



مكتب التنظيم والرقابة لقطاع الكهرباء و المياه
RSB FOR ELECTRICITY & WATER

**REGULATORY AND SUPERVISORY BUREAU FOR THE
ELECTRICITY AND WATER SECTOR**

**REGULATIONS FOR DISTRICT COOLING PURSUANT TO
EXECUTIVE COUNCIL RESOLUTION (6) OF 2021**

RD07: SYSTEM DATA

VERSION 1.0

1. Introduction

This data return applies to all District Cooling Service Providers and Billing Agents permitted by the RSB to conduct District Cooling Services or Billing Services in accordance with Executive Council Resolution 6 of 2021 (the ECR).

2. Application

Annual return forms are produced for each permit holder based on their permitted activities. District Cooling Service Providers are required to complete a form for each DC Plant and a form for each DC System. Billing Agents are required to complete one form for Billing Services. If building is served but not identified in the return file, an application for a schedule must be made to add it to a permit immediately to avoid a violation of the ECR.

3. Do not edit the file structure. Do not rename the file.

- 3.1 Take care to input data by the correct measure - i.e. kWh, TR, TRh, or Litres in the case of water
- 3.2 Do not overwrite, add formulas or create calculations in any cells in the file. Do not insert rows or columns.

4. Data definitions DC Systems

- 4.1 **Supplies(nr)** - means the number of metered connections on which district cooling services or billing services are rendered. Where cooling services are provided to common areas and consumption billed by subtracting the aggregate consumption of units from the Bulk Meter, these must also be counted as supplies. In such cases a supply should be counted for each billable common area.
- 4.2 **Gross Floor Area** - Enter the total GFA served for this schedule, include the GFA of units and common areas where they are supplied with cooling services.
- 4.3 **Contracted Capacity** - Enter the total contracted capacity in TR as at the 31st December of the reporting year.
- 4.4 **Consumption** - Enter the total consumption in TRh for the period 1st Jan - 31st December. The consumption must correspond to the GFA. Where common areas are provided with cooling services, the consumption of those areas must be included. Where consumption readings are taken at a different point in the month, for billing or to align with DEWA billing cycles, an accrual must be made to ensure that the consumption reported accurately reflects actual consumption during the calendar year.
- 4.5 **Other revenue** - Enter the aggregate revenue of all other charges excluding Capacity, Consumption and Metering charges and one off connection charges. Do not include deposits. Typically include, LDT, NOC, Final Bill, Late Payment, Reconnection and any other peripheral charges.

5. Data definitions DC Plant

- 5.1 **Installed Capacity (TR)** - include the tonnage capacity stated on the nameplate of chillers and add the design capacity of any Thermal Energy Storage facilities in refrigeration-tons. The reported number must be in refrigeration-tons and it must equal the maximum instantaneous output of the plant with all chillers working and TES discharging at maximum design flow.
- 5.2 **Output (mTRh)** - Enter one number for the total output in million refrigeration-ton-hours, from the plant over the calendar year. This must include output from chillers (temporary and permanent) and any TES facilities.
- 5.3 **Electricity (GWh)** - Enter one number in Gigawatt-hours, with accuracy to 3 decimal places, for the total electrical consumption of the plant. It must include electricity used for all aspects of plant operation, including any RO facilities, TES facilities and primary pumps. The number must be auditable by reconciliation with all DEWA meters serving the plant. Where meter readings are taken at a different point in the month, for DEWA billing cycles, an accrual must be made to ensure that the electricity consumption reported accurately reflects actual electricity consumption during the calendar year.
- 5.4 **DEWA Water (ML)** - Enter one number in Million litres, with accuracy to 3 decimal places, for the total DEWA water consumption of the plant during the report year. The number must be auditable by reconciliation with all DEWA meters serving the plant. Where meter readings are taken at a different point in the month to align with DEWA billing cycles, an accrual must be made to ensure that water consumption reported accurately reflects actual water consumption during the calendar year.
- 5.5 **Recycled Water (ML)** - Enter one number in Million Litres with accuracy to 3 decimal places, for the total Recycled Water Consumption of the plant during the report year. The number must reconcile with recycled water meters serving the plant. Where RO is used to treat recycled water, the volume of RO Recovery water must be reported here and RO Reject water must be reported under RO Discharge (ML). Where no RO is used the total recycled water provided to the plant must be reported and recorded by meter. Where meter readings are taken at a different point in the month to align with billing cycles, an accrual must be made to ensure that recycled water consumption reported accurately reflects actual recycled water consumption during the calendar year.
- 5.6 **Blowdown (ML)** - Enter one number in Million Litres with accuracy to 3 decimal places, for the total water blowdown to sewers from the plant during the report year. The number must be taken from meter(s) installed at blowdown points.
- 5.7 **RO Discharge (ML)** - Enter one number in Million Litres which accuracy to 3 decimal points, for the volume of reject water (also known as brine) resulting from the reverse osmosis process during the report year.

6. Complete and submit the form

Do not rename the file. Email it to DCPermitting@RSBDubai.gov.ae by the due date.

Permit Holder	System	Plant	Installed Capacity (TR)	Output (mTRh)	Electricity (GWh)	DEWA Water (ML)	Recycled Water (ML)	Blowdown (ML)	RO Discharge (ML)

Permit Holder	System	Supplies (nr)	Gross Floor Area (m2)	Contracted Capacity (TR)	Consumption (mTRh)