

Water Utility	<p>SEOUL METROPOLITAN GOVERNMENT (Office of Waterworks)</p> <p>Address : 27-1 Hap-dong, Seodaemun-gu, Seoul, Korea 120-030 Telephone : (82-2) 390 7332 Fax : (82-2) 362 3653 E-mail : admin@water.seoul.go.kr Head : Won Sei-Hoon, Assistant Mayor</p> <p>The Office of Waterworks is part of the Seoul Metropolitan Government and is responsible for water supply and distribution in the city of Seoul with a population of 10,330,000 people. The utility buys raw water from the Korea Water Resource Corporation. Source of the water is the Corporation's Paldang Reservoir on the Han River, upstream of the city.</p>																																																																																																																																																									
General Data About Water Utility	<p>Connections : 2,144,000 Staff : 2,923 Annual O&M Costs : US\$308,350,000 Annual Revenue : US\$538,320,000 Annual Capital Expenditure : US\$214,700,000 Source of Investment Funds : 83% tariff; 9% grant; 8% loan</p>																																																																																																																																																									
Water Resources Management	<p>Seoul depends entirely for its drinking, industrial, and agricultural water supply on the Han River that passes through the city. However, upstream urban activities and livestock farm wastes are degrading the water quality. The Ministry of Environment imposed land-use restrictions in the upstream watershed to protect water quality in the river. However, upstream residents have to be compensated for economic losses because of lower crop production. Groundwater is used as another source but provides only about 3% of the water requirement of the city. The city government has instituted laws on water conservation including water recycling, use of rainwater, and adopting appropriate water quality criteria for recycled water for various uses.</p>																																																																																																																																																									
Tariff Structure	<table border="1"> <thead> <tr> <th colspan="3">Base Rate</th> <th colspan="8">Usage Rate/m³</th> </tr> <tr> <th rowspan="2">Diameter (mm)</th> <th colspan="2"></th> <th rowspan="2">Volume (m³)</th> <th colspan="2">Residential</th> <th colspan="2">Business</th> <th colspan="2">Commercial</th> <th colspan="2">Public Bath</th> </tr> <tr> <th>W</th> <th>US\$</th> <th>W</th> <th>US\$</th> <th>W</th> <th>US\$</th> <th>W</th> <th>US\$</th> <th>W</th> <th>US\$</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>1,080</td> <td>0.82</td> <td>0-30</td> <td>320</td> <td>0.244</td> <td>470</td> <td>0.358</td> <td>800</td> <td>0.609</td> <td>270</td> <td>0.206</td> </tr> <tr> <td>20</td> <td>3,000</td> <td>2.28</td> <td>31-40</td> <td>510</td> <td>0.388</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> </tr> <tr> <td>25</td> <td>5,200</td> <td>3.96</td> <td>41-50</td> <td>570</td> <td>0.434</td> <td>470</td> <td>0.358</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> </tr> <tr> <td>32</td> <td>9,400</td> <td>7.15</td> <td>51-100</td> <td>790</td> <td>0.601</td> <td>600</td> <td>0.457</td> <td>800</td> <td>0.609</td> <td>:</td> <td>:</td> </tr> <tr> <td>40</td> <td>16,000</td> <td>12.18</td> <td>101-200</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td>900</td> <td>0.685</td> <td>:</td> <td>:</td> </tr> <tr> <td>50</td> <td>25,000</td> <td>19.03</td> <td>201-300</td> <td>:</td> <td>:</td> <td>600</td> <td>0.457</td> <td>1,100</td> <td>0.837</td> <td>:</td> <td>:</td> </tr> <tr> <td>65</td> <td>38,900</td> <td>29.62</td> <td>301-500</td> <td>:</td> <td>:</td> <td>680</td> <td>0.518</td> <td>:</td> <td>:</td> <td>270</td> <td>0.206</td> </tr> <tr> <td>75</td> <td>52,300</td> <td>39.82</td> <td>501-1,000</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td>1,100</td> <td>0.837</td> <td>320</td> <td>0.244</td> </tr> <tr> <td>:</td> <td>:</td> <td>:</td> <td>1,001-2,000</td> <td>:</td> <td>:</td> <td>:</td> <td>:</td> <td>1,260</td> <td>0.959</td> <td>320</td> <td>0.244</td> </tr> <tr> <td>400 +</td> <td>615,000</td> <td>468.21</td> <td>Over 2,000</td> <td>790</td> <td>0.601</td> <td>680</td> <td>0.518</td> <td>1,260</td> <td>0.959</td> <td>430</td> <td>0.327</td> </tr> </tbody> </table> <p><i>Notes:</i></p> <ol style="list-style-type: none"> Households that use less than 10 m³ per month are charged W190/m³ (US\$0.146/m³). All consumers pay on metered use. They are billed monthly, except residential users who are billed bimonthly. Bills are settled through online payment. The fee for 13 mm connection is about US\$850. The water bill includes a 35% sewerage surcharge. 	Base Rate			Usage Rate/m ³								Diameter (mm)			Volume (m ³)	Residential		Business		Commercial		Public Bath		W	US\$	W	US\$	W	US\$	W	US\$	W	US\$	13	1,080	0.82	0-30	320	0.244	470	0.358	800	0.609	270	0.206	20	3,000	2.28	31-40	510	0.388	:	:	:	:	:	:	25	5,200	3.96	41-50	570	0.434	470	0.358	:	:	:	:	32	9,400	7.15	51-100	790	0.601	600	0.457	800	0.609	:	:	40	16,000	12.18	101-200	:	:	:	:	900	0.685	:	:	50	25,000	19.03	201-300	:	:	600	0.457	1,100	0.837	:	:	65	38,900	29.62	301-500	:	:	680	0.518	:	:	270	0.206	75	52,300	39.82	501-1,000	:	:	:	:	1,100	0.837	320	0.244	:	:	:	1,001-2,000	:	:	:	:	1,260	0.959	320	0.244	400 +	615,000	468.21	Over 2,000	790	0.601	680	0.518	1,260	0.959	430	0.327
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Policy and Regulation	<p>The Waterworks Law designated the Ministry of Environment to be responsible for licensing waterworks activities, such as those of local governments and the Korea Water Resources Corporation. Water tariffs have to be approved by the Ministry of Budget and Economy and then passed by the local assembly to balance them with rates of other utilities, such as gas, electricity, and gasoline. Because local governments are independent of central government and other administrative structures, Seoul's waterworks are self-regulated. However, the Board of Audit and Inspection monitors management performance. The Internet has enhanced the transparency of the city administration; its homepage gives information on source and tap water quality, annual financial budget, waterworks office structure, construction bids, and contracts.</p>																																																																																																																																																									
Wastewater and Sanitation	<p>Sewerage coverage among Seoul's population is 98.5%; only those in remote mountains and valleys are not connected to sewer lines. Sewers are combined with the drainage system. Treated wastewater is discharged into the Han River. Sludge generated at the sewage treatment plants is disposed of in landfills. The city government spent about US\$1.11 billion during 1997-2001 to rehabilitate its sewerage treatment plants.</p>																																																																																																																																																									