

## Water Supplies Department

### Consolidated Annual Open Data Plan (Spatial Data Plan included) for 2024 to 2026

#### A. Departmental datasets to be released in 2024

##### i. Spatial Data

Item No.	Type of Data	Name of Dataset	General Description	Target Release Date (in mm/yyyy)	Update Frequency
1	Development	Major Infrastructure Projects	Overview of major infrastructure projects, e.g. scope, project status, etc.	01/2024	Yearly
2	Utilities	List of Waterworks Installations	List of Waterworks Installations with official name, address, water type and capacity, etc.	01/2024	Yearly
3	Utilities	Renewable Energy Generated by Floating Photovoltaic Systems in Impounding Reservoirs (kWh)	Renewable Energy Generated by each Floating Photovoltaic System in Impounding Reservoirs (kWh)	01/2024	Yearly
4	Utilities	WSD Customer Enquiry Centres	Addresses, office and service hours of WSD Customer Enquiry Centres	01/2024	As and when there is update
5	Environment	Carbon Audit Report	Carbon Audit Report for Water Supplies Department's Buildings	04/2024	Yearly
6	Recreation and Culture	Recreational Use of Service Reservoir Roofs	A list of service reservoir roofs for recreational and other activities	04/2024	As and when there is update
7	Utilities	Educational Visits to Waterworks Installations by Schools or Groups	Waterworks facilities that open to schools and organisations for visit by prior application.	04/2024	Yearly
8	Utilities	Report of Main Burst Case	Main burst locations, pipe size, date of burst, etc.	04/2024	Quarterly

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Target Release Date (in mm/yyyy)</b>	<b>Update Frequency</b>
9	Utilities	Quality Water Supply Scheme for Buildings – Flushing Water - List of Buildings Applied the Scheme	List of buildings that are applying Quality Water Supply Scheme for Buildings – Flushing Water	04/2024	Quarterly
10	Utilities	Quality Water Supply Scheme for Buildings – Flushing Water - List of Buildings Awarded Certificate	List of buildings with valid certificate in Quality Water Supply Scheme for Buildings – Flushing Water	04/2024	Quarterly
11	Utilities	Quality Water Supply Scheme for Buildings– Fresh Water (Management System) - List of Buildings Applied the Scheme	List of buildings that are applying Quality Water Supply Scheme for Buildings– Fresh Water (Management System)	04/2024	Quarterly
12	Utilities	Quality Water Supply Scheme for Buildings– Fresh Water (Management System) - List of Buildings Awarded Certificate	List of buildings with valid certificate in Quality Water Supply Scheme for Buildings– Fresh Water (Management System)	04/2024	Quarterly
13	Utilities	Temporary Water Suspension Notices	Provide information on water supply suspension cases (such as District Affected, Suspension Effective Time, Water Supply Type, Suspension Type and Current Status, etc.). (Non-spatial data of this dataset was released in 12/2023.)	04/2024	Hourly

## **ii. Non-Spatial Data**

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Target Release Date (in mm/yyyy)</b>	<b>Update Frequency</b>
1	City Management and Utilities	Approved Registered Plumbing Contractors ("RPC") (Provisional)	Data on the number of RPC (Provisional) application cases approved by the Water Authority is made available in machine-readable format (CSV) for access through PSI Portal.	02/2024	Every 2 months
2	City Management and Utilities	Percentage of Population Served	Data on the percentage of population served is made available in machine-readable format (CSV) for access through PSI Portal.	02/2024	Yearly
3	Law and Security	Number of Convictions under the Waterworks Ordinance and Waterworks Regulations	Data on the number of summonses (with breakdown) issued by the Water Authority for convicted contravention of the Waterworks Ordinance and Waterworks Regulations is made available in machine-readable format (CSV) for access through PSI Portal.	02/2024	Yearly
4	Law and Security	Number of Prosecutions and Fines Imposed	Data on the total number of summonses issued by the Water Authority for convicted contravention of the Waterworks Ordinance and Waterworks Regulations as well as the total amount of fines is made available in machine-readable format (CSV) for access through PSI Portal.	02/2024	Yearly
5	Environment	Paper Consumption	Data on annual paper consumption for wood-free and recycled paper is made available in machine-readable format (CSV) for access through PSI Portal.	08/2024	Yearly

**B. Departmental datasets to be released in 2025 and 2026**

**i. Spatial Data**

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Target Release Date (in mm/yyyy)</b>	<b>Update Frequency</b>
N/A					

**ii. Non-Spatial Data**

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Target Release Date (in mm/yyyy)</b>	<b>Update Frequency</b>
N/A					

## C. Datasets planned to be opened up by other organisations

### i. Spatial Data

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Target Release Date (in mm/yyyy)</b>	<b>Update Frequency</b>
N/A					

### ii. Non-Spatial Data

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Target Release Date (in mm/yyyy)</b>	<b>Update Frequency</b>
N/A					

**D. Progress: Datasets already uploaded to DATA.GOV.HK and/or CSDI Portal by Department and other organisations**

**i. Spatial Data**

# Remark: Entries of datasets released in or before 2022 were based on “Annual Spatial Data Plan for 2023 to 2025”.

Item No.	Type of Data	Name of Dataset	General Description	Released Date (in mm/yyyy)	Update Frequency
1	Utilities	Catchwater - Catchment Areas and Subcatchment Areas	A list of catchment with the area and the name of the associated catchwater.	12/2022	As and when there is update
2	Utilities	Catchwater - Engineered Drainage Systems	A list of catchwater with name and length	12/2022	As and when there is update
3	Utilities	Impounding Reservoirs	A list of impounding reservoirs with official name, water type, capacity and location	12/2022	As and when there is update
4	Utilities	Pumping Stations	A list of pumping stations with official name, water type, capacity and location	12/2022	As and when there is update
5	Utilities	Service Reservoirs	A list of service reservoirs with official name, water type, capacity and location	12/2022	As and when there is update
6	Utilities	Water Treatment Works	A list of water treatment works with official name, water type, capacity and location	12/2022	As and when there is update
7	Utilities	Annual Water Quality Statistics of Enhanced Water Monitoring Programme for 18 Districts	Annual water quality statistical data at consumers' taps of Enhanced Water Quality Monitoring Programme for 18 District Council districts	01/2023	Yearly
8	Utilities	Water Dispensers in WSD Venues	Water Dispensers details	01/2023	Yearly
9	Environment	Indoor Air Quality	Indoor Air Quality	04/2023	Yearly
10	Utilities	Storage Position of Individual Impounding Reservoirs	Provide Statistics on Individual Impounding Reservoirs	04/2023	Twice a month

**ii. Non-Spatial Data**

# Remark: Entries of datasets released in or before 2022 were based on “Annual Open Data Plan for 2023 to 2025”

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Released Date (in mm/yyyy)</b>	<b>Update Frequency</b>
1	City Management and Utilities	Drinking Water Quality	Statistics on drinking water quality in CSV and Excel format is made available for access through PSI Portal.	05/2018	Every 6 months
2	City Management and Utilities	Dongjiang Water Quality	Statistics on Dongjiang water quality in CSV and Excel format is made available for access through PSI Portal.	07/2018	Every 6 months
3	City Management and Utilities	Data on Water Resources	Data on Water Resources with rainfall, local yield and Dongjiang water supply from Guangdong, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	01/2019	Yearly
4	City Management and Utilities	Expenditures on purchasing Dongjiang water	Data on Expenditures on purchasing Dongjiang water with expenditure, change and average unit cost, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	01/2019	Updated only when new Dongjiang water agreement has been signed
5	City Management and Utilities	Storage Position of Impounding Reservoirs	Data on Storage Position of Impounding Reservoirs with total storage of impounding reservoirs and percentage of full, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	01/2019	Weekly
6	City Management and Utilities	Storage Position of Individual Impounding Reservoirs	Data on Storage Position of Individual Impounding Reservoirs with storage of individual impounding reservoir and percentage of full, etc. is made available in machine-readable format (CSV) for access through PSI Portal. A related dataset has been released on the CSDI Portal since 04/2023.	01/2019	Twice a month

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Released Date (in mm/yyyy)</b>	<b>Update Frequency</b>
7	City Management and Utilities	Indoor Air Quality	Data on Indoor Air Quality with the indoor air quality in WSD premises, etc. is made available in machine-readable format (CSV) for access through PSI Portal. A related dataset has been released on the CSDI Portal since 04/2023.	02/2019	Yearly
8	City Management and Utilities	Data on Water Quality Control	Data on Water Quality Control with number of water samples, etc. is made available in machine-readable format (CSV and Excel) for access through PSI Portal.	03/2019	Yearly
9	City Management and Utilities	Statistics on Water quality of Dongjiang's Main Stream in 2016 as Monitored at the East Bank Section	Statistics on Water quality of Dongjiang's Main Stream in 2016 as Monitored at the East Bank Section with water quality monitoring results, etc. is made available in machine-readable format (CSV and Excel) for access through PSI Portal.	03/2019	Yearly
10	Miscellaneous	Staff Establishment	Data on Staff Establishment with the establishment of staff members in WSD, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2019	Monthly and Yearly
11	City Management and Utilities	Per Capita Electricity Consumption (Fresh Water and Raw Water)	Data on Per Capita Electricity Consumption (Fresh Water and Raw Water) with the electricity consumption in Kwh/Head/Year, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2019	Yearly
12	City Management and Utilities	Unit Electricity Consumption (Fresh Water and Raw Water)	Data on Unit Electricity Consumption (Fresh Water and Raw Water) with the unit electricity consumption in Kwh/m <sup>3</sup> , etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2019	Yearly



<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Released Date (in mm/yyyy)</b>	<b>Update Frequency</b>
13	City Management and Utilities	Per Capita Electricity Consumption (Sea Water)	Data on Per Capita Electricity Consumption (Sea Water) with the electricity consumption in Kwh/Head/Year, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2019	Yearly
14	City Management and Utilities	Unit Electricity Consumption (Sea Water)	Data on Unit Electricity Consumption (Sea Water) with the unit electricity consumption in Kwh/m <sup>3</sup> , etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2019	Yearly
15	City Management and Utilities	Office Electricity Consumption Per Unit Floor Space	Data on Office Electricity Consumption Per Unit Floor Space with the electricity consumption in Kwh/m <sup>2</sup> , etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2019	Yearly
16	City Management and Utilities	VOC Consumption for In-house Work	Data on VOC Consumption for In-house Work by types of VOC, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2019	Yearly
17	City Management and Utilities	GHG Emissions due to Electricity Used for Fresh Water Processing by WSD	Data on GHG Emissions due to Electricity Used for Fresh Water Processing by WSD in kg CO <sub>2</sub> /m <sup>3</sup> , etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2019	Yearly
18	City Management and Utilities	Emissions	Data on Emissions with direct and indirect emissions, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2019	Yearly
19	City Management and Utilities	Information on Vehicle Pool Transport	Information on Vehicle Pool Transport with No of Government Vehicles in Operation, Total Fuel Consumption and Total mileage, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	05/2019	Yearly

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Released Date (in mm/yyyy)</b>	<b>Update Frequency</b>
20	City Management and Utilities	Total Average Daily Consumption (Fresh Water and Salt Water)	Data on Total Average Daily Consumption (Fresh Water and Salt Water) with fresh water and salt water daily average consumption in million cubic metres, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	06/2019	Yearly
21	City Management and Utilities	Annual Fresh Water Consumption (by Sector) in Million Cubic Metres (MCM) and Percentage of Total	Data on Annual Fresh Water Consumption (by Sector) in Million Cubic Metres (MCM) and Percentage of Total with fresh water consumption is made available in machine-readable format (CSV) for access through PSI Portal.	06/2019	Yearly
22	City Management and Utilities	Per Capita Domestic Fresh Water Consumption	Data on Per Capita Domestic Fresh Water Consumption with per capita fresh water consumption in Litres/day is made available in machine-readable format (CSV) for access through PSI Portal.	06/2019	Yearly
23	City Management and Utilities	Per Capita Flushing Water Consumption (Fresh Water & Sea Water)	Data on Per Capita Flushing Water Consumption (Fresh Water & Sea Water) with per capita flushing water consumption in Litres/day is made available in machine-readable format (CSV) for access through PSI Portal.	06/2019	Yearly
24	City Management and Utilities	Annual Water Quality Statistic of Enhanced Water Monitoring Programme for 18 Districts.	Annual Statistic of Enhanced Water Monitoring Programme for 18 Districts with the water quality data for 18 districts, etc. is made available in machine-readable format (CSV) for access through PSI Portal. A related dataset has been released on the CSDI Portal since 01/2023.	06/2019	Yearly

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Released Date (in mm/yyyy)</b>	<b>Update Frequency</b>
25	City Management and Utilities	Accident Rate for Waterworks Contracts	Data on Accident Rate for Waterworks Contracts with accident rate in monthly average overall and 3 months' average overall, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	07/2019	Yearly
26	City Management and Utilities	Data on Water Consumption	Data on Water Consumption with fresh water daily average, salt water daily average and growth rate, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	08/2019	Yearly
27	City Management and Utilities	Length of Water Mains and Tunnel	Data on Length of Water Mains and Tunnel with the length of fresh water and salt water mains and length of tunnel, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	08/2019	Yearly
28	City Management and Utilities	List of Waterworks Installations	<p>“List of Waterworks Installations” with official name, address, water type and capacity and XY coordinates, etc. is made available in machine-readable format (CSV, JSON and GEOJSON) for access through PSI Portal.</p> <p>(Note: The above dataset in CSV format, JSON format and GEOJSON format have been opened up since 08/2019, 08/2020 and 08/2021 respectively.) A related dataset will be released on the CSDI Portal in 01/2024.</p>	08/2019	Yearly
29	City Management and Utilities	Carbon Audit Report	Statistics on Carbon Audit Report in Tonnes of CO <sub>2</sub> - equivalent, etc. is made available in machine-readable format (CSV) for access through PSI Portal. A related dataset will be released on the CSDI Portal in 04/2024.	04/2020	Yearly

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Released Date (in mm/yyyy)</b>	<b>Update Frequency</b>
30	City Management and Utilities	Annual Quantity of Fresh Water Supply	Statistics on Annual Quantity of Fresh Water Supply with the quantity of Dongjiang Water and Hong Kong's catchments, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	06/2020	Yearly
31	City Management and Utilities	Sea Water for Flushing Consumption	Statistics on Sea Water for Flushing Consumption in million cubic metres, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	06/2020	Yearly
32	Environment	Water Dispensers in WSD Venues	Statistics on Water Dispensers in WSD Venues with type of water dispenser, address, longitude and latitude, etc. is made available in machine-readable format (CSV) for access through PSI Portal. A related dataset has been released on the CSDI Portal since 01/2023.	06/2020	Yearly
33	City Management and Utilities	Statistics on Water Mains Bursts	Statistics on Water Mains Bursts with no. of mains bursts by year, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2021	Yearly
34	Finance	Departmental Expenditure for Water Supplies Department	Departmental Expenditure for Water Supplies Department is made available in machine-readable format (CSV and Excel) for access through PSI Portal.	07/2021	Yearly
35	City Management and Utilities	Renewable Energy Generated by Land-based Photovoltaic Systems in Waterworks Installations (kWh)	Data on renewable energy generated in kWh/year, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2022	Yearly
36	City Management and Utilities	Renewable Energy Generated by Floating Photovoltaic Systems in Impounding Reservoirs (kWh)	Data on renewable energy generated in kWh/year, etc. is made available in machine-readable format (CSV) for access through PSI Portal. A related dataset will be released on the CSDI Portal in 01/2024.	04/2022	Yearly

<b>Item No.</b>	<b>Type of Data</b>	<b>Name of Dataset</b>	<b>General Description</b>	<b>Released Date (in mm/yyyy)</b>	<b>Update Frequency</b>
37	City Management and Utilities	Renewable Energy Generated by Hydropower Plants in Waterworks Installations (kWh)	Data on renewable energy generated in kWh/year, etc. is made available in machine-readable format (CSV) for access through PSI Portal.	04/2022	Yearly
38	Miscellaneous	No. of Man-hours for WSD Volunteers	Data on no. of man-hours for WSD volunteers is made available in machine-readable format (CSV and Excel) for access through PSI Portal.	04/2022	Yearly
39	City Management and Utilities	Statistics on Enforcement Action against Private Water Pipe Leakages	Statistics on WSD's enforcement action against private water pipe leakages is made available in machine-readable format (CSV) for access through PSI Portal.	01/2023	Yearly

**Water Supplies Department  
December 2023**