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MINISTRY OF THE ENVIRONMENT AND WATER RESOURCES

OVERVIEW

Mission Statement

To ensure a clean, sustainable environment and water supply for Singapore.

FY2014 EXPENDITURE ESTIMATES

Expenditure Estimates by Object Class

Code	Object Class	Actual FY2012	Estimated FY2013	Revised FY2013	Estimated FY2014	Change over FY2013	
	TOTAL EXPENDITURE	\$1,164,915,464	\$1,287,027,100	\$1,280,340,100	\$1,449,057,500	\$168,717,400	13.2%
	Main Estimates						
	OPERATING EXPENDITURE	\$812,652,393	\$959,180,600	\$956,813,800	\$1,033,389,600	\$76,575,800	8.0%
	RUNNING COSTS	\$792,161,890	\$920,469,500	\$917,378,300	\$1,011,100,600	\$93,722,300	10.2%
	Expenditure on Manpower	\$16,155,730	\$17,324,300	\$17,634,700	\$18,138,200	\$503,500	2.9%
1200	Political Appointments	785,416	1,122,000	1,037,700	962,100	-75,600	-7.3
1500	Permanent Staff	15,360,263	16,179,300	16,574,000	17,153,100	579,100	3.5
1600	Temporary, Daily-Rated & Other Staff	10,050	23,000	23,000	23,000	0	0.0
	Other Operating Expenditure	\$22,867,186	\$15,906,500	\$14,074,500	\$15,049,000	\$974,500	6.9%
2100	Consumption of Products & Services	19,515,058	12,867,300	11,723,000	12,571,000	848,000	7.2
2300	Manpower Development	1,047,473	795,200	570,200	787,400	217,200	38.1
2400	International & Public Relations, Public Communications	2,253,156	2,181,700	1,721,300	1,630,600	-90,700	-5.3
2700	Asset Acquisition	51,499	62,300	60,000	60,000	0	0.0
	Grants, Subventions & Capital Injections to Organisations	\$753,138,974	\$887,238,700	\$885,669,100	\$977,913,400	\$92,244,300	10.4%
3100	Grants, Subventions & Capital Injections to Statutory Boards	753,138,974	887,238,700	885,669,100	977,913,400	92,244,300	10.4
	TRANSFERS	\$20,490,504	\$38,711,100	\$39,435,500	\$22,289,000	-\$17,146,500	-43.5%
3600	Transfers to Institutions & Organisations	16,979,867	33,800,000	34,524,400	16,638,800	-17,885,600	-51.8
3800	International Organisations & Overseas Development Assistance	3,510,637	4,911,100	4,911,100	5,650,200	739,100	15.0

Code	Object Class	Actual FY2012	Estimated FY2013	Revised FY2013	Estimated FY2014	Change over FY2013	
	Development Estimates						
	DEVELOPMENT EXPENDITURE	\$352,263,071	\$327,846,500	\$323,526,300	\$415,667,900	\$92,141,600	28.5%
5100	Government Development	345,558,967	313,842,200	308,800,600	401,840,800	93,040,200	30.1
5200	Grants & Capital Injections to Organisations	6,704,104	14,004,300	14,725,700	13,827,100	-898,600	-6.1

Establishment List

Category/Personnel	Actual FY2012	Estimated FY2013	Revised FY2013	Estimated FY2014
POLITICAL APPOINTMENTS	2	2	2	2
Minister	2	2	2	2
PERMANENT STAFF	143	143	141	143
Accounting Profession (2008)	1	1	1	1
Administrative	8	8	8	8
Corporate Support	22	22	22	22
Information Service (2008)	2	2	2	2
Management Executive Scheme (2008)	95	95	93	95
Management Support Scheme (2008)	9	9	9	9
Operations Support	3	3	3	3
Shorthand Writers	3	3	3	3
OTHERS	4,363	4,536	4,383	4,553
National Environment Agency	4,071	4,234	4,103	4,251
Public Utilities Board	292	302	280	302
TOTAL	4,508	4,681	4,526	4,698

FY2013 BUDGET

The Ministry of the Environment and Water Resources (MEWR)'s revised FY2013 total expenditure is \$1.28 billion. This is an increase of \$115.42 million or 9.9% higher than the actual FY2012 expenditure. Of the total expenditure, \$956.81 million or 74.7% is for operating expenditure and \$323.53 million or 25.3% is for development expenditure.

Operating Expenditure

The revised FY2013 operating expenditure of \$956.81 million is \$144.16 million or 17.7% higher than the actual FY2012 sum of \$812.65 million. This increase is largely due to higher expenditure for increase in strategic costs of potable water operations, increased operating cost and expanded work scope in environmental services.

Development Expenditure

The revised FY2013 development expenditure of \$323.53 million is \$28.73 million or 8.2% lower than the actual FY2012 sum of \$352.26 million.

FY2014 BUDGET

The total expenditure of MEWR in FY2014 is projected to be \$1.45 billion, an increase of \$168.72 million or 13.2% above the revised FY2013 expenditure. Of the total expenditure, \$1,033.39 million or 71.3% is for operating expenditure and \$415.67 million or 28.7% is for development expenditure.

Operating Expenditure

The provision of \$1,033.39 million for operating expenditure represents an increase of \$76.58 million or 8.0% above the revised FY2013 expenditure. Out of the total operating expenditure, \$1,011.10 million or 97.8% is for running costs and \$22.29 million or 2.2% is for transfers.

The major share of the operating budget, \$697.22 million (67.5%) will go towards the National Environment Agency Programme. This is followed by the Public Utilities Board Programme which will take up \$282.02 million (27.3%) and the Administration Programme with \$54.15 million (5.2%).

National Environment Agency Programme

The National Environment Agency (NEA) aims to promote and maintain a sustainable clean and healthy environment for Singapore.

For FY2014, NEA is allocated an operating grant of \$697.22 million. This grant is mainly for the implementation of key programmes to ensure that Singapore continues to have clean air, clean land, clean water and a high standard of public health, in partnership with the people, private and public (3P) sectors.

NEA will ensure a high standard of public health, by keeping public areas free of litter through the management of public area cleaning contracts and enforcement against littering and smoking. Vector and food-borne diseases will be kept under control through comprehensive ground surveillance and appropriate preventive measures as well as vector research. NEA will also continue to operate hawker centres and build new ones, to provide affordable and hygienic food.

To sustain a clean living environment, NEA will continue to prevent and control pollution through proper siting and planning control of industries, setting high environmental standards, stringent enforcement, and monitoring the ambient air and coastal water quality. NEA will also mitigate noise pollution from industrial and construction activities to provide a quieter living environment for residents.

In the area of waste management, NEA will continue to play a leading role in ensuring the efficient disposal of waste at incineration plants and landfill facility, as well as promoting reduction, re-use and recycling of waste in the various sectors. NEA will also promote energy and other resource efficiency and conservation in the household, industrial and commercial sectors.

NEA will provide timely meteorological services and contribute toward strengthening Singapore's climate resilience by producing long-term climate projections for our agencies to use in developing climate change adaptation plans.

Public Utilities Board Programme

The Public Utilities Board (PUB) aims to secure an efficient, adequate and sustainable supply of water. For FY2014, PUB is allocated an operating grant of \$282.02 million mainly for the operations and maintenance of drainage systems, the Active, Beautiful, Clean (ABC) Waters and water infrastructure projects.

Development Expenditure

Development expenditure in FY2014 is expected to be \$415.67 million, an increase of \$92.14 million or 28.5% above the revised FY2013 figure of \$323.53 million.

The major drainage projects to be funded in FY2014 are Improvement to Old Roadside Drains [FY2010-FY2014] (\$70.02 million), Improvement to Bukit Timah First Diversion Canal (\$34.65 million), Proposed Diversion Canal and Detention Tank to Enhance Flood Protection of Stamford Canal Catchment (\$19.71 million) and Improvement to Old Roadside Drains – Batch 7 of Estate Upgrading Programme (\$18.99 million).

The major sewerage projects to be funded in FY2014 are Rehabilitation of Sewerage Network System Phase 4 (\$32.04 million); Sewerage Schemes to Serve Developments in Jurong Eastern Catchment and Jurong Lake District; and Phasing Out of Jalan Bahar, Corporation, Jurong West and International Pumping Stations (\$29.10 million), Sewer Schemes to Serve Marina South and Pasir Ris/Tampines Areas and Phase out Nee Soon Pumping Station (\$17.10 million).

The major NEA projects to be funded in FY2014 are the construction of hawker centres (\$22.63 million), consultancy and development of Semakau Landfill Phase II (\$25.15 million) and 5-year programme for the redevelopment of Choa Chu Kang (\$20 million).

Total Expenditure by Programme

Code	Programme	Running Costs	Transfers	Operating Expenditure	Development Expenditure	Total Expenditure
LA	Administration	33,187,200	20,967,600	54,154,800	2,940,000	57,094,800
LG	Public Utilities Board	282,018,100	0	282,018,100	311,452,000	593,470,100
LH	National Environment Agency	695,895,300	1,321,400	697,216,700	101,275,900	798,492,600
Total		\$1,011,100,600	\$22,289,000	\$1,033,389,600	\$415,667,900	\$1,449,057,500

Development Expenditure by Project

Project Title	Total Project Cost	Actual Expenditure up to end of FY2011	Actual FY2012	Estimated FY2013	Revised FY2013	Estimated FY2014
DEVELOPMENT EXPENDITURE	...	...	\$352,263,071	\$327,846,500	\$323,526,300	\$415,667,900
<i>GOVERNMENT DEVELOPMENT</i>	...	...	<i>345,558,967</i>	<i>313,842,200</i>	<i>308,800,600</i>	<i>401,840,800</i>
Administration Programme						
Minor Development Projects	...	...	2,475,408	1,398,500	1,716,300	2,940,000
Public Utilities Board Programme						
Improvement to Bukit Timah First Diversion Canal	177,600,000	17,079,479	16,710,401	23,800,000	28,800,000	34,650,900
Improvement to Outlet Drain from Sin Ming Road to Braddell Road	26,089,000	6,825,355	6,996,194	3,230,000	3,230,000	1,080,000
Improvement to Tanglin Halt Outlet Drain	56,700,000	39,493,797	22,532	425,000	425,000	1,980,000
Improvement to Aljunied Road Outlet Drain	4,970,000	1,918,753	1,720	510,000	1,280,000	724,500
Upgrading of Pumping Installations	16,000,000	8,523,844	1,019,613	2,082,500	2,082,500	1,800,000
Construction of a Barrage Across Marina Channel	277,000,000	267,919,704	800,866	85,000	85,000	90,000
Relief Sewers for MacPherson Area	4,800,000	2,403,713	0	42,500	10,000	90,000
Relief Sewers within Marina Reservoir Catchment	8,000,000	4,924,434	0	42,500	3,000	90,000
Improvement to Old Roadside Drains 5-Year Programme FY2006-FY2010	138,000,000	127,536,016	1,856,873	1,700,000	1,700,000	843,300
New Projects	...	...	0	15,517,200	50,000	6,313,500
Improvement to Geylang River Phase 1 - From Dunman Road to Guillemard Road	49,700,000	22,420,164	12,181,457	773,500	773,500	90,000
Sewer Schemes to serve Marina South & Pasir Ris/Tampines Areas & Phase out Nee Soon Pumping Station	253,700,000	93,204,226	43,441,193	35,700,000	58,200,000	17,100,000
Improvement to 3 Outlet Drains in Eastern Singapore	24,200,000	12,068,792	253,339	170,000	1,097,000	2,338,200
Improvement to 4 Outlet Drains in Central Singapore	30,200,000	12,912,935	2,066,903	85,000	585,000	450,000
Improvement to Geylang River Phase 2	36,000,000	72,343	4,481,960	5,100,000	4,100,000	4,500,000
Rehabilitation of Sewerage Network System Phase 4	395,000,000	181,752,518	33,327,120	28,900,000	32,000,000	32,040,000
Relief and Replacement Sewers for Jalan Senang, Siglap and Jalan Leban Areas	4,500,000	2,713,031	85,001	900	36,900	153,000
Sewer Extension to Phase Out Sewage Treatment Plants Phase 1	29,000,000	16,028,545	1,912,299	2,600	80,000	1,800
Minor Development Projects	...	...	2,066,358	0	658,400	1,251,000

Project Title	Total Project Cost	Actual Expenditure up to end of FY2011	Actual FY2012	Estimated FY2013	Revised FY2013	Estimated FY2014
Improvement to Drains at Benoi Sector Area	11,800,000	1,893,007	3,833,368	170,000	535,000	7,200
Improvement to Rochor Canal (between Jalan Besar and Crawford Street)	42,000,000	8,647,322	14,741,006	10,200,000	10,200,000	1,998,900
Sewer Extensions to Phase Out Sewage Treatment Plants Phase 2	47,800,000	9,856,660	3,752,199	1,275,000	775,000	540,000
Improvement to Drains in Syed Alwi Road Area	27,200,000	5,961,814	7,808,268	2,550,000	2,730,000	2,457,000
Relief Sewers at Lavender Street Area, Serangoon Central Area and Kaki Bukit Area	31,500,000	6,673,357	6,292,095	3,060,000	2,360,000	360,000
Sewerage Improvement at Jalan Terusan Area	14,000,000	591,065	3,236,306	850,000	350,000	90,000
Sewerage Development at Jurong Eastern Catchment and Jurong Lake District	230,000,000	7,219,880	53,758,372	39,270,000	35,270,000	29,095,200
Improvement to Roadside Drains in Batch 6 of the Estate Upgrading Programme	80,000,000	8,634,001	22,774,262	17,102,000	17,102,000	1,740,600
Improvement to Old Roadside Drains 5 Year Programme (FY2010-FY2014)	303,800,000	23,302,108	45,549,701	55,268,100	55,268,100	70,020,000
Expansion of Sewerage Network in International Road and Telok Blangah Road Area	31,900,000	294,653	491,380	3,145,000	3,145,000	4,050,000
Expansion of Sewerage Network in Geylang, Jalan Wangi, Woodlands Industrial Park	16,123,800	11,960	367,422	850,000	78,000	1,170,000
Sewer Network for Changi East Area	49,677,400	97,616	52,544	850,000	0	45,000
Expansion of Sewerage Networks in the Bukit Batok Road and Wan Lee Road/Enterprise Road/ Kian Teck Lane Areas	45,186,700	10,118	286,317	1,870,000	550,000	7,560,000
Expansion of Sewerage Networks in Siglap Road, Whampoa East/Towner Road and Kaki Bukit Areas and Upgrading of Mugliston	21,397,900	22,848	142,979	1,742,500	60,000	1,215,000
Expansion of Sewerage Networks in Jalan Rajah/ Sungei Whampoa area	13,700,000	6,909	83,761	467,500	207,500	4,230,000
Improvement to Old Roadside Drains - Batch 7 of Estate Upgrading Programme	67,300,000	0	65,168	11,900,000	5,000,000	18,990,000
Proposed Expansion of Sewerage Network in Mandai Road Area	30,000,000	0	25,644	442,000	220,000	782,000
Proposed Expansion of Sewerage Network in Kranji Area	30,400,000	0	23,099	297,500	200,000	1,100,200
Impr to Alexandra canal subsidiary drain F (Between Tiong Bahru Rd and Havelock Rd)	27,400,000	0	0	425,000	330,000	1,395,000
Proposed Preliminary Study for Cairnhill Road Sewer Expansion	362,000	0	0	63,800	5,000	72,000
Expansion of Sewerage Networks in Bedok Reservoir and Changi Business Park Areas	23,400,000	0	0	266,900	266,900	607,500
Expansion of Sewerage Networks in Mugliston Park,Buangkok Link and Ang Mo Kio Ave 5 Areas	69,700,000	0	0	127,500	127,500	1,377,000
Rehab Stamford Canal(Napier road to Marina Reservoir) and lining of Stamford Canal(6M wide south section from Cuscaden road to Cairnhill road)	1,700,000	0	0	170,000	200,000	1,080,000
Proposed Diversion Canal and Detention Tank to enhance flood protection of Stamford Canal Catchment	306,400,000	0	0	1,200,000	2,975,000	19,710,000
Expansion of Sewerage Networks in Marina Central Area	17,900,000	0	0	42,500	42,500	900,000

Project Title	Total Project Cost	Actual Expenditure up to end of FY2011	Actual FY2012	Estimated FY2013	Revised FY2013	Estimated FY2014
Proposed renewal of equipment and upgrading of used water pumping installations	14,770,000	0	0	42,500	42,500	3,060,000
Proposed expansion of sewerage networks in Tagore drive, Mandai Quarry road and Lorong Lada Hitam areas	61,100,000	0	0	0	120,000	4,590,000
Improvement to Siglap canal (Between East Coast Parkway and the sea)	21,400,000	0	0	0	0	1,620,000
Expansion of sewerage networks in Tanah Merah Kechil area	4,840,000	0	0	0	45,000	90,000
Proposed 3rd pumping main for Choa Chu Kang pumping station	9,290,000	0	0	0	42,500	270,000
Expansion of sewerage networks in Lorong Lew Lian and Potong Pasir avenue 3 areas	10,710,000	0	0	0	40,000	90,000
Expansion of sewerage networks in Bishan st 11 and Bishan st 13 areas	14,760,000	0	0	0	45,000	90,000
Expansion of sewerage networks in Amber road, Meyer road and Playfair road areas	17,770,000	0	0	0	100,000	180,000
Expansion of sewerage networks in Yishun avenue 7, Sembawang road and Gambas avenue areas	39,300,000	0	0	0	42,500	360,000
Implementation of 16 projects under Phase 2 of Active, Beautiful and Clean Waters (ABC WATERS) Programme	20,736,601	0	0	0	44,000	113,400
Enhancement of Leachate control measures for Lorong Halus Landfill	4,650,000	0	0	0	0	4,185,000
Construction services for drainage improvement works at Cashew MRT station (Downtown line contract 2)	9,300,000	0	0	0	0	418,500
Proposed expansion of sewerage networks in Clementi Avenue 4 and Clementi Avenue 6 areas	9,930,000	0	0	0	0	90,000
Expansion of sewerage networks in Cuppage road and Koek road areas	6,210,000	0	0	0	0	450,000
Engagement of consultant for review of Marina Barrage Upgrading plan and revamp of MB Gallery	1,000,000	0	0	0	112,500	438,800
Engineering services for the improvement of Kallang River between Bishan road and Braddell road	8,520,000	0	0	0	0	1,701,000
Expansion of sewerage networks in Sembawang road and Sembawang avenue areas	41,877,000	0	0	0	0	306,000
Expansion of sewerage networks in Tuas avenue 2 and Tuas avenue 10 areas	36,722,000	0	0	0	0	270,000
Engrg Svcs for Impr of Bedok Canal (Bet Upp Changi rd East and Bedok Junction and bet East Coast Parkway and the Sea	8,300,000	0	0	0	0	180,000
Proposed expansion of sewerage networks in Sophia road and Middle road areas	3,410,000	0	0	0	0	45,000
Proposed expansion of sewerage networks in Cairnhill Circle and Newton Circus areas	8,341,000	0	0	0	0	114,300
Improvement to four outlet drains in Singapore	61,200,000	0	0	0	0	450,000
DTSS Phase 2-Engineering services for feasibility study/Preliminary design and programme management	53,200,000	0	0	0	1,000,000	2,610,000
Impr to Sungei Pandan Kechil-Temp replacement of Pedestrian bridge and Vehicular bridge and temp tidal gate	61,400,000	0	0	0	0	4,500,000
Engineering Services for 5th Roadside Drains Improvement Programme	11,400,000	0	0	0	0	837,000

Project Title	Total Project Cost	Actual Expenditure up to end of FY2011	Actual FY2012	Estimated FY2013	Revised FY2013	Estimated FY2014
Expansion of sewerage networks in Leonie Hill road and River Valley road	14,550,000	0	0	0	0	9,000
Proposed expansion of sewerage networks in Tuas View Square area	6,620,000	0	0	0	0	45,000
Proposed expansion of sewerage networks in St Michael's road and St. Francis road area	4,320,000	0	0	0	0	900
Improvement to old roadside drains in batch 8 of the estate upgrading programme	74,500,000	0	0	0	0	1,260,000
Reconstruction of Alexandra Canal Phase 1	104,200,000	63,149,187	18,158,187	13,600,000	7,751,600	4,050,000
Punggol Town Sewerage Scheme	90,000,000	57,416,240	3,142,296	900	300,000	8,100
Collector Drains 2 at Changi East Reclamation - Area "A"	98,000,000	19,004,704	60,038	425,000	0	2,700,000
Deep Tunnel Sewerage System Phase 1	3,584,000,000	3,293,905,023	764,603	5,800	5,800	6,200
5-Year Sewerage Programme FY1994-FY1998	2,264,339,000	2,085,146,598	0	0	0	135,000
National Environment Agency Programme						
Minor Development Projects	...	...	405,713	799,400	1,661,700	2,751,500
New Projects	...	...	0	8,310,000	212,600	11,916,500
Consultancy Services for the Development of Semakau Landfill Phase 2	8,000,000	206,063	35,063	494,000	947,800	932,300
5-Year Programme(FY2011 - 2015) for the Redevelopment of Chua Chu Kang Cemetery	40,230,700	12,893,116	5,570,297	14,900,000	10,145,100	20,000,000
Devt of new Hawker Centre at Tampines Town Hub co-located with PA(lead) and other public agencies	14,488,000	0	0	0	1,080,000	4,118,000
Devt of new Hawker centre in Hougang housing estate co-located with PA (lead) and other govt agencies	13,435,000	0	0	0	700,400	6,500,000
Development of Semakau Landfill Phase II	37,400,000	0	0	0	2,860,400	24,219,000
Development of new market/hawker centre in Bukit Panjang housing estate	38,235,000	0	0	0	2,086,000	12,011,500
Consultancy service for road access feasibility studies to be conducted for the project site at Tuas View Basin	3,000,000	0	0	0	0	3,000,000
Consultancy service for co-location of Integrated Waste Management Facility(IWMF)with Tuas Water Reclamation Plant(TWRP)	2,000,000	0	0	0	0	2,000,000
Completed Projects	...	...	24,439,643	2,094,100	4,505,100	0
GRANTS & CAPITAL INJECTIONS TO ORGANISATIONS	...	...	6,704,104	14,004,300	14,725,700	13,827,100
National Environment Agency Programme						
Innovation For Environmental Sustainability (IES) Fund	...	12,123,105	396,148	256,000	117,000	300,500
Grant for Energy Efficient Technologies	22,000,000	2,273,957	2,112,164	5,700,000	4,402,900	4,700,000
Environment Technology Research Programme	21,000,000	2,389,086	2,880,162	3,248,300	3,462,900	3,526,600
Implementation of Enhanced Grant for Energy Efficient Technologies (GREET)	24,800,000	0	1,315,629	4,800,000	6,742,900	5,300,000

KEY PERFORMANCE INDICATORS

Desired Outcomes

- Clean & healthy environment
- Access to clean water
- Good environmental and water infrastructure and services
- Shared environmental ownership and values
- Long term resource sustainability
- Advancement of Singapore's environment and water strategic and economic interests

Key Performance Indicators

Desired Outcome	Performance Indicator	Actual FY2011	Actual FY2012	Revised FY2013 ¹	Estimated FY2014
Clean and healthy environment	% of days in a year where Pollutant Standard Index (PSI) is in the "Good" range ²	95.6	92.5	93.4	> 85
	No. of air pollution incidents per million population ²	2.0	1.5	0.4	< 5
	No. of water pollution incidents per million population ²	2.8	1.4	1.5	< 5
	No. of local dengue (Dengue Fever and Dengue Haemorrhagic Fever) cases per 100,000 population ²	98.3	82.7	405.4	<130
	No. of food outlet related food poisoning outbreaks per 1,000 food outlets ²	6.3	3.2 ³	3.5	3.5
Access to clean water	% of tests meeting World Health Organisation (WHO) drinking water quality guidelines ²	100	100	100	100
Good environmental and water infrastructure and services	Total domestic waste disposed of per capita (kg/day/person) ²	0.87	0.85	0.86	0.85
	Accuracy of 3-hourly Nowcast (%) ²	90.4	92.0	90.3	90
	% of Unaccounted-for-Water ²	4.96	4.71	5.20	<5.0 ⁴
	No. of leaks per 100km of potable water pipelines per year ²	6.6	6.2	5.6	6.0
	Size of flood prone area (ha) ⁵	48	40	36	34
	No. of sewerage service disruptions per 1,000 km of sewer maintained per month ⁵	14	12	12	15
Shared environmental ownership and values	Per capita domestic water consumption (litres/day) ²	153.0	151.7	151.0	150.4
Long term resource sustainability	Energy Consumption per dollar GDP: Improvement from 2005 levels (%) ²	17.7	22.3	NA ⁶	NA ⁷
	Recycling rate (%) ²	59	60	61	62
	Total non-domestic waste disposed of (tonnes per day / \$Bn GDP) ²	11.1	11.5	11.5	11.6

¹ Data for the "Revised FY2013" column refers to projected figures for FY2013.

² Data for this KPI is reported on a calendar year basis.

³ Data prior to 2012 included all food poisoning outbreaks that had reportedly occurred at NEA-licensed food establishments, whether or not these outbreaks were eventually linked to such establishments. To better reflect the actual situation, the data from 2012 onwards has excluded food poisoning outbreaks which could not be linked to NEA-licensed food establishments, following investigations. As such, data for 2011 is not comparable with that of 2012 onwards.

⁴ The target remains unchanged from previous years, but will be reflected as <5.0 to be consistent with the format for other KPI targets.

⁵ Data for this KPI will be reported on calendar year basis from FY2014 onwards.

⁶ Data for 2013 will be available in the second half of 2014. Energy consumption data are collected from many sources and require time to compile.

⁷ Given the dependency of energy intensity on GDP levels, and the uncertain GDP forecasts, it is difficult to make reasonable short term annual projections for energy intensity. However, under the Sustainable Singapore Blueprint, Singapore is committed to a 35% improvement in energy intensity from 2005 levels by 2030, with an intermediate target of 20% from 2005 levels by 2020.

Desired Outcome	Performance Indicator	Revised FY2013	Estimated FY2014
Advancement of Singapore's environment and water strategic and economic interests	Fulfil Singapore's obligations to regional and international environmental agreements and conventions ²	(i) Participated in the international negotiation committee sessions on mercury and signed the Minamata Convention on Mercury in Oct 2013, with a view to become a party to the Convention. (ii) Involved in the global sustainable development process in the follow up to the Rio+20 conference, including the 10 Year Framework Plan on Sustainable Consumption and Productions, the Sustainable Development Goals (SDG) and Post 2015 Development Agenda. (iii) Participated in regional actions towards addressing the transboundary haze issue.	(i) To continue participating in international platforms and negotiations to protect and uphold high environmental standards. (ii) To continue to be involved in the global sustainable development process in the follow up to the Rio+20 conference, including the 10 Year Framework Plan on Sustainable Consumption and Productions, the SDG and Post 2015 Development Agenda. (iii) To continue doing Singapore's part in the regional actions towards addressing the transboundary haze issue.
	Advance Singapore's environment and water strategic and economic interests through bilateral relations and regional/international initiatives ²	(i) Worked with other ASEAN and Sub-regional Ministerial Steering Committee (MSC) member States to promote efforts to ensure that companies adopt zero burning techniques in land clearing and introduced the ASEAN Haze Monitoring System. (ii) Promoted and enhanced environmental bilateral relations with key neighbouring countries through organising of annual bilateral meetings to reaffirm relations and address environmental issues of mutual and regional concern. (iii) Worked with Indonesia for continued bilateral collaboration at the provincial level, i.e. through Memorandum of Understanding (MOU) on cooperation in preventive efforts to reduce forest and land fires and transboundary haze pollution in Indonesia's fire-prone provinces.	(i) To leverage on the ASEAN platform to resolve the perennial transboundary haze issue, to exchange views on technical matters related to climate change, to promote environmentally sustainable cities in ASEAN, and to profile Singapore as a leader on water-related issues in ASEAN. (ii) To continue to enhance bilateral cooperation with Brunei, Indonesia and Malaysia under established platforms to advance Singapore's environmental interests of mutual and regional concern. (iii) To explore and follow up on various initiatives to establish closer collaboration with other countries. (iv) To continue pursuing concrete deliverables under the ASEAN Haze Agreement.