

ANNUAL STATISTICS 2022





مركز الابتكار INNOVATION CENTRE



We have developed a sustainable infrastructure that will serve new generations. This infrastructure has been built by young Emiratis who will lead our country through the next phase of growth. We are proud of our nation's advancements in clean energy and green economy.



His Highness

Sheikh Mohammed bin Rashid Al Maktoum

Vice President and Prime Minister of the UAE and Ruler of Dubai





STRATEGIC DIRECTION

Our Vision

A globally leading sustainable innovative corporation committed to achieving Net-Zero by 2050

Our Mission

We are committed and aligned to Dubai's 8 Guiding Principles and 50-Year Charter supporting the UAE's directions through the delivery of global leading services and innovative energy and potable water solutions enriching lives and ensuring the happiness of our stakeholders for a sustainable Net-Zero carbon 2050

Our Motto

For generations to come





Saeed Mohammed Al Tayer

MD & CEO
Dubai Electricity and Water Authority

MD & CEO Message

Dubai Electricity and Water Authority (DEWA) is committed to achieving 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 and Chairman of the Executive Council of Dubai, HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, First Deputy Ruler of Dubai and Deputy Prime Minister and Minister of Finance; and HH Sheikh Ahmed bin Mohammed bin Rashid Al Maktoum, Second Deputy Ruler of Dubai and Chairman of the Dubai Media Council.

2022 marked a transformative year for DEWA as it became a Public Joint Stock Company (PJSC) and was listed on the Dubai Financial Market (DFM) in April, becoming the largest company on the DFM by market capitalisation. In 2022, DEWA achieved record results and delivered its best financial performance and growth in its operating history. For the full year 2022, we delivered a consolidated net profit of AED 8 billion, a 23% increase compared to 2021.

DEWA is continually developing world-class infrastructure to meet Dubai's growing demand for power and water. We have invested over AED 210 billion in generation, transmission and distribution projects that operate at the highest levels of efficiency and reliability. This is clearly evident when benchmarked with global utilities. DEWA's results surpass major European and American utilities in several key performance indicators. In 2022, losses from electricity transmission and distribution networks were reduced to 2.2% compared to 6-7% in Europe and the USA. Water network losses were also reduced to 4.5% compared to around 15% in North America. DEWA has achieved a new world record in electricity Customer Minutes Lost (CML) per year. Dubai recorded 1.19 minutes per customer, compared to around 15 minutes recorded by leading utility companies in the European Union.

DEWA provides its services to over one million customers in Dubai according to the highest levels of quality, availability and efficiency. By the end of 2022, DEWA's installed capacity reached 14,517 megawatts (MW) of electricity and 490 million gallons of desalinated water per day. As part of our commitment to achieving Dubai's Net Zero 2050 ambition, we continue to develop the Mohammed bin Rashid Al Maktoum Solar Park, the largest single-site solar park in the world that aims to eventually reach 5,000MW of Solar PV and Concentrated Solar Power. The solar park's current generation capacity is 2,127 MW.

All of us at DEWA are committed to continuing this journey towards excellence and enhancing our services to achieve the happiness of all stakeholders and contribute to building a brighter future for us and for generations to come.

POWER GENERATION & WATER DESALINATION INSTALLED CAPACITY 2022

STATIONS		Water	Power
		MIGD*	MW**
Jebel Ali Station "D"		34.5	1,027
Jebel Ali Station "E"		25	616
Jebel Ali Station "G"		81	818
Aweer Power Station "H" – Ph I		-	607
Aweer Power Station "H" – Ph II		-	421
Aweer Power Station "H" – Ph III		-	968
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 Solar Park – Ph I		-	10
Mohammed Bin Rashid Solar Park – Ph II		-	200
Mohammed Bin Rashid Solar Park – Ph III (A, B, C)		-	800
Mohammed Bin Rashid Solar Park – Ph IV	PV***	-	217
	CSP****	-	200
Mohammed Bin Rashid Solar Park – Ph V (A, B)		-	600
Hassyan Power Plant – Ph I & II (Units 1, 2, 3)		-	1,800
Total		490	14,517

*MIGD – Million Imperial Gallons Per Day

**MW – Megawatt

*** PV – Photovoltaic

**** CSP – Concentrated Solar Power

ELECTRICITY

NUMBER OF SUBSTATIONS (TRANSMISSION & DISTRIBUTION)	2021		2022
400 kV	25		27
132 kV	319		334
33 kV	81		73*
11 & 6.6 kV	41,814		42,771

* 8 Substations decommissioned in 2022

LENGTH OF POWER TRANSMISSION & DISTRIBUTION LINES (km)	2021		2022
Overhead Lines			
400 kV	1,386		1,388
132 kV	369		367*
33 kV	100		100
11 & 6.6 kV	606		613
Underground Cables			
400 kV	25		25
132 kV	2,335		2,552
33 kV	2,108		2,000**
11 & 6.6 kV	35,001		35,541

* 2 km Overhead Lines undergrounded

** Reduction due to decommissioning of 33kV Substations

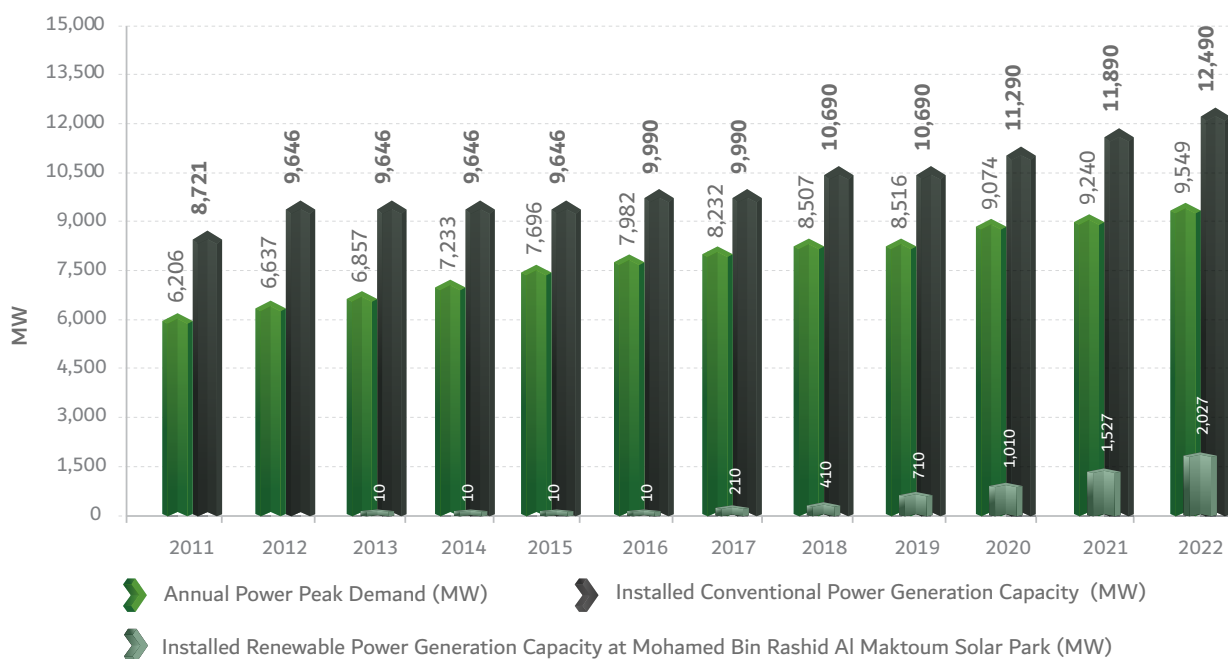


LARGEST SINGLE-SITE SOLAR PARK IN THE WORLD

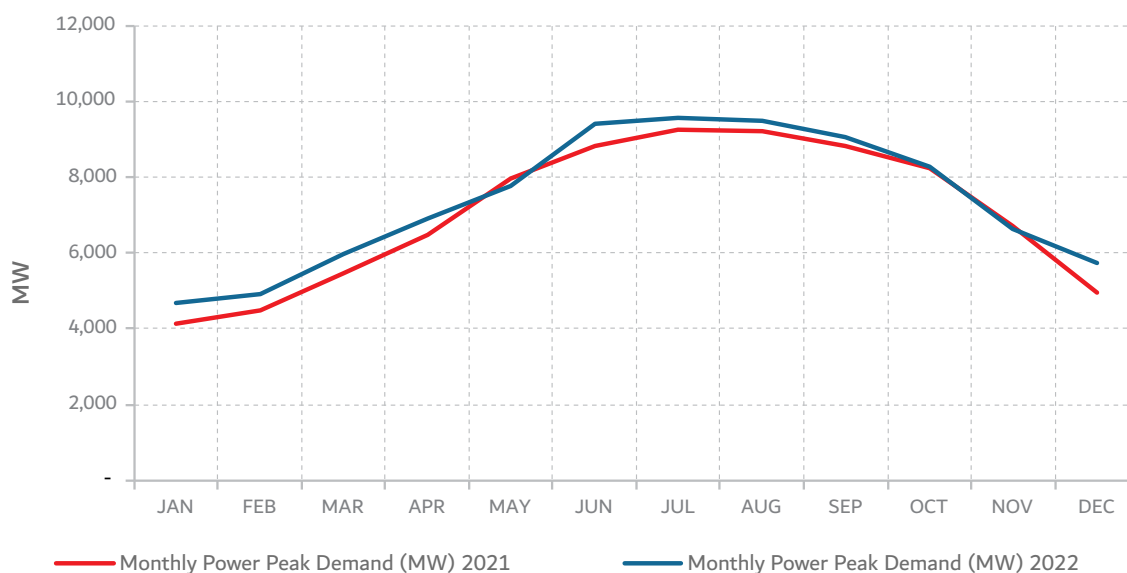


POWER GENERATION INSTALLED CAPACITY (MW)	2021	2022
Total Installed Capacity	13,417	14,517
Gas Turbines	7,975	7,975
Steam Turbines	3,915	4,515
Solar PV and CSP	1,527	2,027

MW – Megawatt



POWER PEAK DEMAND (MW)	
2021	2022
9,240	9,549



NUMBER OF ELECTRICITY CUSTOMERS

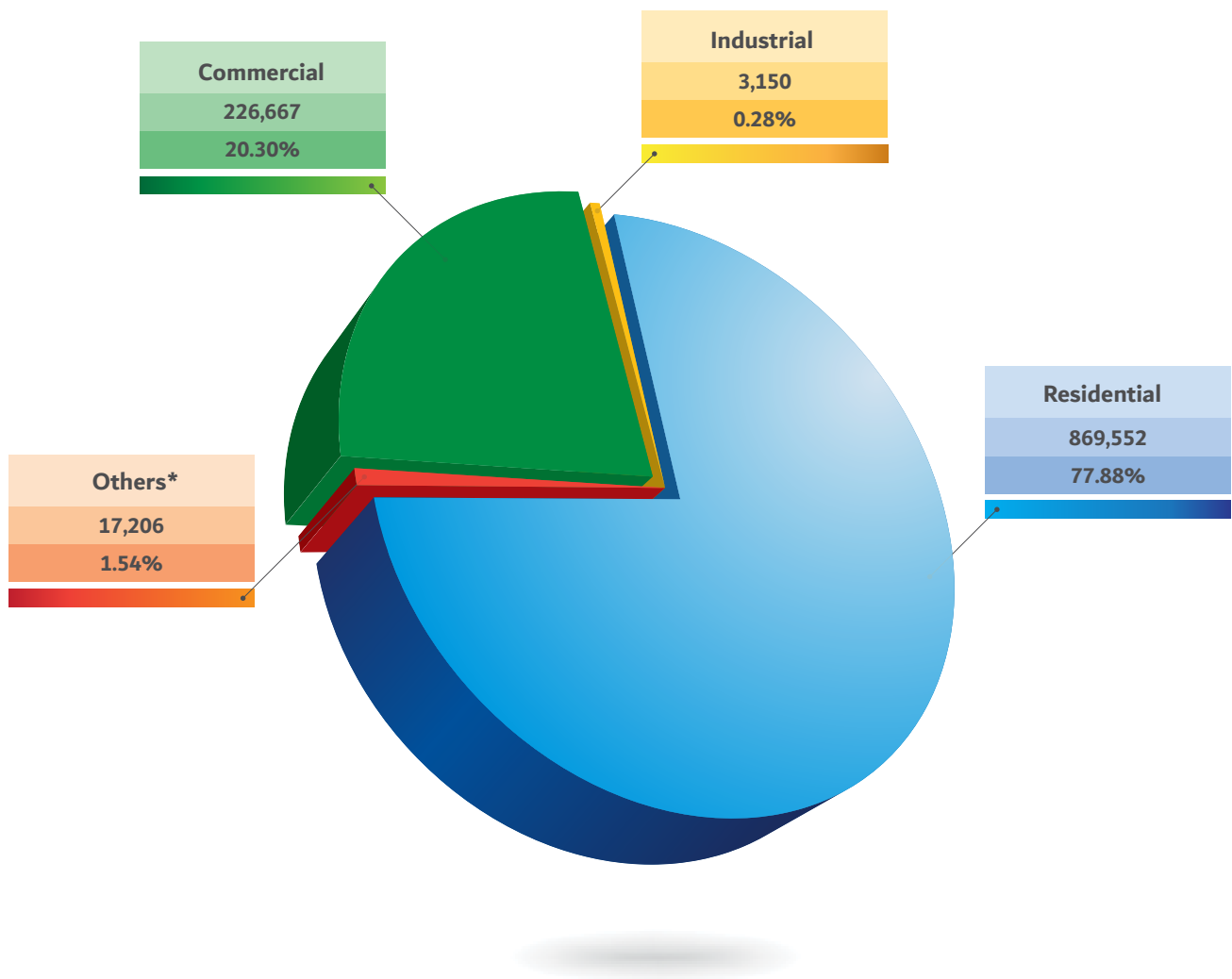
2021

2022

1,061,476

1,116,575

NUMBER OF ELECTRICITY CUSTOMERS 2022



*OTHERS: Non-Commercial (Mosques, Police Stations, Government Hospitals, Government Schools, DEWA's Offices & Premises, etc.)

TOTAL ENERGY REQUIREMENT (GWh)

2021

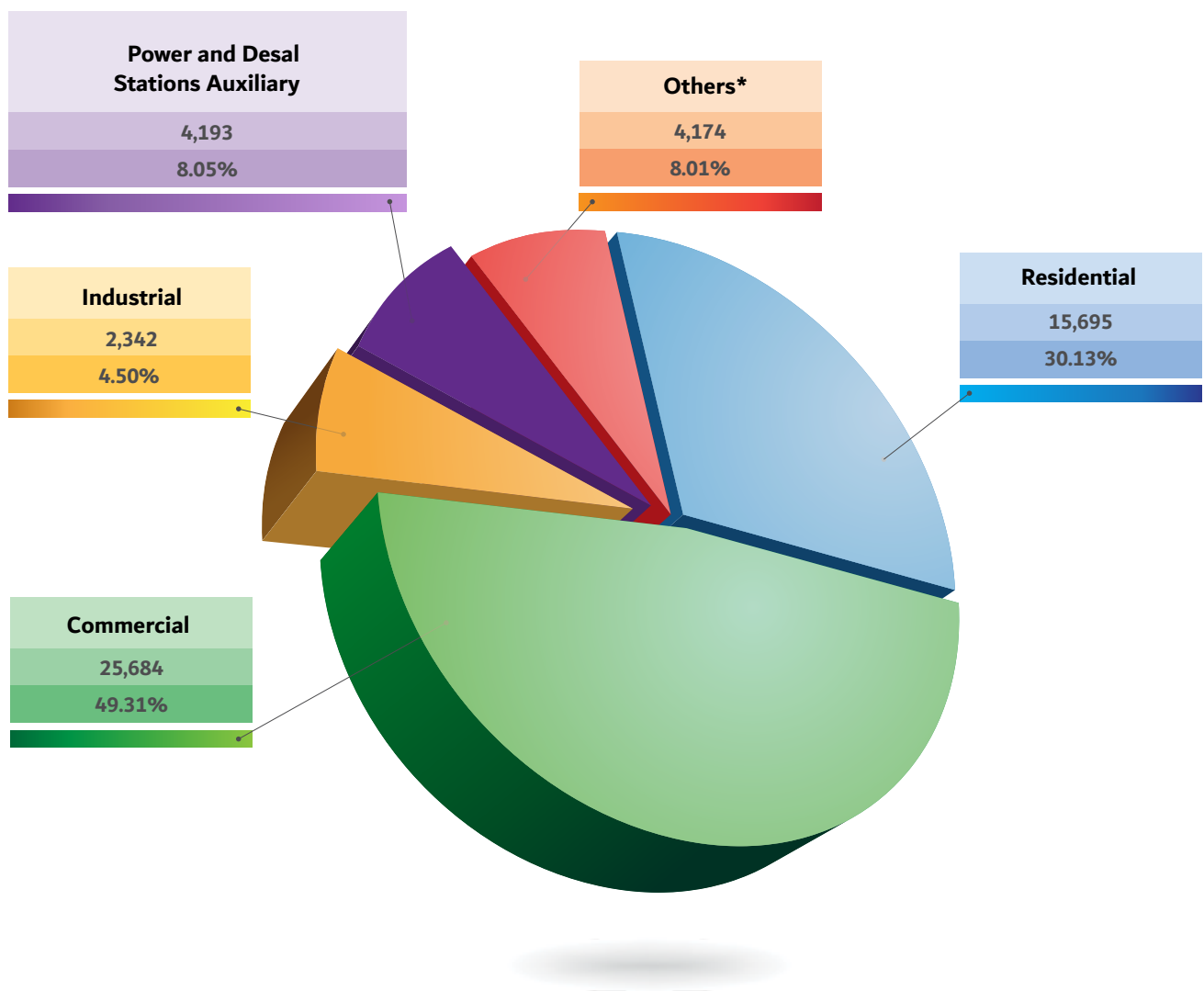
2022

50,401

53,180

GWh: Gigawatt hour

ELECTRICITY CONSUMPTION 2022 (GWh)

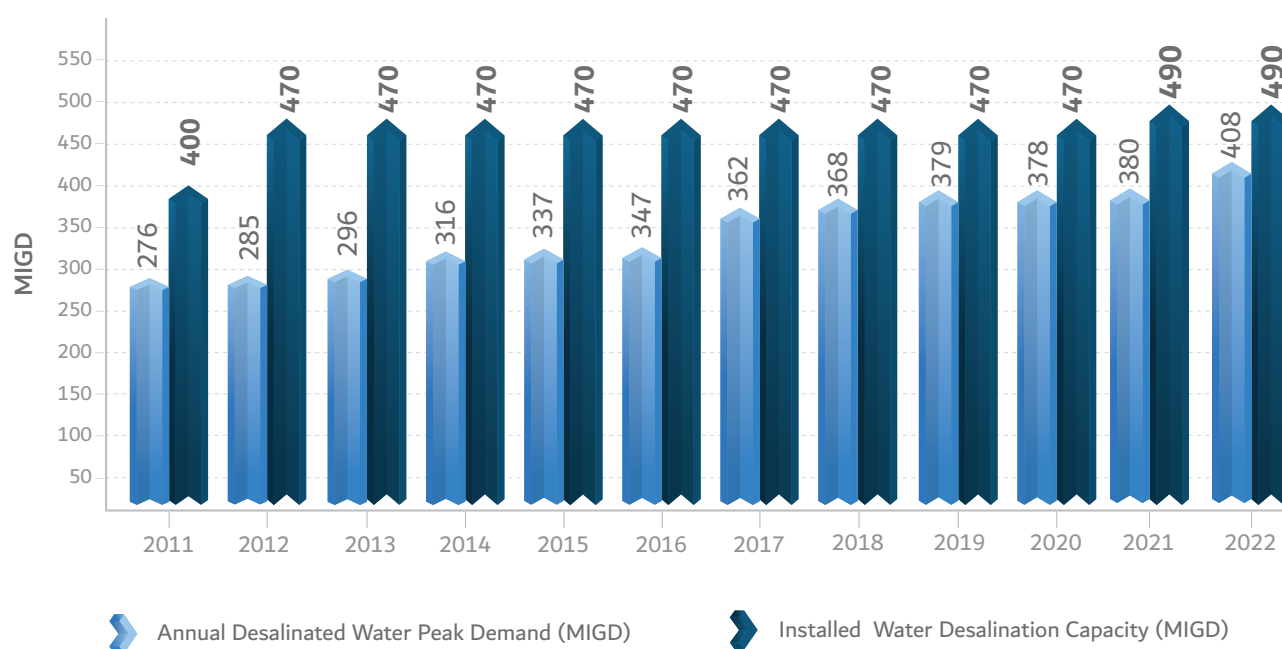


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WATER

WATER PRODUCTION INSTALLED CAPACITY (MIGD)		2021	2022
Desalination Plants	MIGD	490	490
Groundwater Wells	MIGD	36	36

MIGD- Million Imperial Gallons Per Day



DESALINATED WATER PEAK DEMAND (MIGD)	
2021	2022
380	408

MIGD - Million Imperial Gallons per Day

LENGTH OF WATER TRANSMISSION PIPELINES (km)	2021	2022
1200 mm	1,298	1,358
900 mm	348	348
WATER STORAGE CAPACITY (MIG)		2022
Reservoirs	822	822

MIG - Million Imperial Gallons

NUMBER OF WATER CUSTOMERS

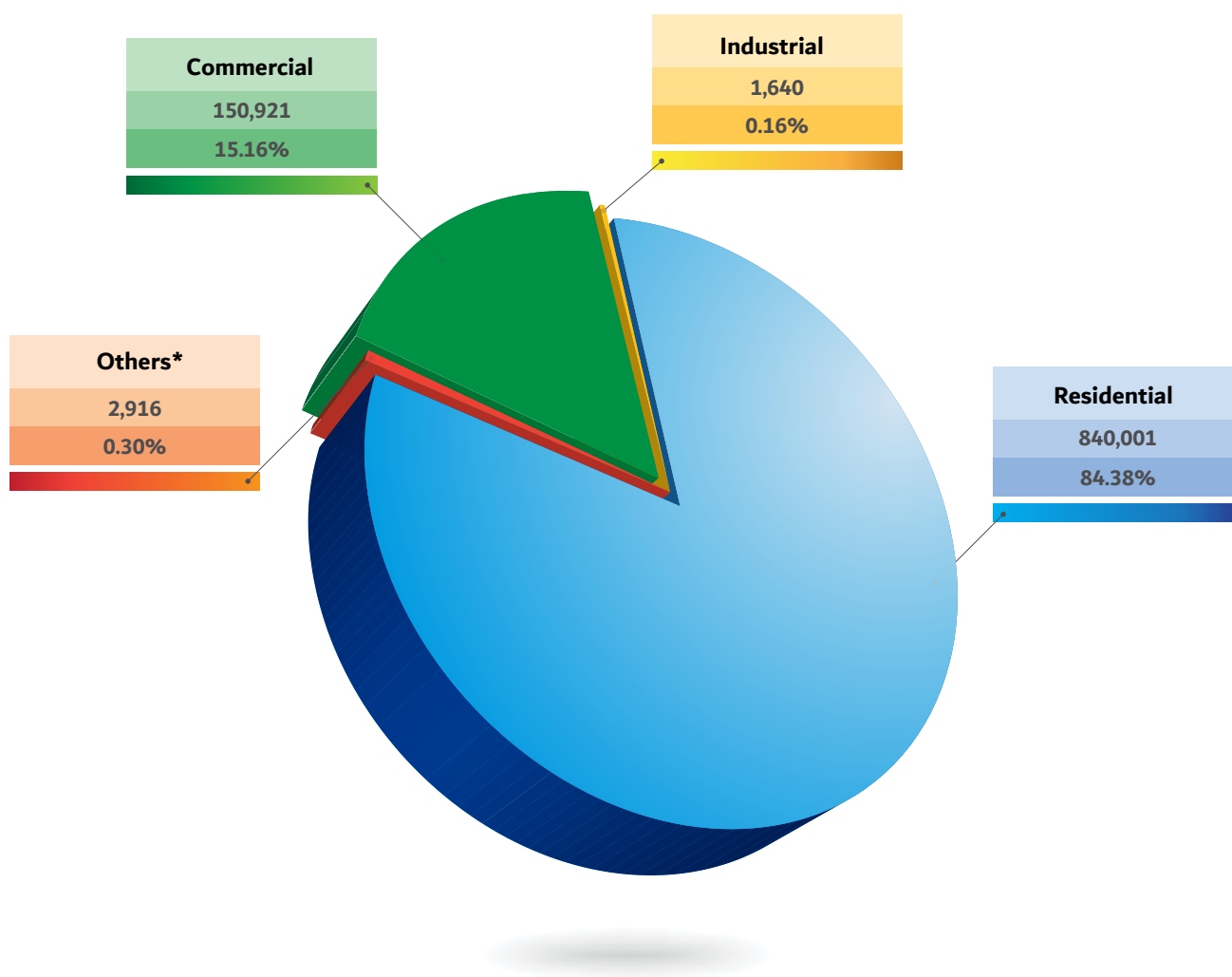
2021

2022

960,032

995,478

NUMBER OF WATER CUSTOMERS 2022

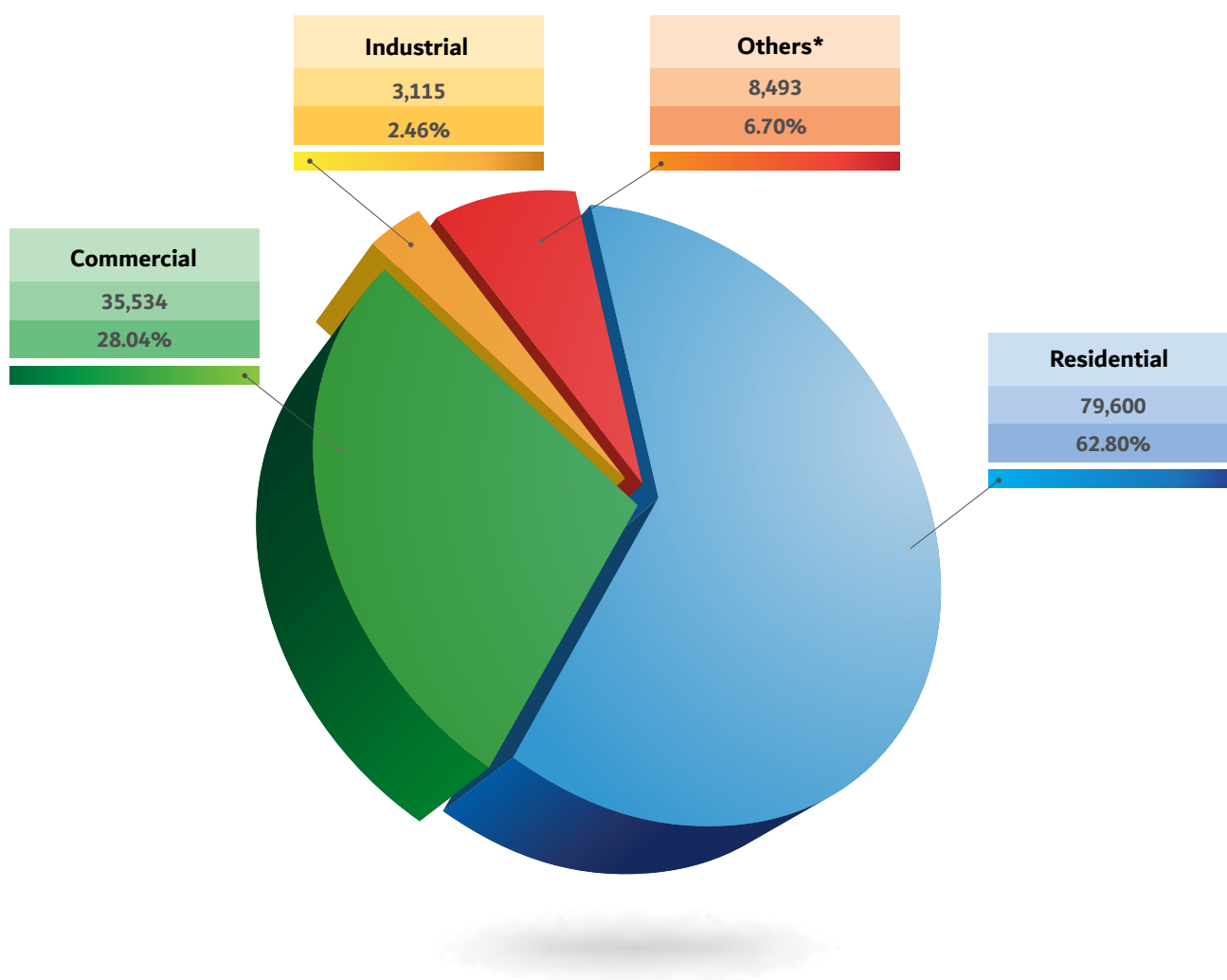


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TOTAL WATER REQUIREMENTS (MIG)	2021	2022
Desalinated Water	128,606	136,977
Groundwater	559	585

MIG - Million Imperial Gallons

WATER CONSUMPTION 2022 (MIG)



*OTHERS: Non-Commercial (Mosques, Police Stations, Government Hospitals, Government Schools, DEWA's Offices & Premises, etc.)

