

Water Utility	<p>METROPOLITAN WATERWORKS AND SEWERAGE SYSTEM</p> <p>Address : MWSS Building, Katipunan Road, Balara, Quezon City, Metro Manila, Philippines Telephone : (63-2) 922 2969; 922 3757 Fax : (63-2) 921 2887 E-mail : mwssoch@itextron.com Head : Orlando C. Hondrade, Administrator</p> <p>The Metropolitan Waterworks and Sewerage System (MWSS) is a government corporation organized in 1971 from what used to be Manila's waterworks authority that dates back to 1878. In 1997, water distribution came under the control of two private corporations under separate 25-year concession agreements with MWSS. The MWSS service area covers 13 cities and 24 municipalities of Metro Manila and two adjoining provinces with a total population of 12.6 million.</p>																																																																																																			
General Data About Water Utility	<p>Connections : 955,500 Staff : 4,177 Annual O&M Costs : US\$95,579,020 Annual Revenue : US\$78,522,080 Annual Capital Expenditure : US\$16,820,000 Source of Investment Funds : 100% concessionaires</p>																																																																																																			
Water Resources Management	<p>Almost all the water supply for Metro Manila comes from surface water, mainly from the Angat and Umiray rivers located in two provinces north and northeast of Metro Manila. The rest comes from deep wells serving the needs of the municipalities in the adjoining provinces within the MWSS service area. Future requirements can be met by water from the Kaliwa River, Kanan River and Laguna de Bay, a freshwater lake adjacent to Metro Manila. Additional water from groundwater sources is unlikely, because overpumping has resulted in saline intrusion and contamination of aquifers.</p>																																																																																																			
Tariff Structure	<table border="1"> <thead> <tr> <th rowspan="2">Category</th> <th colspan="2">Residential</th> <th colspan="2">Semi-Business</th> </tr> <tr> <th>P/month</th> <th>US\$/month</th> <th>P/month</th> <th>US\$/month</th> </tr> </thead> <tbody> <tr> <td>First 10 m³</td> <td>15.06</td> <td>0.293</td> <td>25.32</td> <td>0.493</td> </tr> <tr> <td></td> <th>P/m³</th> <th>US\$/m³</th> <th>P/m³</th> <th>US\$/m³</th> </tr> <tr> <td>Next 10 m³</td> <td>1.84</td> <td>0.036</td> <td>3.06</td> <td>0.060</td> </tr> <tr> <td>Next 20 m³</td> <td>3.49</td> <td>0.068</td> <td>3.80</td> <td>0.074</td> </tr> <tr> <td>Next 20 m³</td> <td>4.60</td> <td>0.089</td> <td>4.83</td> <td>0.094</td> </tr> <tr> <td>Next 20 m³</td> <td>5.37</td> <td>0.104</td> <td>5.62</td> <td>0.109</td> </tr> <tr> <td>Next 20 m³</td> <td>5.62</td> <td>0.109</td> <td>5.87</td> <td>0.114</td> </tr> <tr> <td>Next 50 m³</td> <td>5.87</td> <td>0.114</td> <td>6.13</td> <td>0.119</td> </tr> <tr> <td>Next 50 m³</td> <td>6.13</td> <td>0.119</td> <td>6.38</td> <td>0.124</td> </tr> <tr> <td>Over 200 m³</td> <td>6.38</td> <td>0.124</td> <td>8.65</td> <td>0.168</td> </tr> <tr> <th>Category</th> <th colspan="2">Business Group I</th> <th colspan="2">Business Group II</th> </tr> <tr> <td></td> <th>P/month</th> <th>US\$/month</th> <th>P/month</th> <th>US\$/month</th> </tr> <tr> <td>First 10 m³</td> <td>68.56</td> <td>1.334</td> <td>69.57</td> <td>1.354</td> </tr> <tr> <td></td> <th>P/m³</th> <th>US\$/m³</th> <th>P/m³</th> <th>US\$/m³</th> </tr> <tr> <td>Next 90 m³</td> <td>6.88</td> <td>0.134</td> <td>7.48</td> <td>0.146</td> </tr> <tr> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> </tr> <tr> <td>Next 500 m³</td> <td>7.64</td> <td>0.148</td> <td>9.00</td> <td>0.175</td> </tr> <tr> <td>Over 10,000 m³</td> <td>7.66</td> <td>0.149</td> <td>9.05</td> <td>0.176</td> </tr> </tbody> </table> <p><i>Notes:</i></p> <ol style="list-style-type: none"> 1. This tariff structure has been in effect since 1 January 2002. 2. Semi-business refers to small enterprises; Business Group I is mostly commercial; and Business Group II is mostly industrial. 3. The above tariff structure is for Manila Water Company, Inc. for the east zone. The west zone has a similar tariff structure and consumption blocks with tariffs of about 2.55 times the above values. 	Category	Residential		Semi-Business		P/month	US\$/month	P/month	US\$/month	First 10 m ³	15.06	0.293	25.32	0.493		P/m ³	US\$/m ³	P/m ³	US\$/m ³	Next 10 m ³	1.84	0.036	3.06	0.060	Next 20 m ³	3.49	0.068	3.80	0.074	Next 20 m ³	4.60	0.089	4.83	0.094	Next 20 m ³	5.37	0.104	5.62	0.109	Next 20 m ³	5.62	0.109	5.87	0.114	Next 50 m ³	5.87	0.114	6.13	0.119	Next 50 m ³	6.13	0.119	6.38	0.124	Over 200 m ³	6.38	0.124	8.65	0.168	Category	Business Group I		Business Group II			P/month	US\$/month	P/month	US\$/month	First 10 m ³	68.56	1.334	69.57	1.354		P/m ³	US\$/m ³	P/m ³	US\$/m ³	Next 90 m ³	6.88	0.134	7.48	0.146	:	:	:	:	:	Next 500 m ³	7.64	0.148	9.00	0.175	Over 10,000 m ³	7.66	0.149	9.05	0.176
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Policy and Regulation	<p>Economic regulation of Metro Manila's water supply is based on the concession agreement between MWSS and the two concessionaires and is lodged with the MWSS Regulatory Office. It allows standard tariff rates to be adjusted for inflation (annually), for extraordinary price adjustment (due to financial consequences of unforeseen events beyond the control of concessionaires), and for rate negotiation (every 5 years). The regulatory office also monitors the operations and customer service performance of the concessionaires for conformance with the terms of the concession agreements.</p>																																																																																																			
Wastewater and Sanitation	<p>Only about 7% of the population in the service area have access to the sewerage system. The existing system is very old and no significant improvement has been undertaken by MWSS in the last 10 years. Many households rely on individual septic tanks with effluents discharged to storm drains. For consumers connected to the MWSS system, the concessionaires offer regular septic tank desludging services and there are many private companies offering such services. Sewage is generally treated at the Dagat-Dagatan treatment facility near Manila Bay.</p>																																																																																																			