

ASEAN IWRM PERFORMANCE REPORTS & MONITORING INDICATORS

Singapore Summary Report (Water Supply Management)

IWRM Issue 1 - Water Supply Management (34 indicators)			
Indicator Types	Indicators	2010	2013
Outcome Indicators	1. Percentage of population having access to piped drinking water	100 %	100 %
	2. Percentage of water delivered to customer meeting WHO guidelines for drinking water quality	100 %	100 %
	3. Average hour of water supplied/day	24 hr/day	24 hr/day
	4. Per capita domestic water consumption	154 l/c/day	151 l/c/day
	5. Percentage of water supply metered	100 %	100 %
	6. Percentage of UFW/NRW	5.2 %	5.2 %
EE Indicators	1. Any "Policy" on water supply management	8	8
	2. Any "Legislation/Regulations" on water supply distribution management	8	8
	3. Any "Legislation/Regulations" on water supply quality management	8	8
	4. Any "Legislation/Regulations" on water conservation management	8	8
	5. Any "Financial framework and Financing plans" for development of water supply	8	8
	6. Any "Operator business plan" (Annual Budget, Manpower resource plan, etc.)	8	8
IS Indicators	1. Any water supply planning and policy department	8	8
	2. Any water supply quality office, water testing lab, water sampling team	8	8
	3. Any water supply operation centre	8	8
	4. Any water conservation unit	8	8
	5. Any water meter management unit	8	8
	6. Any customer account/meter reading/billing unit	8	8
	7. Any water meter workshop	8	8
	8. Any water leak detection unit	8	8
	9. Any 24-hr water supply call centre	8	8
	10. Any water supply network maintenance unit	8	8
	11. Any water supply meter management unit	8	8
	12. Any water supply EMI unit	8	8

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MT Indicators	1. Any short and long term water demand projection and infrastructure development plan	8	8
	2. Any water safety plan – e.g. water sampling programme, water testing lab, real time monitoring of water quality at water treatment plants and service reservoirs	8	8
	3. Any water supply pressure monitoring system – e.g. pressure sensor/ monitoring in network, flow and level monitoring at service reservoirs, waterworks outputs	8	8
	4. Any water conservation plan – e.g. water saving measures, public education programme	8	8
	5. Any water supply meter installation plan – e.g. all new premises must be metered	8	8
	6. Any monitoring of water treatment plant output meters – e.g. all are metered and the meters are checked periodically	8	8
	7. Any water meter management system – e.g. comply with ISO/EU standard, error check system, meter replacement programme, meter repair and testing facilities	8	8
	8. Any water supply network record /mapping system, network asset management and pipeline replacement/ renewal programme	8	8
	9. Any water supply leak detection programme	8	8
	10. Any 24-hour Call Centre and Operation Centre for feedback on leak and deployment of crew for repair	8	8