

Data Summary



Environmental Performance Resources Usage – Energy

	Units	2018	2017	2016	2015	2014
<i>Energy used at QGO and APB Centre</i>						
Electricity consumed	kWh/m ²	196	200	208	217	219
CO ₂ emission equivalent to electricity consumption	Tonnes CO ₂ -e	3,489	3,553	3,664	3,840	3,817
<i>Energy saved by projects</i>						
Estimated energy saved due to energy efficient installations ^[1]	GWh	0.76 ^[2]	4.44	5.74	5.16	0.79 ^[2]
Equivalent monetary savings ^[3]	HK\$ million	0.91 ^[2]	5.33	6.89	6.19	0.95 ^[2]
Avoided CO ₂ emissions ^[1]	Kilo Tonnes CO ₂ -e	0.53 ^[2]	3.11	4.02	3.61	0.55 ^[2]

[1] Energy efficient features refer to energy saving installation for air-conditioning systems, lighting systems, hot water systems, lift & escalator systems, building energy management system and renewable energy technologies.

[2] The nature of the completed projects (i.e. parks, open spaces, promenade, aqua privies, radar station, school and staff quarters etc.) in 2014 and 2018 did not warrant significant energy saving in term of BS installations.

[3] The electricity tariff is assumed to be HK\$ 1.2 per kWh from 2014 onward.

Resource Usage – Fuel

	Units	2018	2017	2016	2015	2014
Fuel consumption by ArchSD's pool cars	Litre	14,686	12,626	12,656	13,071	12,800
GHG emission equivalent to fuel consumption by ArchSD pool cars ^[4]	Tonnes CO ₂ -e	39.8	34.2	34.3	35.4	34.7

[4] GHG emission factors for mobile combustion are based on the Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for buildings (Commercial, Residential or Institutional Purpose) in Hong Kong issued by the Environmental Protection Department, HKSAR in February 2010.

Resource Usage – Office Materials

	Units	2018	2017	2016	2015	2014
A4 paper consumption	Reams	16,136	16,947	18,082	18,169	18,485
A3 paper consumption	Reams	1,124	1,020	1,169	1,171	1,118
Envelop consumption	No.	29,718	37,615	35,672	42,883	44,084

Waste Management in Programme Areas of Facilities Development and Upkeeping

	Units	2018	2017	2016	2015	2014
<i>Construction & demolition materials</i>						
C&D waste disposed of to landfills	Tonnes	57,571	44,891	36,775	46,822	37,593
C&D materials disposed of to public fill areas	Tonnes	679,910	518,946	543,054	693,029	604,238
<i>Recyclable waste collected at APB Centre</i>						
Waste paper	kg	12,094	15,579	15,717	15,932	19,522
Aluminium	No.	1,985	2,050	1,676	1,631	4,918

Environmental Convictions of Contractors

	Units	2018	2017	2016	2015	2014
Convictions per 100,000 man-hours	ArchSD sites (HK sites)	0.032 (0.192)	0.034 (0.216)	0.122 (0.191)	0 ^[5] (0.25)	0.35 (0.275)
Monetary value of significant fines	HK\$	25,000	5,000	100,000	0 ^[5]	227,000

[5] In 2015, most of the on-site projects were in the final stages of the construction, hence environmental impacts to the neighbourhood were manageable and contented.

Environmental Expenditure

	Units	2018	2017	2016	2015	2014
Resources devoted to environmental works ^[6]	HK\$ million	1,506.8	1,101.3	568.4	639.3	761.6
Percentage of annual expenditure	%	12.8	9.7	6.3	7.3	10.9

[6] Resources devoted to environmental works included the expenditures on environmental nature projects and associated personal emoluments and departmental charges, staff’s environmental training and works on maintaining environmental management system.

Social Performance^[7]

Staff

	Units	2018	2017	2016	2015	2014
Staff establishment (as at 31 December of the year)	No.	1,907	1,859	1,835	1,814	1,810

[7] Staff data is extracted from the records kept in the personnel section.

Staff Establishment Breakdown

By Post (based on staff establishment)		
Directorate grade staff	%	2
Professional grade staff	%	26
Technical grade staff	%	22

Site supervisory staff	%	30
General grade staff	%	20
By Employment Type^[8]		
Full-time	%	99.1
Part-time	%	0.9
By Employment Contract		
Permanent (male)	%	62.8
Permanent (female)	%	31.3
Contract (male)	%	3.7
Contract (female)	%	2.2
By Age (as at 31 March 2019)		
Age under 30	%	14
Age 30-49	%	48
Age 50 or above	%	38
By Ethnicity		
Local	%	100
Non-local	%	0
By Gender		
Male	%	67
Female	%	33

[8] The full-time and part-time staff have been included this year for better reflection of the actual staff breakdown.

Staff Training

	Units	2018	2017	2016	2015	2014
No. of training courses (including internal and external seminars/ workshops/ training courses/ visits)	No.	417	412	366	374	287
Numbers of trainees	No.	8,068	7,488	8,302	6,961	6,619

Training Hours Breakdown^[9]

Type of Staff	Total Training Hours Received (hours)	Training Hours Per Staff (hours)
Directorate grade staff	1,414	34
Professional grade staff	18,146	38
Technical grade, site supervisory and general grade staff	22,312	17
Total	41,872	22

[9] As there is no distinct requirement regarding receiving training in terms of gender, we do not report the data broken down by gender.

Anti-corruption Training

Type of Staff	Number of Staff Participated Anti-corruption Training	Percentage of Staff Participated Anti-corruption Training
Directorate grade staff	19	46.3%
Professional grade staff	88	18.2%
Technical grade, site supervisory and general grade staff	227	16.9%

Staff Turnover

	Male	Female
Age under 30	1.4% (27)	0.3% (5)
Age 30-50	1.9% (36)	0.7% (13)
Age 51-55	0.2% (3)	0% (0)
Age 56-60	4.7% (87)	0.8% (15)

New Employee Hires

	Male	Female
Age under 30	3.8% (70)	1.3% (24)
Age 30-50	4.0% (74)	1.4% (26)
Age 51-55	0.2% (4)	0.1% (2)
Age 56-60	0% (0)	0% (0)

Occupational Health and Safety Management System

	Number of all employees and workers ^[10]	Percentage of all employees and workers ^[10]
Covered by the system	117	5.9%
Covered by the system that has been internally audited	117	5.9%
Covered by the system that has been audited or certified by an external party	117	5.9%

[10] Workers refer to persons who are not employees but whose work and/or workplace is controlled by ArchSD. The contractors' staff, who are directly employed and controlled by the contractors, are excluded from this disclosure.

Staff Injury

	Units	2018	2017	2016	2015	2014
Staff injury cases ^[11]	No.	1 (Male: 1)	2 (Male: 1, Female: 1)	5 (Male: 4, Female: 1)	4	4
Staff sick leave granted for staff injury cases	Days	9.5	14.5	168.5	50	174

[11] The definition of staff injury cases is the reported cases of occupational injuries, under Employee's Compensation Ordinance, resulting in death or incapacity for work over 3 days.

Contractor's Accident Rate

	Units	2018	2017	2016	2015	2014
No. of fatalities ^[12] (ArchSD)	No.	0	1 (Male:1, Female:0)	2 (Male:2, Female:0)	0	1 (Male:1, Female:0)
Fatal accident rate ^[12] (ArchSD)	per 100,000 man-hours	0	0.003	0.007	0	0.004
Fatal accident rate ^[13] (Hong Kong Construction Industry)	per 100,000 man-hours	0.003	0.005	0.003	0.006	0.007
No. of non-fatal accidents ^[12] (ArchSD)	No.	133 (Male: 120, Female: 13)	96 (Male: 90, Female: 6) ^[12]	70 (Male: 64, Female: 6)	98	80
Non-fatal accident rate ^[12] (ArchSD)	per 100,000 man-hours	0.36	0.29 ^[12]	0.26	0.34	0.30
Non-fatal accident rate ^[13] (Hong Kong Construction Industry)	per 100,000 man-hours	0.88	0.91	0.96	1.08	1.16

[12] Data of 2018 and the previous years was extracted from PWP Construction Site Safety and Environmental Statistics System (PCSES) of DEVB as at 17 May 2019. In 2017, the number of non-fatal accidents (ArchSD) and the non-fatal accident rate (ArchSD) were adjusted.

[13] The accident rate of the Hong Kong Construction Industry is based on the published statistics of the Labour Department and using a conversion of 1.67 accidents per 100,000 man-hours equivalent to 60 accidents per 1,000 workers per year.