26.62	14.18	12.44	32.26	18.39	13.87	38.04	23.02	15.03
9 Zamboanga del S			Population	(x 1,000)	1,728	740	989	1,985	979	1,007	2,238	1,260	978	2,471	1,577	895	2,688	1,919	769	2,886	2,284	597	3,066	2,559	512
		I-III	Pop. Served		354	347	7	544	537	7	800	793	7	1,126	1,119	7	1,522	1,516	7	1,995	1,901	7	2,434	2,427	7
			Coverage	(%)	20%	47%	1%	27%	55%	1%	36%	63%	1%	46%	71%	1%	57%	79%	1%	69%	87%	1%	79%	95%	1%
			Water demand	(MCM/year)	26.76	26.20	0.56	42.23	41.67	0.56	63.65	63.07	0.57	91.83	91.25	0.58	127.28	126.68	0.60	171.01	170.39	0.61	213.20	212.57	0.63
		I-II	Pop. served		888	164	724	985	197	788	1,039	215	824	1,029	222	807	920	212	708	698	138	560	479	-	479
			Coverage	(%)	51%	22%	73%	50%	20%	78%	46%	17%	84%	42%	14%	90%	34%	11%	92%	24%	6%	94%	16%	0%	94%
			Water Demand	(MCM/year)	9.72	1.79	7.93	11.50	2.30	9.20	12.90	2.67	10.23	13.52	2.91	10.60	12.76	2.64	9.52	9.94	1.96	7.58	7.00	-	7.00
		Total	Pop. Served		1,242	510	732	1,529	734	795	1,839	1,008	831	2,154	1,340	814	2,443	1,727	715	2,666	2,129	568	2,913	2,427	486
			Coverage	(%)	72%	69%	74%	77%	75%	79%	82%	80%	85%	87%	85%	91%	91%	90%	93%	93%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	36.47	27.99	8.47	53.73	43.97	9.76	76.54	65.75	10.80	105.35	94.16	11.19	140.03	129.62	10.42	180.94	172.35	8.59	220.20	212.57	7.63
WRR-IX Total			Population	(x 1,000)	3,582	1,252	2,330	4,032	1,611	2,422	4,466	2,023	2,473	4,943	2,488	2,455	5,350	2,975	2,575	5,718	3,480	2,238	6,042	3,862	2,180
		I-III	Pop. Served		488	426	62	781	719	62	1,174	1,112	62	1,692	1,620	62	2,298	2,236	62	3,055	2,963	62	3,697	3,669	28
			Coverage	(%)	14%	34%	2.7%	19%	45%	3%	26%	55%	3%	34%	65%	3%	43%	75%	3%	53%	85%	3%	61%	95%	1%
			Water demand	(MCM/year)	39	34	5	66	61	5	102	97	5	150	145	6	209	203	6	279	273	6	346	344	3
		I-II	Pop. served		2,141	438	1,704	2,361	489	1,872	2,557	507	2,051	2,671	495	2,175	2,589	441	2,148	2,338	273	2,064	2,044	-	2,044
			Coverage	(%)	60%	35%	73%	59%	30%	77%	57%	25%	83%	54%	20%	89%	48%	15%	90%	41%	8%	92%	34%	0%	94%
			Water Demand	(MCM/year)	23	5	19	28	6	22	32	6	25	35	7	29	36	6	30	33	4	29	30	-	30
		Total	Pop. Served		2,630	864	1,766	3,142	1,208	1,934	3,731	1,618	2,112	4,352	2,115	2,237	4,887	2,677	2,210	5,362	3,236	2,126	5,740	3,669	2,071
			Coverage	(%)	73%	66%	76%	78%	75%	80%	83%	80%	85%	88%	85%	91%	91%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	63	39	24	93	66	27	134	103	31	185	151	34	245	210	35	312	277	35	376	344	31
WRR-X Agusan del Norte			Population	(x 1,000)	514	228	287	566	259	307	620	290	330	669	320	349	711	345	366	745	365	380	772	380	392
		I-III	Pop. Served		109	81	28	145	117	28	189	161	28	237	209	28	287	259	28	339	311	28	389	361	28
			Coverage	(%)	21%	35%	10%	26%	45%	9%	30%	55%	8%	35%	65%	8%	40%	75%	8%	45%	85%	7%	50%	95%	7%
			Water demand	(MCM/year)	3.89	2.89	1.00	6.20	5.01	1.19	9.34	7.95	1.39	13.34	11.76	1.58	18.17	16.40	1.77	23.74	21.78	1.96	29.93	27.77	2.16
		I-II	Pop. served		286	76	210	310	77	233	344	72	272	360	63	297	371	51	320	362	29	333	344	-	344
			Coverage	(%)	56%	34%	73%	55%	30%	76%	55%	25%	81%	54%	20%	85%	52%	15%	87%	49%	8%	88%	45%	0%	88%
			Water Demand	(MCM/year)	3.14	0.84	2.30	3.62	0.90	2.72	4.27	0.89	3.38	4.73	0.83	3.90	5.15	0.71	4.44	5.15	0.41	4.74	5.03	-	5.03
		Total	Pop. Served		395	157	238	455	194	261	533	232	300	596	272	325	658	311	348	700	339	361	733	361	372
			Coverage	(%)	77%	69%	83%	80%	75%	85%	86%	80%	91%	89%	85%	93%	93%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand	(MCM/year)	7.03	3.73	3.30	9.82	5.90	3.92	13.61	8.84	4.77	18.07	12.59	5.48	23.32	17.11	6.21	28.90	22.19	6.70	34.66	27.77	7.18
10 Agusan del Sur			Population	(x 1,000)	515	124	391	607	152	455	730	190	540	872	233	639	1,036	284	752	1,214	339	876	1,408	395	1,009
		I-III	Pop. Served		20	3	17	45	28	17	81	64	17	131	114	17	199	182	17	287	270	17	396	379	17
			Coverage	(%)	4%	3%	4%	7%	18%	4%	11%	34%	3%	15%	49%	3%	19%	64%	2%	24%	80%	2%	28%	95%	2%
			Water demand	(MCM/year)	1.39	0.23	1.16	3.18	1.97	1.21	6.00	4.74	1.27	10.17	8.65	1.52	16.16	14.78	1.38	24.18	22.75	1.44	34.65	33.16	1.49
		I-II	Pop. served		366	82	284	429	87	342	530	88	442	649	84	565	755	73	682	860	45	815	942	-	942
			Coverage	(%)	71%	66%	73%	71%	57%	75%

Table E-15 SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY BY WATER RESOURCES REGION AND PROVINCE (6/7)

WRR	Province	Type	Public Water Supply: Coverage / Demand	1995 Total	1995 Urban	1995 Rural	2000 Total	2000 Urban	2000 Rural	2005 Total	2005 Urban	2005 Rural	2010 Total	2010 Urban	2010 Rural	2015 Total	2015 Urban	2015 Rural	2020 Total	2020 Urban	2020 Rural	2025 Total	2025 Urban	2025 Rural
10 Bukidnon			Population (x 1,000)	940	339	602	1,120	472	654	1,263	612	651	1,438	767	672	1,589	928	661	1,727	1,064	662	1,852	1,263	590
		L-III	Pop. Served	87	72	16	174	158	16	296	290	16	461	445	16	669	653	16	912	897	16	1,177	1,161	16
			Coverage (%)	9%	21%	3%	15%	33%	2%	23%	46%	2%	32%	58%	2%	42%	70%	2%	53%	83%	2%	64%	95%	2%
			Water demand (MCM/year)	4.53	3.72	0.81	9.73	8.85	0.87	17.81	16.87	0.94	29.69	28.69	1.00	45.89	44.82	1.07	66.43	65.29	1.14	90.65	89.45	1.20
		L-I, II	Pop. served	604	162	442	697	196	501	764	209	555	802	206	596	781	182	599	700	112	595	583	-	583
			Coverage (%)	64%	48%	75%	62%	42%	77%	60%	34%	85%	56%	27%	89%	46%	20%	91%	41%	10%	93%	31%	0%	93%
			Water Demand (MCM/year)	6.61	1.77	4.84	8.14	2.29	5.86	9.48	2.60	6.88	10.54	2.71	7.83	10.83	2.52	8.31	10.05	1.59	8.46	8.51	-	8.51
		Total	Pop. Served	691	234	457	871	354	517	1,060	490	570	1,263	652	611	1,450	835	615	1,619	1,008	610	1,760	1,161	598
			Coverage (%)	73%	69%	76%	77%	75%	79%	83%	80%	85%	88%	85%	91%	91%	90%	93%	94%	90%	94%	95%	95%	95%
			Water Demand (MCM/year)	11.14	5.49	5.65	17.87	11.14	6.73	27.29	19.47	7.82	40.23	31.40	8.83	56.73	47.35	9.38	76.48	66.88	9.60	99.16	89.45	9.71
10 Camiguin			Population (x 1,000)	68	41	27	74	50	23	80	61	19	86	71	14	91	80	10	93	86	7	90	84	6
		L-III	Pop. Served	9	-	9	17	8	9	28	19	9	42	34	9	59	51	9	68	68	-	85	85	-
			Coverage (%)	13%	0%	31%	22%	16%	37%	35%	32%	46%	50%	48%	63%	64%	63%	84%	73%	79%	0%	94%	99%	0%
			Water demand (MCM/year)	1.32	-	1.32	2.47	1.19	1.28	4.02	2.78	1.23	5.90	4.71	1.19	7.94	6.79	1.14	8.75	8.75	-	10.52	10.52	-
		L-I, II	Pop. served	46	28	17	43	30	14	39	29	9	32	27	5	23	21	1	19	12	7	6	-	6
			Coverage (%)	67%	68%	64%	59%	59%	58%	49%	48%	46%	37%	38%	35%	25%	27%	11%	20%	14%	95%	6%	0%	95%
			Water Demand (MCM/year)	0.50	0.31	0.19	0.51	0.35	0.16	0.48	0.37	0.11	0.42	0.35	0.06	0.31	0.30	0.02	0.27	0.17	0.10	0.09	-	0.09
		Total	Pop. Served	54	28	26	60	38	22	67	49	18	74	61	13	82	72	10	87	80	7	92	85	6
			Coverage (%)	79%	69%	95%	81%	75%	95%	84%	80%	95%	87%	85%	95%	91%	90%	95%	93%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	1.82	0.31	1.52	2.98	1.54	1.44	4.50	3.15	1.35	6.32	5.06	1.25	8.25	7.09	1.16	9.01	8.91	0.10	10.60	10.52	0.09
10 Misamis Occidental			Population (x 1,000)	459	140	319	490	167	324	523	197	326	551	229	322	573	262	311	588	294	294	596	324	272
		L-III	Pop. Served	48	19	29	74	45	29	109	80	29	153	124	29	206	177	29	268	239	29	337	308	29
			Coverage (%)	10%	13%	9%	15%	27%	9%	21%	41%	9%	28%	54%	9%	36%	68%	9%	46%	81%	10%	57%	95%	11%
			Water demand (MCM/year)	4.70	1.84	2.86	7.59	4.62	2.98	11.64	8.54	3.09	16.99	13.78	3.21	23.73	20.40	3.33	31.90	28.46	3.44	41.42	37.86	3.56
		L-I, II	Pop. served	311	78	233	326	80	246	345	78	268	341	71	271	325	58	267	284	34	250	229	-	229
			Coverage (%)	68%	56%	73%	67%	48%	76%	66%	39%	82%	62%	31%	84%	57%	22%	86%	48%	12%	85%	38%	0%	84%
			Water Demand (MCM/year)	3.40	0.85	2.55	3.81	0.94	2.88	4.29	0.97	3.32	4.49	0.93	3.56	4.51	0.81	3.70	4.05	0.49	3.56	3.34	-	3.34
		Total	Pop. Served	358	97	262	400	125	275	454	158	296	494	195	299	531	235	296	553	273	279	566	308	258
			Coverage (%)	78%	69%	82%	82%	75%	85%	87%	80%	91%	90%	85%	93%	93%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	8.10	2.69	5.41	11.41	5.55	5.85	15.92	9.51	6.41	21.48	14.71	6.76	28.24	21.21	7.02	35.95	28.95	7.00	44.76	37.26	6.90
10 Misamis Oriental			Population (x 1,000)	1,016	662	354	1,062	784	278	1,163	938	226	1,254	1,100	154	1,332	1,266	67	1,393	1,393	-	1,440	1,440	-
		L-III	Pop. Served	390	386	4	498	494	4	655	651	4	838	834	4	1,044	1,041	4	1,235	1,235	-	1,368	1,368	-
			Coverage (%)	38%	57%	1%	47%	63%	1%	56%	69%	2%	67%	76%	2%	78%	82%	6%	89%	89%	-	95%	95%	-
			Water demand (MCM/year)	29.74	29.46	0.28	38.93	38.64	0.29	52.42	52.12	0.30	68.65	68.34	0.30	87.56	87.23	0.33	105.83	105.83	-	119.82	119.82	-
		L-I, II	Pop. served	328	84	244	310	94	216	287	99	188	238	101	137	157	98	58	61	61	-	-	-	-
			Coverage (%)	32%	12%	73%	29%	12%	78%	25%	11%	83%	19%	9%	89%	12%	8%	87%	4%	4%	-	0%	0%	-
			Water Demand (MCM/year)	3.50	0.92	2.67	2.62	1.09	2.52	3.56	1.23	2.33	3.12	1.33	1.80	2.17	1.37	0.81	0.87	0.87	-	-	-	-
		Total	Pop. Served	718	470	247	808	588	220	942	750	192	1,075	935	140	1,201	1,139	62	1,296	1,296	-	1,368	1,368	-
			Coverage (%)	71%	69%	70%	76%	75%	79%	81%	80%	85%	86%	85%	91%	90%	90%	93%	93%	93%	-	95%	95%	-
			Water Demand (MCM/year)	33.33	30.38	2.95	42.55	39.73	2.82	55.98	53.35	2.63	71.77	69.67	2.10	89.71	88.59	1.12	106.70	106.70	-	119.82	119.82	-
10 Surigao del Norte			Population (x 1,000)	442	172	270	500	204	297	538	227	310	569	249	320	591	267	324	604	280	324	611	289	323
		L-III	Pop. Served	54	45	9	86	76	9	121	111	9	160	151	9	202	192	9	243	233	9	284	274	9
			Coverage (%)	12%	26%	3%	17%	37%	3%	22%	49%	3%	28%	60%	3%	34%	72%	3%	40%	83%	3%	46%	95%	3%
			Water demand (MCM/year)	2.07	1.71	0.36	3.83	3.41	0.42	6.19	5.70	0.48	9.24	8.69	0.54	12.93	12.33	0.61	17.13	16.47	0.67	21.84	21.12	0.73
		L-I, II	Pop. served	270	74	196	301	77	225	325	71	254	343	61	282	340	48	292	325	27	297	297	-	297
			Coverage (%)	61%	43%	73%	60%	38%	76%	60%	31%	82%	60%	25%	88%	58%	18%	90%	54%	10%	92%	95%	0%	92%
			Water Demand (MCM/year)	2.96	0.81	2.15	5.52	0.89	2.63	4.03	0.88	3.16	4.51	0.80	3.70	4.71	0.67	4.05	4.63	0.38	4.25	4.34	-	4.34
		Total	Pop. Served	324	119	205	387	153	234	446	182	264	503	212	291	542	240	301	568	260	308	581	274	307
			Coverage (%)	73%	69%	76%	77%	75%	79%	83%	80%	85%	88%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	5.03	2.52	2.51	7.36	4.31	3.05	10.22	6.58	3.64	13.74	9.50	4.25	17.65	12.99	4.65	21.76	16.84	4.92	26.19	21.12	5.07
WRR-X Total			Population (x 1,000)	3,955	1,725	2,230	4,426	2,088	2,338	4,937	2,515	2,422	5,440	2,969	2,470	5,923	3,432	2,491	6,364	3,843	2,521	6,775	4,143	2,632
		L-III	Pop. Served	717	605	111	1,038	926	111	1,477	1,366	111	2,022	1,911	111	2,667	2,556	111	3,351	3,252	99	4,035	3,936	99
			Coverage (%)	18%	35%	5%	23%	44%	5%	30%	54%	5%	37%	64%	5%	45%	74%	4%	53%	85%	4%	60%	95%	4%
			Water demand (MCM/year)	48	40	8	72	64	8	107	99	9	154	145	9	212	203	10	278	260	9	340	340	0
		L-I, II	Pop. served	2,210	585	1,625	2,417	639	1,778	2,635	646	1,988	2,764	613	2,151	2,752	533	2,219	2,618	320	2,294	2,402	-	2,402
			Coverage (%)	56%	34%	73%	55%	31%	76%	53%	26%	82%	51%	21%	87%	46%	16%	89%	41%	8%	91%	35%	0%	91%
			Water Demand (MCM/year)	24	6	18	28	7	21	33	8	25	36	8	28	38	7	31	37	5	33	35	-	35
		Total	Pop. Served	2,927	1,190	1,736	3,455	1,566	1,889	4,112	2,012	2,100	4,786	2,524	2,262	5,419	3,088	2,331	5,969	3,572	2,397	6,436	3,936	2,501
			Coverage (%)	74%	69%	78%	78%	75%	81%	83%	80%	87%	88%	85%	92%	91%	90%	94%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	72	46	26	100	71	29	140	107	33	190	153	37	251	210	40	315	274	41	384	340	44
			Population (x 1,000)	1,191	524	667	1,561	631	1,130	1,668	467	1,201	1,773	502	1,271	1,907	503	1,404	2,154	618	1,536	2,237	673	1,564
WRR-XI	Davao del Norte		Population (x 1,000)	1,191	524	667	1,561	631	1,130	1,668	467	1,201	1,773	502	1,271	1,907	503	1,404	2,154	618	1,536	2,237	673	1,564
		L-III	Pop. Served	88	76	13	165	152	13	233	220	13	309	297	13	413	400	13	526	513	13	652	639	13
			Coverage (%)	7%	23%	1%	11%	35%	1%	14%	47%	1%	17%	59%	1%	21%	71%	1%	24%	83%	1%	28%	95%	1%
			Water demand (MCM/year)	4.35	3.72	0.63	8.87	8.18	0.68	13.65	12.90	0.74	19.54	18.74	0.80	27.97	27.11	0.86	38.09	37.17	0.92	50.21	49.24	0.98
		L-I, II	Pop. served	777	148	629	1,051	171	880	1,161	153	1,008	1,274	130	1,144	1,400	106	1,293	1,508	62	1,446	1,568	-	1,568
			Coverage (%)	65%	46%	73%	67%	40%	78%	70%	33%	84%	72%	26%	90%	73%	19%	92%	70%	10%	94%	69%	0%	94%
			Water Demand (MCM/year)	8.51	1.62	6.89	12.28	2.00	10.28	14.41	1.99	12.51	16.74	1.70	15.03	19.41	1.47	17.94	21.47	0.88	20.59	22.89	-	22.89
		Total	Pop. Served	865	224	642	1,216	323	893	1,395	374	1,021	1,583	426	1,157	1,812	506	1,306	2,034	575	1,489	2,220	639	1,580
			Coverage (%)	73%	69%	74%	78%	75%	79%	84%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	12.86	5.34	7.51	21.15	10.18	10.96	28.06	14.80	13.25	36.28	20.44	15.83	47.38	28.58	18.80	59.56	38.05	21.51	73.10	49.24	23.87
	Davao del Sur		Population (x 1,000)	1,684	849	835	1,761	904	852	1,961	1,031	930	2,153	1,154	999	2,287	1,244	1,043	2,397	1,318	1,079	2,488	1,374	1,114
		L-III	Pop. Served	827	812	15	885	870	15	1,003	988	15	1,121	1,106	15	1,208	1,193	15	1,280	1,265	15	1,334	1,319	15
			Coverage (%)	49%	96%	2%	50%	96%	2%	51%	96%	2%	52%	96%	2%	53%	96%	1%	53%	96%	1%	54%	96%	1%
			Water demand (MCM/year)	49.51	48.60	0.91	55.51	54.56	0.95	65.78	64.79	0.99	76.73	75.69	1.04	86.15	85.07	1.08	94.92	93.79	1.12	102.72	101.55	1.17
		L-I, II	Pop. served	614	3	611	661	2	658	777	2	775	890	2	894	956	1	955	1,010	1	1,009	1,040	-	1,040
			Coverage (%)	36%	0%	73%	38%	0%	77%	40%	0%	83%	42%	0%	89%	42%	0%	92%	42%	0%	94%	42%	0%	94%
			Water Demand (MCM/year)	6.72	0.03	6.69	7.72	0.03	7.69	9.04	0.03	9.02	11.77	0.02	11.75	13.26	0.02	13.24	14.38	0.01	14.37	15.18	-	15.18
		Total	Pop. Served	1,441	815	626	1,546	872	673	1,780	990	790	2,017	1,108	909	2,165	1,195	970	2,290	1,266	1,025	2,373	1,319	1,055
			Coverage (%)	86%	96%	75%	88%	96%	79%	91%	96%	85%	94%	96%	91%	95%	96%	93%	96%	96%	95%	96%	95%	95%
			Water Demand (MCM/year)	56.24	48.64	7.60	63.23	54.59	8.64	75.43	64.82	10.61	88.50	75.71	12.78	99.41	85.09	14.33	109.30	93.80	15.50	117.90	101.55	16.35
	Davao Oriental		Population (x 1,000)	413	115	299	459	132	327	508	151	357	550	168	382	575	190	395	592	188	404	603	199	404
		L-III	Pop. Served	22	5	13	42	29	13	69	55	13	99	86	13	132	118	13	165	151	13	198	184	13
			Coverage (%)	5%	7%	4%	9%	22%	4%	13%	36%	4%	18%	51%	4%	23%	62%	3%	28%	80%	3%	33%	95%	3%
			Water demand (MCM/year)	0.94	0.35	0.58	2.07	1.41	0.66	3.74	3.01	0.73	5.99	5.18	0.81	8.67	7.78	0.88	11.76	10.80	0.96	15.23	14.20	1.03
		L-I, II	Pop. served	288	71	217	315	70	245	356	66	290	391	57	334	398	44	354	394	24	370	375	-	375
			Coverage (%)	70%	62%	73%	69%	53%	75%	70%	44%	81%	71%	34%	87%	69%	24%	90%	67%	13%	92%	62%	0%	92%
			Water Demand (MCM/year)	3.15	0.78	2.37	3.68	0.82	2.86	4.41	0.82	3.59	5.14	0.75	4.39	5.52	0.61	4.91	5.61	0.34	5.27	5.47	-	5.47
		Total	Pop. Served	309	79	230	358	99	258	424	121	303	491	143	348	529	162	367	558	175	383	572	184	388
			Coverage (%)	75%	69%	77%	78%	75%	79%	84%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	4.09	1.13	2.96	5.75	2.23	3.52	8.16	3.83	4.33	11.13	5.93	5.20	14.18	8.39	5.79	17.36	11.14	6.22	20.70	14.20	6.50
	Surigao del Sur		Population (x 1,000)	471	204	268	537	249	288	603	297	305	666	348	318	712	393	320	751	434	317	783	473	310
		L-III	Pop. Served	92	45	47	132	85	47	184	137	47	251	204	47	324	277	47	406	359	47	496	449	47
			Coverage (%)	19%	22%	18%	25%	34%	16%	31%	46%	15%	38%	58%	15%	46%	71%	15%	54%	83%	15%	63%	95%	15%
			Water demand (MCM/year)	3.88	1.89	1.99	6.34	4.08	2.26	9.94	7.41	2.53	14.95	12.15	2.80	21.22	18.15	3.08	28.95	25.60	3.35	38.20	34.58	3.62
		L-I, II	Pop. served	292	90	197	323	102	221	345	100	243	347	92	255	333	76	257	298	44	254	247	-	247
			Coverage (%)	62%	47%	73%	60%	41%	77%	57%	34%	80%	52%	27%	80%	47%	19%	80%	40%	10%	80%	32%	0%	80%
			Water Demand (MCM/year)	3.20	1.05	2.15	3.77	1.19	2.58	4.26	1.24	3.02	4.56	1.21	3.35	4.62	1.05	3.56	4.25	0.63	3.62	3.61	-	3.61
		Total	Pop. Served	384	140	244	455	187	268	528	238	290	598	296	302	657	353	304	705	404	301	743	449	294
			Coverage (%)	81%	69%	91%	85%	75%	93%	88%	80%	95%	90%	85%	95%	92%	90%	95%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	7.08	2.94	4.14	10.11	5.27	4.85	14.20	8.65	5.55	19.52	13.36	6.15	25.84	19.20	6.64	33.20	26.23	6.96	41.81	34.58	7.23
WRR-XII	Total		Population (x 1,000)	3,760	1,491	2,269	4,318	1,721	2,598	4,740	1,947	2,793	5,142	2,172	2,970	5,642	2,379	3,162	5,894	2,559	3,335	6,205	2,713	3,492
		L-III	Pop. Served	1,029	940	88	1,224	1,135	88	1,489	1,401	88	1,781	1,692	88	2,077	1,989	88	2,377	2,289	88	2,679	2,591	88
			Coverage (%)	27%	63%	4%	28%	66%	3%	31%	72%	3%	35%	78%	3%	37%	84%	3%	40%	89%	3%	43%	95%	3%
			Water demand (MCM/year)	59	55	4	73	68	5	93	88	5	117	112	5	144	138	6	174	167	6	206	200	7
		L-I, II	Pop. served	1,971	318	1,654	2,350	346	2,004	2,638	322	2,316	2,908	281	2,627	3,087	227	2,859	3,210	130	3,080	3,229	-	3,229
			Coverage (%)	52%	21%	73%	54%	20%	77%	56%	17%	83%	57%	13%	88%	56%	10%	90%	54%	5%	92%	52%	0%	92%
			Water Demand (MCM/year)	22	3	18	27	4	23	33	4	29	38	4	35	43	3	40	46	2	44	47	-	47
		Total	Pop. Served	3,000	1,258	1,742	3,574	1,481	2,093	4,127	1,723	2,404	4,689	1,973	2,715	5,163	2,216	2,947	5,587	2,419	3,168	5,909	2,591	3,318
			Coverage (%)	80%	84%	77%	83%	86%	81%	87%	88%	86%	91%	91%	91%	93%	93%	93%	95%	94%	95%	95%	96%	95%
			Water Demand (MCM/year)	80	58	22	100	72	28	126	92	34	155	115	40	187	141	46	219	169	50	254	200	54
WRR-XII	Lanao del Norte		Population (x 1,000)	714	212	502	793	292	503	886	393	494	971	507	464	1,048	629	419	1,113	749	364	1,168	862	306
		L-III	Pop. Served	10	10	-	57	57	-	136	136	-	252	252	-	408	408	-	599	599	-	819	819	-
			Coverage (%)	1%	5%	0%	7%	20%	0%	15%	35%	0%	26%	50%	0%	39%	65%	0%	54%	80%	0%	70%	95%	0%
			Water demand (MCM/year)	1.10	1.10	-	6.63	6.63	-	15.96	15.96	-	29.94	29.94	-	48.95	48.95	-	72.76	72.76	-	100.75	100.75	-
		L-I, II	Pop. served	503	137	366	550	162	388	598	178	420	601	179	423	548	158	390	444	98	346	291	-	291
			Coverage (%)	70%	64%	73%	70%	55%	79%	67%	45%	85%	62%	35%	91%	52%	25%	93%	40%	13%	95%	25%	0%	95%
			Water Demand (MCM/year)	5.51	1.50	4.01	6.53	1.89	4.65	7.42	2.21	5.21	7.90	2.35	5.55	7.60	2.19	5.41	6.32	1.39	4.92	4.25	-	4.25
		Total	Pop. Served	513	146	366	617	219	398	734	314	420	854	431	423	955	566	390	1,042	697	346	1,110	819	291
			Coverage (%)	72%	69%	73%	78%	75%	79%	83%	80%	85%	88%	85%	91%	91%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	6.61	2.60	4.01	13.16	8.51	4.65	23.38	18.17	5.21	37.84	32.29	5.55	56.55	51.14	5.41	79.07	74.15	4.92	105.00	100.75	4.25
	Lanao del Sur		Population (x 1,000)	592	240	352	634	300	334	714	379	335	791	464	328	854	543	316	918	610	308	966	658	308
		L-III	Pop. Served	18	18	-	66	66	-	139	139	-	238	238	-	357	357	-	490	490	-	625	625	-
			Coverage (%)	3%	8%	0%	10%	22%	0%	19%	37%	0%	30%	51%	0%	42%	66%	0%	53%	80%	0%	65%	95%	0%
			Water demand (MCM/year)	1.66	1.66	-	6.27	6.27	-	13.43	13.43	-	23.47	23.47	-	36.03	36.03	-	50.48	50.48	-	65.73	65.73	-
		L-I, II	Pop. served	404	147	257	426	159	267	449	164	285	455	156	298	425	131	294	370	77	293	293	-	293
			Coverage (%)	68%	61%	73%	67%	53%	76%	63%	43%	85%	57%	34%	91%	49%	24%	93%	40%	13%	95%	30%	0%	95%
			Water Demand (MCM/year)	4.43	1.61	2.81	4.98	1.86	3.12	5.57	2.04	3.53	5.97	2.06	3.92	5.86	1.82	4.08	5.26	1.09	4.17	4.25	-	4.25
		Total	Pop. Served	422	165	257	493	225	267	588	303	285	692	394	298	782	488	294	860	567	293	918	625	293
			Coverage (%)	71%	69%	73%	77%	75%	79%	82%	80%	85%	87%	85%	91%	91%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	6.09	3.28	2.81	11.25	8.12	3.12	19.00	15.47	3.53	29.44	25.52	3.92	41.93	37.85	4.08	55.75	51.58	4.17	70.00	65.73	4.28
	Maguindanao		Population (x 1,000)	809	276	533	958	350	608	1,076	422	654	1,188	444	744	1,287	579	708	1,375	664	711	1,449	749	700
		L-III	Pop. Served	104	104	-	165	165	-	236	236	-	331	331	-	439	439	-	567	567	-	712	712	-
			Coverage (%)	13%	38%	0%	17%	47%	0%	22%	57%	0%	28%	66%	0%	34%	76%	0%	41%	85%	0%	49%	95%	0%
			Water demand (MCM/year)	4.91	4.91	-	8.63	8.63	-	13.70	13.70	-	20.58	20.58	-	29.51	29.51	-	40.91	40.91	-	54.80	54.80	-
		L-I, II	Pop. served	476	87	389	578	98	480	654	98	556	721	94	627	741	82	659	726	50	676	665	-	665
			Coverage (%)	59%	31%	73%	60%	28%	79%	61%	23%	85%	61%	19%	91%	58%	14%	93%	53%	8%	95%	46%	0%	95%
			Water Demand (MCM/year)	5.21	0.95	4.26	6.75	1.14	5.61	8.12	1.22	6.90	9.47	1.23	8.24	10.27	1.16	9.13	10.33	0.72	9.62	9.71	-	9.71
		Total	Pop. Served	580	190	389	743	262	480	893	337	556	1,052	424	627	1,180	521	659	1,293	618	676	1,376	712	665
			Coverage (%)	72%	69%

Table E-15 SERVICE COVERAGE AND WATER DEMAND FOR PUBLIC WATER SUPPLY BY WATER RESOURCES REGION AND PROVINCE (7/7)

WRR	Province	Type	Public Water Supply Coverage/ Demand	1995 Total	1995 Urban	1995 Rural	2000 Total	2000 Urban	2000 Rural	2005 Total	2005 Urban	2005 Rural	2010 Total	2010 Urban	2010 Rural	2015 Total	2015 Urban	2015 Rural	2020 Total	2020 Urban	2020 Rural	2025 Total	2025 Urban	2025 Rural
12	North Cotabato		Population	863	203	660	1,001	254	746	1,121	306	815	1,237	363	875	1,346	418	922	1,431	474	957	1,521	527	994
		I-III	Pop. Served	64	53	11	102	96	11	162	151	11	231	220	11	313	301	11	407	396	11	512	501	11
			Coverage (%)	7%	26%	2%	11%	38%	1%	14%	49%	1%	19%	61%	1%	23%	72%	1%	28%	84%	1%	34%	95%	1%
			Water demand (MCM/year)	4.77	3.95	0.82	8.17	7.32	0.84	12.71	11.84	0.87	18.67	17.77	0.89	25.97	25.05	0.92	34.72	33.78	0.94	44.86	43.89	0.97
		I-I, II	Pop. served	570	87	484	673	95	579	776	94	682	873	88	785	921	75	846	943	45	898	924	-	924
			Coverage (%)	66%	43%	73%	67%	37%	78%	69%	31%	84%	71%	24%	90%	69%	18%	92%	66%	9%	94%	61%	0%	94%
			Water Demand (MCM/year)	6.25	0.95	5.30	7.86	1.11	6.76	9.63	1.17	8.46	11.47	1.16	10.31	12.78	1.04	11.74	13.43	0.64	12.79	13.48	-	13.48
		Total	Pop. Served	635	140	495	780	191	590	938	245	693	1,104	308	796	1,234	376	857	1,350	441	910	1,436	501	935
			Coverage (%)	74%	69%	75%	78%	75%	79%	84%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	11.02	4.90	6.12	16.03	8.43	7.60	22.34	13.01	9.33	30.14	18.93	11.21	38.75	26.09	12.66	48.15	34.42	13.73	58.35	43.89	14.45
	Sarangani		Population	367	110	257	395	118	276	472	142	330	550	165	385	616	185	431	679	204	475	741	222	519
		I-III	Pop. Served	3	3	-	21	21	-	47	47	-	81	81	-	119	119	-	162	162	-	211	211	-
			Coverage (%)	1%	3%	0%	5%	18%	0%	10%	34%	0%	15%	49%	0%	19%	64%	0%	24%	80%	0%	29%	95%	0%
			Water demand (MCM/year)	0.11	0.11	-	0.92	0.92	-	2.36	2.36	-	4.57	4.57	-	7.52	7.52	-	11.39	11.39	-	16.26	16.26	-
		I-I, II	Pop. served	260	73	188	286	67	218	347	66	281	410	60	351	448	48	401	479	27	452	493	-	493
			Coverage (%)	71%	66%	73%	72%	57%	79%	73%	46%	85%	75%	36%	91%	73%	26%	93%	71%	13%	95%	67%	0%	95%
			Water Demand (MCM/year)	2.85	0.80	2.05	3.34	0.79	2.55	4.30	0.82	3.49	5.39	0.78	4.61	6.22	0.66	5.56	6.82	0.39	6.43	7.19	-	7.19
		Total	Pop. Served	264	76	188	307	89	218	394	113	281	491	140	351	567	166	401	641	190	452	704	211	493
			Coverage (%)	72%	69%	73%	78%	75%	79%	84%	80%	85%	89%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	2.96	0.91	2.05	4.26	1.71	2.55	6.66	3.18	3.49	9.96	5.35	4.61	13.75	8.18	5.56	18.21	11.76	6.43	23.45	16.26	7.19
	South Cotabato		Population	948	451	497	1,019	519	499	1,219	663	556	1,421	822	600	1,591	970	620	1,755	1,127	628	1,915	1,245	670
		I-III	Pop. Served	35	33	2	116	114	2	244	243	2	422	421	2	640	638	2	908	906	2	1,184	1,183	2
			Coverage (%)	4%	7%	0%	11%	22%	0%	20%	37%	0%	30%	51%	0%	40%	66%	0%	52%	80%	0%	62%	95%	0%
			Water demand (MCM/year)	2.14	2.03	0.11	7.38	7.27	0.12	16.21	16.09	0.12	29.14	29.01	0.13	45.88	45.75	0.13	67.49	67.35	0.14	91.21	91.07	0.14
		I-I, II	Pop. served	639	278	361	668	275	392	759	288	471	822	278	544	810	235	575	737	142	595	635	-	635
			Coverage (%)	67%	62%	73%	66%	53%	79%	62%	43%	85%	58%	34%	91%	51%	15%	93%	42%	13%	95%	33%	0%	95%
			Water Demand (MCM/year)	7.00	3.05	3.95	7.80	3.22	4.58	9.41	3.57	5.84	10.80	3.65	7.15	11.24	3.26	7.98	10.49	2.02	8.47	9.27	-	9.27
		Total	Pop. Served	674	311	363	784	390	394	1,003	531	472	1,244	698	546	1,450	873	577	1,645	1,048	597	1,819	1,183	607
			Coverage (%)	71%	69%	73%	77%	75%	79%	82%	80%	85%	88%	85%	91%	91%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	9.14	5.08	4.06	15.18	10.48	4.70	25.62	19.66	5.96	39.94	32.66	7.27	57.12	49.01	8.11	77.98	69.37	8.61	100.48	91.07	9.41
	Sultan Kudarat		Population	617	210	407	675	250	425	755	303	451	835	360	475	908	416	492	972	467	504	1,026	514	512
		I-III	Pop. Served	18	13	5	57	52	5	114	108	5	187	182	5	277	272	5	380	375	5	484	488	5
			Coverage (%)	3%	6%	1%	9%	21%	1%	15%	36%	1%	22%	50%	1%	31%	65%	1%	39%	80%	1%	48%	95%	1%
			Water demand (MCM/year)	1.11	0.78	0.33	3.71	3.36	0.34	7.61	7.25	0.36	13.01	12.63	0.37	19.96	19.57	0.38	28.32	27.92	0.40	38.02	37.61	0.41
		I-I, II	Pop. served	428	132	296	464	136	328	513	135	378	551	124	427	555	103	453	534	60	474	481	-	481
			Coverage (%)	69%	63%	73%	69%	54%	78%	68%	44%	84%	66%	35%	90%	61%	25%	92%	55%	13%	94%	47%	0%	94%
			Water Demand (MCM/year)	4.69	1.45	3.24	5.42	1.58	3.84	6.37	1.67	4.70	7.24	1.63	5.61	7.70	1.42	6.28	7.60	0.85	6.74	7.02	-	7.02
		Total	Pop. Served	446	145	301	521	188	334	627	243	384	738	306	432	832	374	458	914	435	479	975	488	486
			Coverage (%)	72%	69%	74%	77%	75%	79%	83%	80%	85%	88%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	5.79	2.22	3.57	9.13	4.94	4.18	13.98	8.92	5.05	20.25	14.27	5.98	27.66	21.00	6.66	35.92	28.77	7.14	45.05	37.61	7.44
WRR-XII Total			Population (x 1,000)	4,909	1,701	3,208	5,479	2,004	3,395	6,246	2,608	3,636	6,995	3,179	3,816	7,649	3,740	3,909	8,244	4,295	3,949	8,777	4,778	3,999
		I-III	Pop. Served	252	233	18	590	572	18	1,081	1,063	18	1,742	1,724	18	2,553	2,535	18	3,513	3,495	18	4,557	4,539	18
			Coverage (%)	5%	14%	1%	11%	27%	1%	17%	41%	1%	25%	54%	0%	33%	66%	0%	43%	81%	0%	52%	95%	0%
			Water demand (MCM/year)	16	15	1	42	40	1	82	81	1	130	128	1	214	212	1	306	305	1	412	410	2
		I-I, II	Pop. served	3,281	941	2,341	3,635	991	2,663	4,095	1,023	3,072	4,433	979	3,455	4,448	831	3,617	4,233	499	3,733	3,781	-	3,781
			Coverage (%)	67%	55%	73%	67%	48%	78%	66%	39%	84%	63%	31%	91%	58%	22%	93%	51%	12%	95%	43%	0%	95%
			Water Demand (MCM/year)	36	10	26	43	12	31	51	13	38	58	13	45	62	12	50	60	7	53	55	-	55
		Total	Pop. Served	3,533	1,174	2,359	4,245	1,563	2,682	5,177	2,086	3,090	6,175	2,702	3,473	7,001	3,366	3,635	7,746	3,994	3,752	8,338	4,539	3,799
			Coverage (%)	72%	69%	74%	77%	75%	79%	83%	80%	85%	88%	85%	91%	92%	90%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	52	25	27	84	52	32	133	93	39	198	151	47	276	224	52	366	312	55	467	410	57
Grand Total			Population (x 1,000)	68,613	36,619	31,994	76,319	40,856	35,463	84,215	46,724	37,491	91,850	53,220	38,630	99,008	56,598	42,410	105,500	62,188	43,312	111,473	67,315	44,158
		I-III	Pop. Served	15,395	13,510	1,886	21,854	19,995	1,860	29,088	27,228	1,860	37,939	36,179	1,760	45,949	44,189	1,760	55,415	53,667	1,748	65,471	63,811	1,660
			Coverage (%)	22%	37%	0%	29%	49%	5%	35%	58%	5%	41%	68%	5%	46%	78%	4%	53%	86%	4%	59%	95%	4%
			Water demand (MCM/year)	1,589	1,448	141	2,245	2,103	142	2,948	2,802	146	3,818	3,675	144	4,656	4,508	148	5,562	5,412	150	6,701	6,554	147
		I-I, II	Pop. served	33,728	10,042	23,686	37,472	10,822	26,650	40,923	10,494	30,429	43,047	9,718	33,329	45,253	7,442	37,811	43,730	4,471	39,260	40,283	-	40,283
			Coverage (%)	49%	27%	70%	49%	26%	75%	59%	22%	81%	47%	18%	86%	46%	13%	89%	41%	7%	91%	36%	0%	91%
			Water Demand (MCM/year)	369	110	259	438	126	311	508	130	378	566	128	438	628	103	524	623	64	559	588	-	588
		Total	Pop. Served	49,123	23,551	25,572	59,326	30,816	28,510	70,011	37,722	32,289	80,986	45,896	35,090	91,203	51,632	39,571	99,146	58,138	41,008	105,754	63,811	41,943
			Coverage (%)	72%	64%	79%	78%	75%	80%	83%	81%	86%	88%	86%	91%	92%	91%	93%	94%	93%	95%	95%	95%	95%
			Water Demand (MCM/year)	1,958	1,558	400	2,683	2,230	453	3,456	2,932	524	4,384	3,802	582	5,283	4,611	672	6,185	5,476	709	7,289	6,554	735