حكومة دبي
GOVERNMENT OF DUBAI

هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority

ANNUAL STATISTICS BOOKLET

2025

> We have no alternative to first position. The word ‘impossible’ is nowhere to be found in the vocabulary of the UAE.

His Highness Sheikh Mohammed bin Rashid Al Maktoum,
Vice President and Prime Minister of the UAE and Ruler of Dubai

MD & CEO MESSAGE

At Dubai Electricity and Water Authority (DEWA), we continue on the path of excellence and sustainable growth in line with the vision of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and the directives of HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai, Deputy Prime Minister and Minister of Defence of the UAE, and Chairman of the Executive Council of Dubai, and HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, First Deputy Ruler of Dubai, Deputy Prime Minister, and Minister of Finance of the UAE.

In 2025, DEWA continued its journey of success and excellence, achieving the highest annual revenues in its history. DEWA also ranked in the top global position in 13 key performance indicators within its areas of operation, surpassing leading utility companies in the European Union and the United States across various benchmarks. Losses from electricity transmission and distribution networks reached 2%, compared to 6-7% in Europe and the United States. Water network losses reached 4.4%, compared to around 15% in North America. DEWA also set a new world record for electricity Customer Minutes Lost (CML) per year. Dubai recorded 0.82 minutes per customer, surpassing its 2023 record of 0.94 minutes per customer, compared to approximately 15 minutes recorded by leading utilities in the European Union.

DEWA provides its services to more than 1.327 million customers in Dubai, adhering to the highest standards of availability, reliability, and efficiency. By the end of 2025, DEWA's installed generation capacity reached 17,979MW, with 3,860MW of this capacity coming from clean energy sources at the Mohammed bin Rashid Al Maktoum Solar Park, the largest single-site solar park in the world. By 2030, the solar park's production capacity will reach 8,060MW, increasing the share of clean energy in Dubai's energy mix to more than 36%. The solar park will reduce carbon emissions by more than 8.5 million tonnes annually by 2030, reinforcing Dubai's position as a global hub for sustainability and innovation in renewable energy. This also supports our commitment to achieving Dubai's ambitions to reach Net Zero by 2050.

By the end of 2025, DEWA's desalinated water production capacity reached 495 million imperial gallons per day (MIGD). By 2030, DEWA will add 240 MIGD of desalination capacity using seawater reverse osmosis technology. By then, DEWA's total installed desalination capacity will reach 735 MIGD.

We will continue our efforts to achieve sustainable growth, maximise returns for all stakeholders and reduce DEWA's environmental footprint–contributing to building a brighter future for us and for generations to come.

Saeed Mohammed Al Tayer
MD & CEO of Dubai Electricity and Water Authority (DEWA)

POWER GENERATION & WATER DESALINATION INSTALLED CAPACITY 2025

STATIONS		Water (MIGD)[1]	Power (MW)[2]
Jebel Ali Station "D"		34.5	1,027
Jebel Ali Station "E"		25	616
Jebel Ali Station "G"		81	818
Palm SWRO[3] Plant		5	-
Aweer Power Station "H" - Ph I		-	607
Aweer Power Station "H" - Ph II		-	421
Aweer Power Station "H" - Ph III		-	968
Aweer Power Station "H" - Ph IV		-	829
Jebel Ali Station "K"		96	948
Jebel Ali Station "L" - Ph I		67.5	969
Jebel Ali Station "L" - Ph II		52	1,432
Jebel Ali Station "M"		134	2,185
Jebel Ali Station "M" Extension		-	700
Mohammed bin Rashid Al Maktoum Solar Park - Ph I		-	10
Mohammed bin Rashid Al Maktoum Solar Park - Ph II		-	200
Mohammed bin Rashid Al Maktoum Solar Park - Ph III (A, B, C)		-	800
Mohammed bin Rashid Al Maktoum Solar Park - Ph IV	PV[4]	-	250
	CSP[5]	-	700
Mohammed bin Rashid Al Maktoum Solar Park - Ph V (A, B, C)		-	900
Mohammed bin Rashid Al Maktoum Solar Park - Ph VI (A, B)		-	1000
Hassyan Power Plant - Ph I & II (Units 1, 2, 3 & 4)		-	2,400
Warsan Waste to Energy Plant		-	200
Total		**495**	**17,979**

(1) MIGD: Million Imperial Gallons Per Day
(2) MW: Megawatt
(3) SWRO: Sea Water Reverse Osmosis
(4) PV: Photovoltaic
(5) CSP: Concentrated Solar Power

ELECTRICITY

NUMBER OF SUBSTATIONS (TRANSMISSION & DISTRIBUTION)

	2024	2025
400 kV	27	**27**
132 kV	360	**367**(1)
33 kV	69	**61**(2)
11 & 6.6 kV	45,317	**47,060**

(1) In 2025, 8 New 132 kV Substations were commissioned, 1 Substation (INDS) was decommissioned, hence, net increase is 7 Substations.
(2) 8 Substations decommissioned in 2025.

LENGTH OF POWER TRANSMISSION & DISTRIBUTION LINES (km)

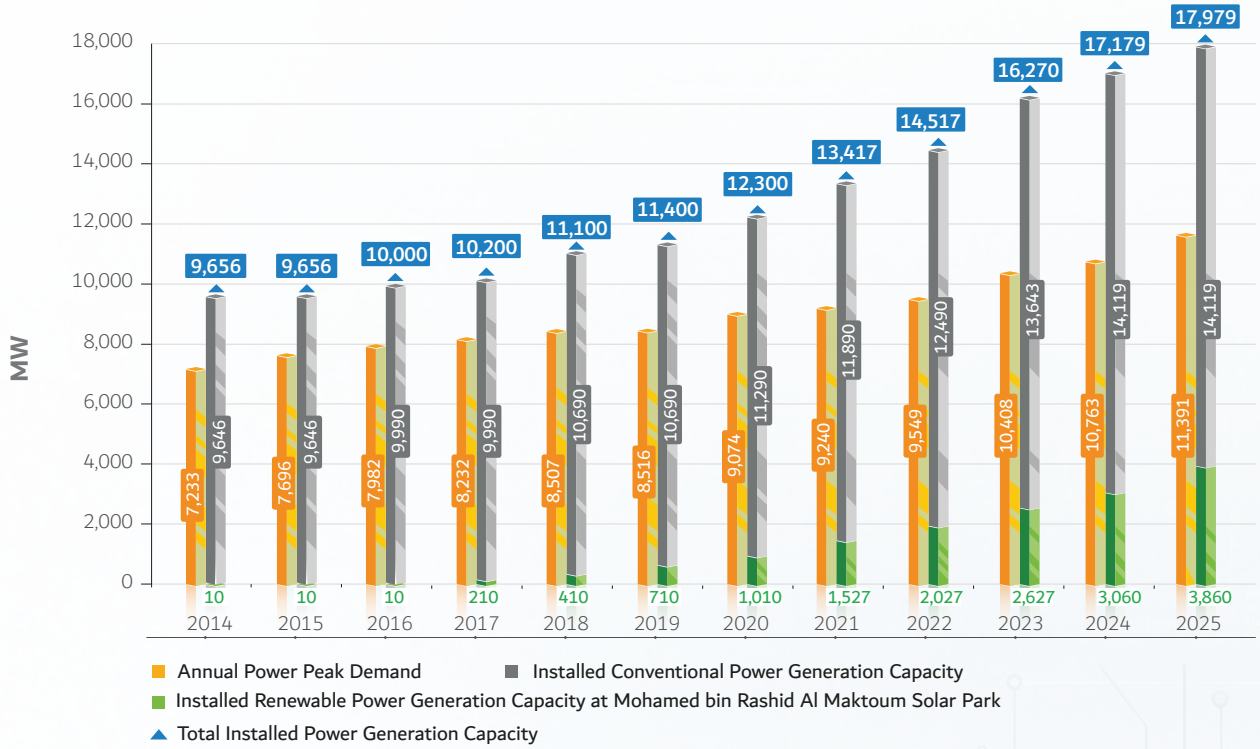
	2024	2025
Overhead Lines (OHL)		
400 kV	1,388	**1,387**
132 kV	317	**483**
33 kV	84	**84**
11 & 6.6 kV	598	**589**(1)
Underground Cables		
400 kV	26	**26**
132 kV	2,783	**2,868**
33 kV	1,844	**1,788**(2)
11 & 6.6 kV	36,893	**37,776**

(1) Reduction due to undergrounding of 11 & 6.6 kV OHL in Residential areas.
(2) Reduction due to decommissioning of 33 kV Substations.

POWER GENERATION INSTALLED CAPACITY (MW)

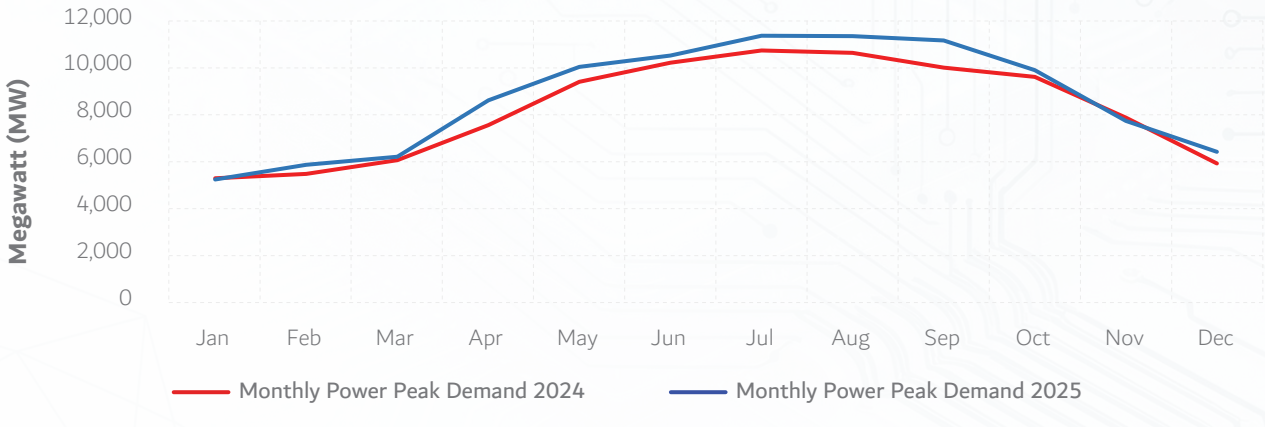
	2024	2025
Gas Turbines	8,804	**8,804**
Steam Turbines	5,115	**5,115**
Solar PV and CSP	3,060	**3,860**
Waste to Energy	200	**200**
Total Installed Capacity	**17,179**	**17,979**

INSTALLED POWER GENERATION CAPACITY & PEAK DEMAND



ANNUAL POWER PEAK DEMAND (MW)

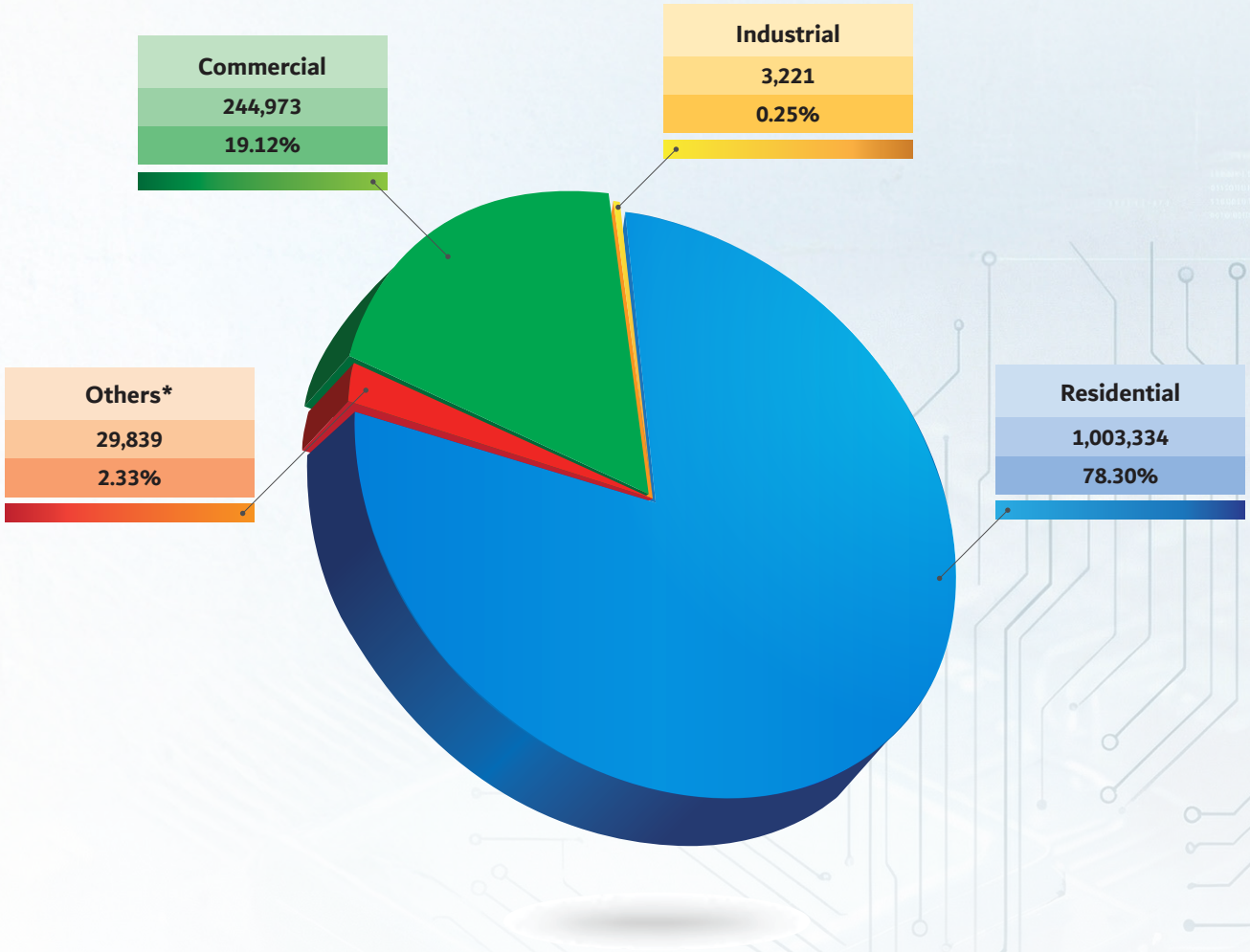
2024	2025
10,763	**11,391**



NUMBER OF ELECTRICITY CUSTOMERS

2024	2025
1,225,639	**1,281,367**

CATEGORY-WISE NUMBER OF ELECTRICITY CUSTOMERS 2025



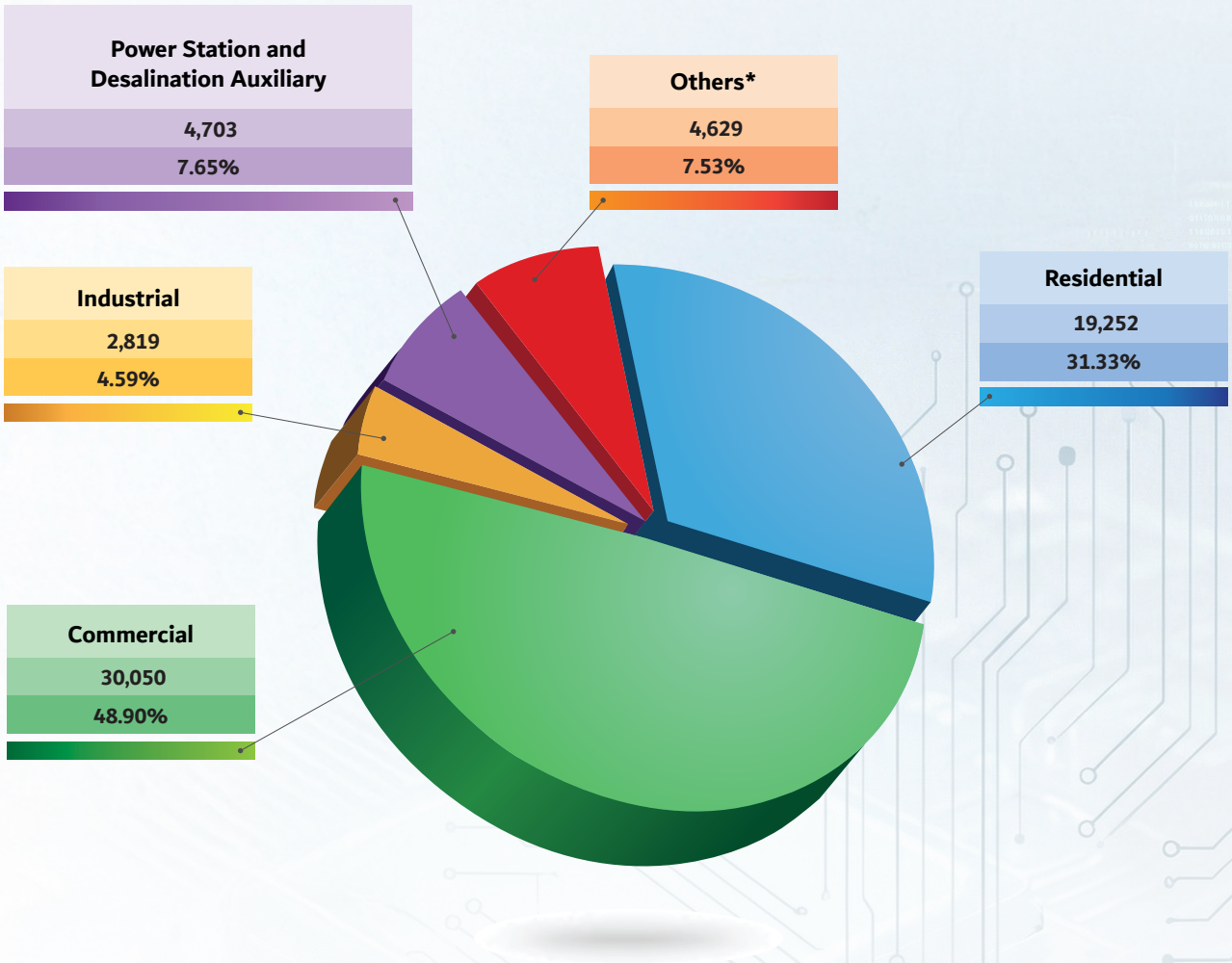
*** Others:** Mosques, Police Stations, Government Hospitals, Government Schools, DEWA's Offices & Premises, etc.

TOTAL ENERGY REQUIREMENT (GWh) (1) (2)

2024	2025
59,594	**62,633**

(1) GWh: Gigawatt hour
(2) Includes energy from Distributed Renewable Resources Generation (DRRG).

CATEGORY-WISE ELECTRICITY CONSUMPTION (GWh) 2025



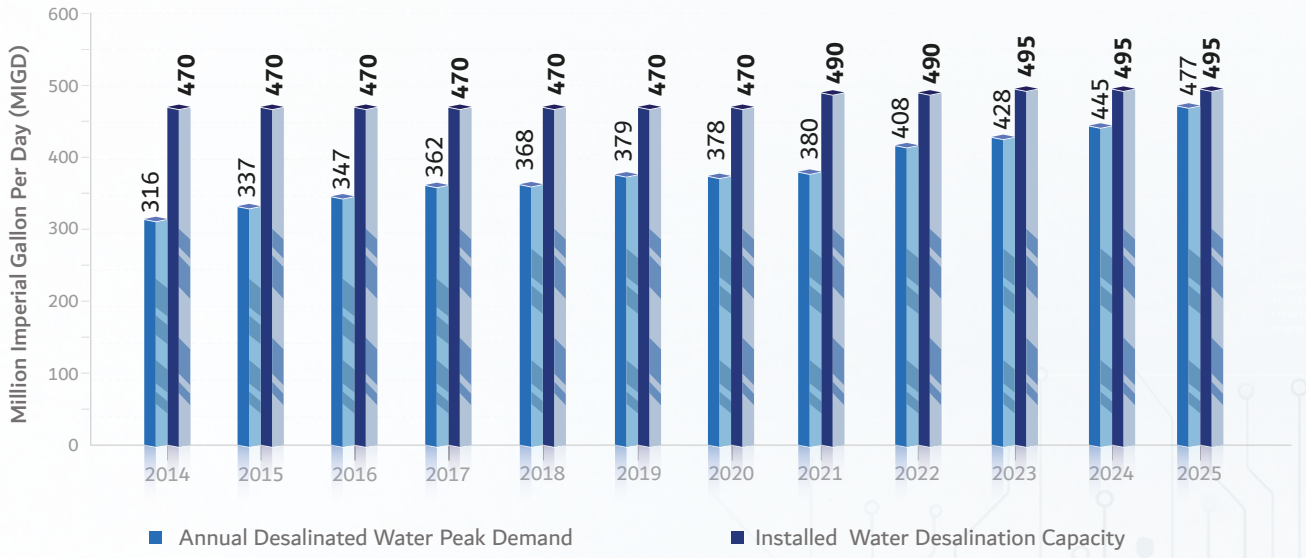
*** Others:** Mosques, Police Stations, Government Hospitals, Government Schools, DEWA's Offices & Premises, etc.

WATER

PRODUCTION INSTALLED CAPACITY (MIGD)

	2024	2025
Multi-Stage Flash Desalination Plants	427	**427**
Reverse Osmosis Desalination Plants	68	**68**
Total	**495**	**495**
Groundwater Wells	36	**44**

INSTALLED WATER DESALINATION CAPACITY & PEAK DEMAND



ANNUAL DESALINATED WATER PEAK DEMAND (MIGD)[1]

2024	2025
445	**477**

(1) Based on Monthly Average Peak Demand

LENGTH OF WATER TRANSMISSION PIPELINES (km)

	2024	2025
1200 mm	1,463	**1,510**
900 mm	350	**350**

RESERVOIRS STORAGE CAPACITY (MIG)[1]

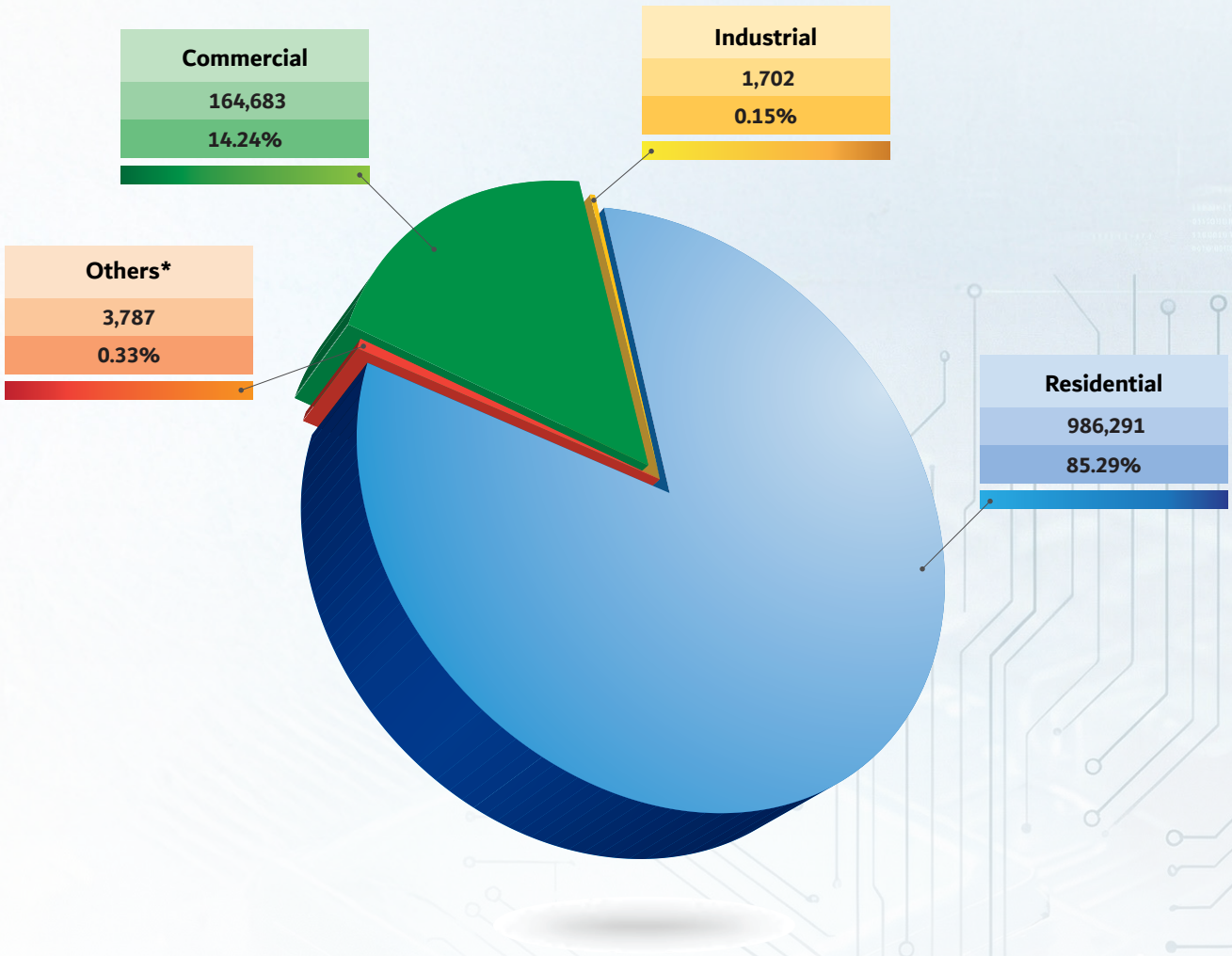
	2024	2025
Reservoirs Storage Capacity	1,002	**1,062**

(1) MIG - Million Imperial Gallons

NUMBER OF WATER CUSTOMERS

2024	2025
1,103,245	**1,156,463**

CATEGORY-WISE NUMBER OF WATER CUSTOMERS 2025

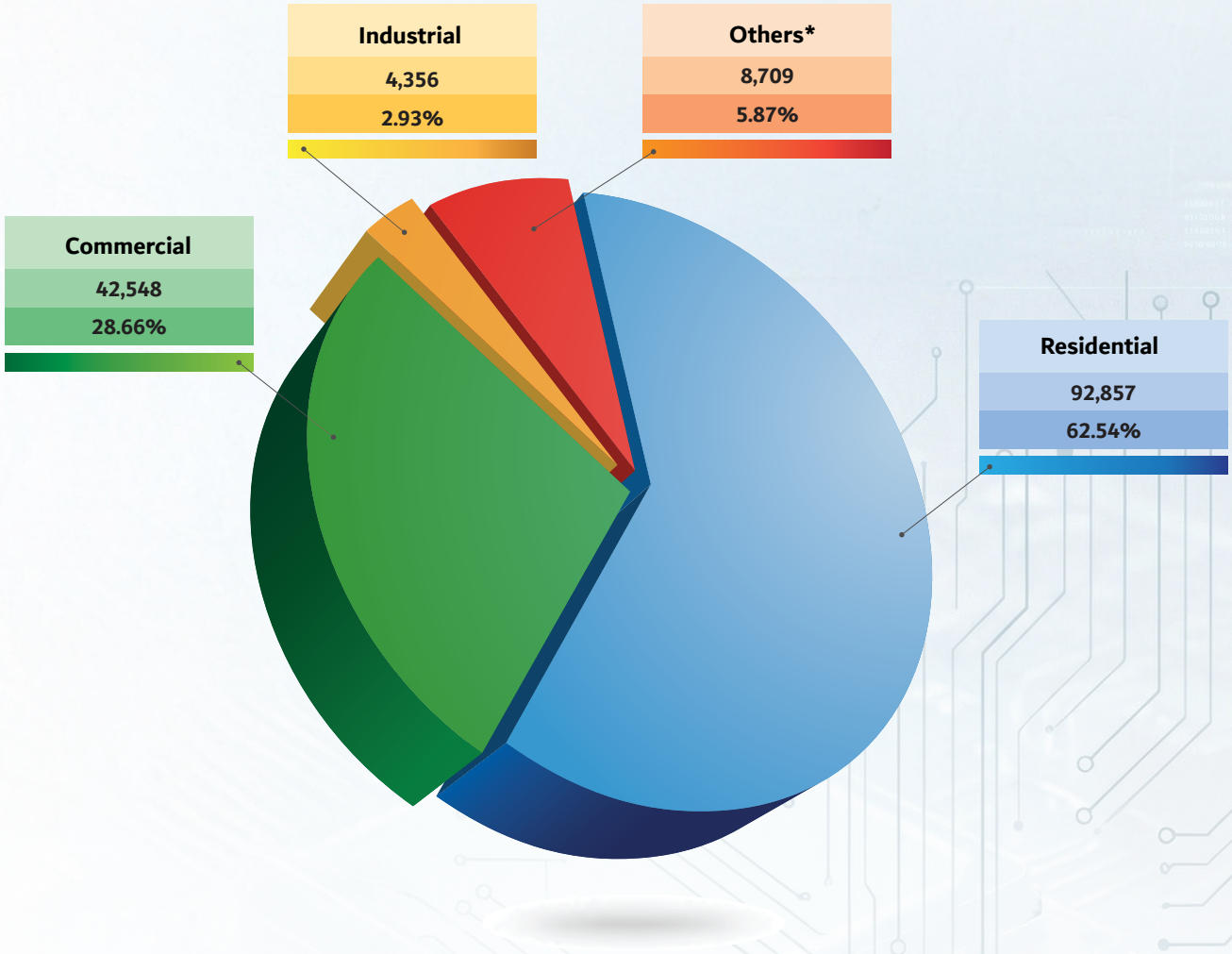


*** Others:** Mosques, Police Stations, Government Hospitals, Government Schools, DEWA's Offices & Premises, etc.

TOTAL WATER REQUIREMENT (MIG)

	2024	2025
Desalinated Water	151,475	**161,505**
Groundwater	386	**440**

CATEGORY-WISE WATER CONSUMPTION (MIG) 2025



*** Others:** Mosques, Police Stations, Government Hospitals, Government Schools, DEWA's Offices & Premises, etc.
(1 m^3 = 219.9692 IG)

مجمّع محمد بن راشد آل مكتوم
للطاقة الشمسية
MOHAMMED BIN RASHID AL MAKTOUM
SOLAR PARK

LARGEST SINGLE-SITE SOLAR PARK IN THE WORLD