Curaçao

Energy Report 2025



RAC | Regulatory Authority of Curaçao

November 2026

Curaçao at a glance

This report shows how Curaçao used fuel, electricity and water in 2025, and how renewable energy and electric vehicles are developing.

444 km²
Land area

158,006
Residents on 1 Jan 2026 (CBS)

60,075
Households (2023 census, CBS)

Who supplies energy and water

Fuel
Curoil N.V. (state-owned) imports and sells all regulated fuel: gasoline, diesel, LPG and fuel for the power plants.

Electricity
Aqualectra N.V. (state-owned) produces and distributes electricity. It is the only grid operator. Wind parks and rooftop solar systems also feed into the grid.

Water
Aqualectra N.V. produces drinking water in its own plant and buys water from other plants. It distributes water to all customers.

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How to read the figures

2025 figures data provided by operators. 2026 figures are preliminary and may change. Forecasts and estimates are calculated by RAC and are clearly labelled; they are not official figures. Percentages compare 2025 with 2024 unless stated otherwise.

Message from RAC

This report presents the principal developments in the fuel, electricity, renewable energy, electric vehicle and water sectors of Curaçao in 2025.

The Regulatory Authority Curaçao (RAC) collects data from the operators that supply fuel, electricity and water on the island. Each year, RAC publishes the principal results, so that households, businesses, government bodies and researchers can follow developments in these markets on the basis of reliable information.

The year 2025 was marked by notable change. Wind energy production reached its highest level to date, and more than one third of the electricity supplied was generated from wind and solar sources, compared with approximately one fifth in 2024. Fuel purchases for power generation decreased by approximately one quarter. Water consumption and gasoline sales increased, while electricity consumption remained broadly stable.

Average prices for gasoline, diesel, electricity and water were lower in 2025 than in 2024. In 2026, however, international oil prices rose sharply, and local energy prices followed. These developments underline Curaçao's continued dependence on imported fuel and the importance of the transition to renewable energy and electric mobility.

RAC thanks Aqualectra, Curoil and the Ministry of Traffic, Transport and Urban Planning for providing the data for this report.

2025 at a glance

35.0%
of electricity came from wind and sun

–25%
fuel sold to the power plants

+3.4%
more drinking water sold

978
electric vehicles on the road

C.S. Belfor
CEO, Regulatory Authority Curaçao
Willemstad, October 2026

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2025 in short

1 Is Curaçao using more or less fuel?

Less in total. 316 million liters of regulated fuel were sold in 2025, 12% less than in 2024, as a result of the power plants using 25% less fuel. Gasoline sales rose 3.7% to 122 million liters, the highest level since at least 2017.

2 Is electricity demand rising?

No, it was stable. 720 GWh of electricity was sold (−2.2%). Sales to regular customers were almost unchanged (−0.2%). Households used slightly more, while businesses and industry used slightly less.

3 How green is our electricity?

Greener than ever. Wind and solar supplied 35.8% of electricity, up from 22.0% in 2024. Wind output rose 63% in the first full year of the fourth wind park, Koraal Tabak.

4 Is solar energy growing?

Slowly. Rooftop solar reached 18.4 MWp on 1,132 systems. Only 230 kWp was added in 2025, compared with 1,520 kWp in 2024.

5 Are electric vehicles becoming common?

They are growing fast from a small base. 978 EVs were registered at the end of 2025 (+22%). That is about 1 in 180 vehicles. 1.8% of new vehicles were electric.

6 What changed for households?

Prices fell in 2025: gasoline Cg 2.06 per liter (−3.8%), electricity Cg 0.58 per kWh (−10.8%), water Cg 11.05 per m³ (−3.0%).

What to watch in 2026

- Fuel prices: gasoline reached Cg 2.60 per liter in September 2026 (2025 average: Cg 2.06).
- Wind output and the renewable share (41% in January–June 2026, preliminary).
- Water demand: sales were 8.9% higher in January–June 2026 than a year earlier.
- EV registrations and public charging points.

Energy in numbers 2025

ELECTRICITY

720 GWh
electricity sold
−2.2% vs 2024

35.0%
from wind and solar
2024: 21.5%

90,169
electricity connections

WIND, SOLAR AND EVs

331 GWh
wind electricity
+63% vs 2024

18.4 MWp
rooftop solar capacity on 1,132 systems
+1.3% vs 2024

978
electric vehicles registered
+22% vs 2024

WATER

10.9 M m³
water sold
+3.4% vs 2024

15.5 M m³
water produced
+1.1% vs 2024

88,624
water connections

FUEL

122.0 M L
gasoline sold
+3.7% vs 2024

44.3 M L
diesel sold
−0.5% vs 2024

141.0 M L
fuel sold to power plants
−25% vs 2024

AVERAGE PRICES 2025

Cg 2.06
gasoline per liter
−3.8% vs 2024

Cg 1.64
diesel per liter
−8.2% vs 2024

Cg 0.58
electricity per kWh
−10.8% vs 2024

Cg 11.05
water per m³
−3.0% vs 2024

Key takeaway

Total electricity demand was stable, but the share of renewable production increased. Gasoline use and water use kept rising. Average prices for fuel, electricity and water were lower than in 2024.

M L = million liters. M m³ = million cubic meters.
Sources: Curoil N.V., Aqualectra N.V., Ministry of Traffic, Transport and Urban Planning and RAC calculations.

Gasoline sales reached a new high

All regulated fuel on Curaçao is imported by Curoil N.V. In 2025, 316 million liters were sold, 12% less than in 2024. Less fuel for power plants is the reason for the decline. Transportation fuel increased.

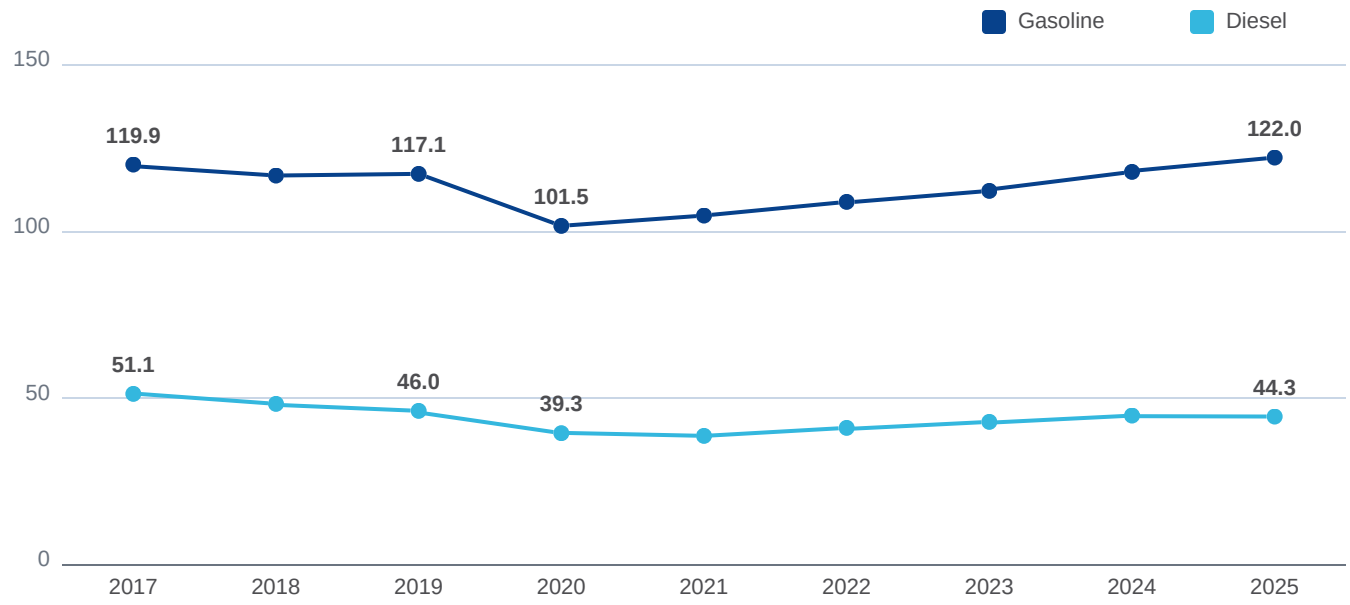
316.2 M L
total regulated fuel sold
–12.1% vs 2024

122.0 M L
gasoline sold
+3.7% vs 2024

777 L
gasoline per resident*
2024: 754 L
**average residents 2024-2025 CBS*

Gasoline use is above its 2017 level; diesel has not fully recovered

Sales of gasoline and diesel, 2017–2025, million liters



Gasoline sales were 4% higher than in 2019, before COVID-19. Diesel sales were still 4% lower than in 2019.

What this means

Households
More gasoline is being used, mostly by private cars. Pump prices therefore affect many family budgets.

Businesses
Demand for transport fuel keeps growing. December is the busiest month for gasoline sales.

Government
Every extra liter sold must be imported. Gasoline use is a key indicator for transport and energy policy.

Key takeaway
Gasoline sales have grown every year since 2020 and passed the 2017 level in 2025. Diesel sales remained practically unchanged.

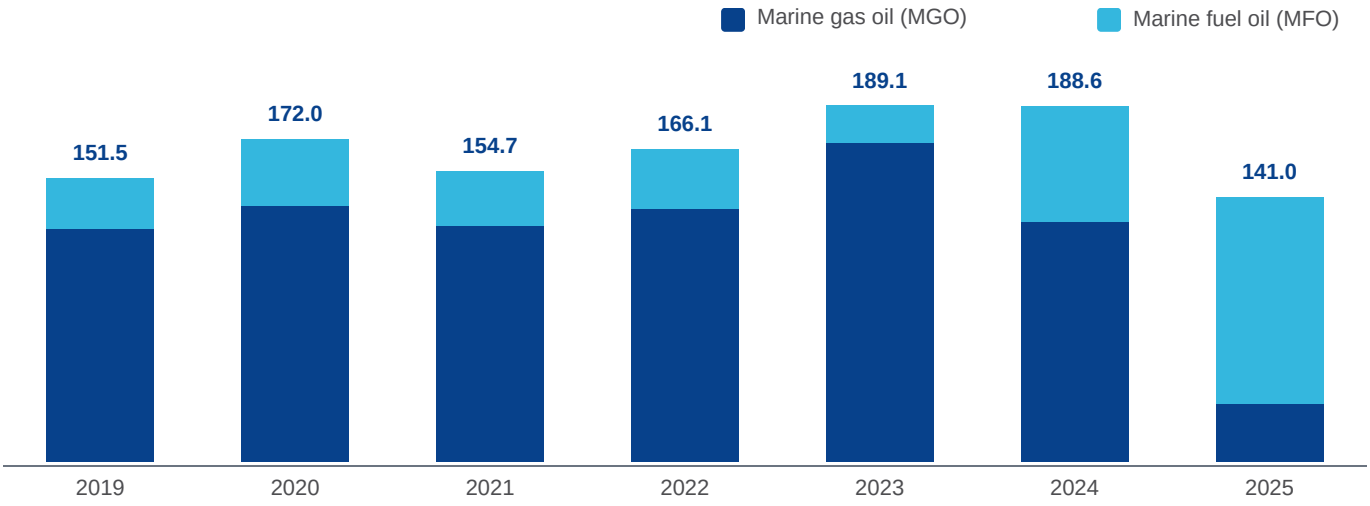
Per-resident figure uses the CBS average population for 2025 (157,061).
Source: RAC, based on Curoil N.V. monthly sales data.

Power plants used a quarter less fuel

Aqualectra buys marine gas oil (MGO) and the heavier marine fuel oil (MFO) from Curoil to run its power plants. In 2025 it bought 141 million liters, 25% less than in 2024. Less fuel was needed because wind produced much more electricity.

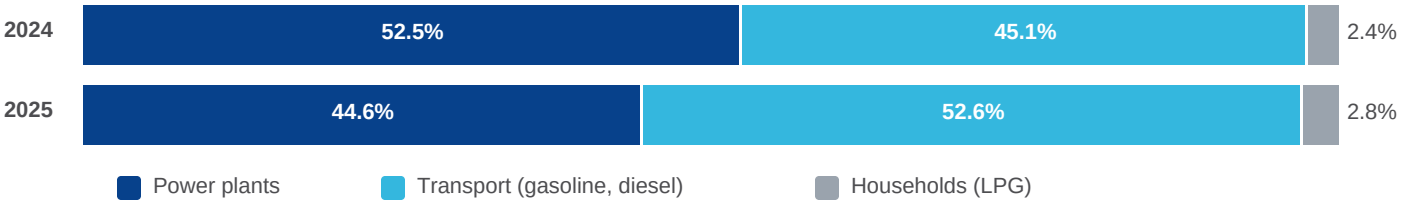
Fuel for power fell to its lowest level since 2018, and most of it is now MFO

Fuel sold to power plants by type, 2019–2025, million liters



Regulated transportation fuel surpasses fuel for the power plants

Share of regulated fuel sales by use, 2024 and 2025, percent



Cooking gas (LPG)

41,195
large 100 lb cylinders sold
−0.9% vs 2024

272,793
20 lb cylinders (incl. bulk)
+3.2% vs 2024

8.8 M L
LPG sold in total
+1.4% vs 2024

Data note

Curoil sold 25% less fuel to the power plants, while Aqualectra reports 14% less fuel used (in tonnes). This difference is normal: Aqualectra keeps fuel in storage, so the fuel bought in a year is not the same as the fuel used.

Key takeaway

Less fuel for power plants is the main reason total fuel sales fell in 2025. Fuel for transport kept growing.

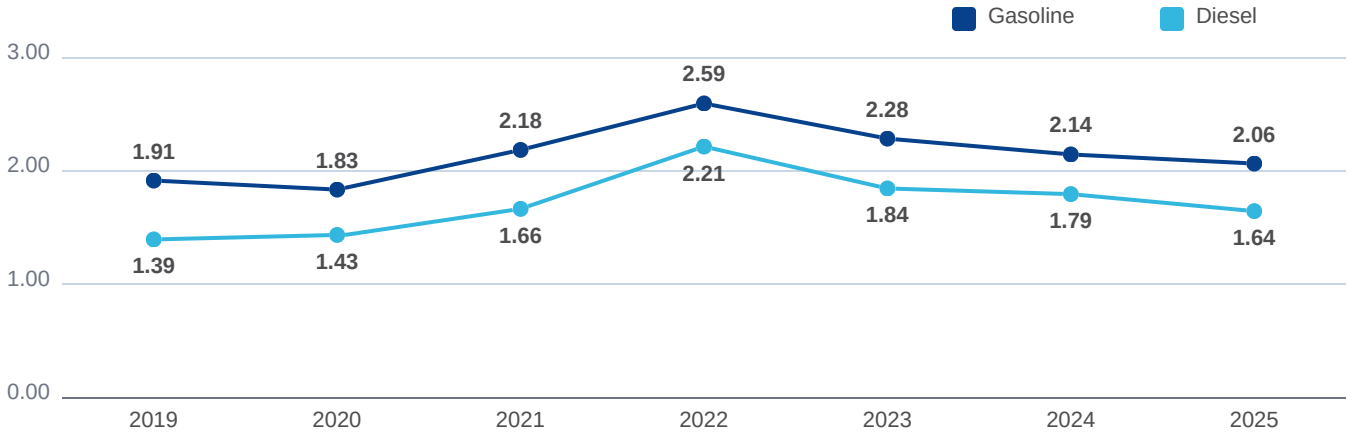
Source: RAC, based on Curoil N.V. monthly sales data; Aqualectra N.V. for fuel used.

Pump prices fell in 2025

RAC sets the maximum pump prices of gasoline, diesel and cooking gas. These prices follow world oil prices, with a delay. In 2025, world oil was cheaper, so prices at the pump went down.

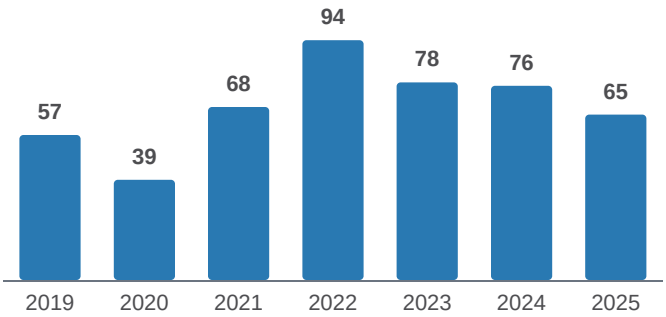
Pump prices in 2025 were the lowest since 2020

Average retail price of gasoline and diesel, 2019–2025, Cg per liter



World oil was 15% cheaper in 2025

WTI crude oil, yearly average, US$ per barrel



PRICES IN 2026 (PRELIMINARY)

Cg 2.60

gasoline per liter in September 2026, 26% above the 2025 average

Cg 2.37

diesel per liter in September 2026, 44% above the 2025 average

World oil passed US$100 per barrel in April–May 2026.

Busiest month: December

Gasoline sales peak in December every year. In December 2025, 11.4 million liters were sold, 12% more than in an average month.

Key takeaway

In 2025 gasoline cost on average Cg 2.06 per liter (−3.8%) and diesel Cg 1.64 (−8.2%). Since April 2026 prices have risen sharply with world oil prices.

Source: RAC monthly tariffs; West Texas Intermediate (WTI) crude oil prices.

Wind power broke records in 2025

Aqualectra makes most of Curaçao's electricity in its power plants. Wind parks and solar panels add clean power. In 2025 the wind parks produced 331 GWh, 63% more than in 2024.

(1 GWh = 1 million kWh.)

972 GWh
total production
−1.1% vs 2024

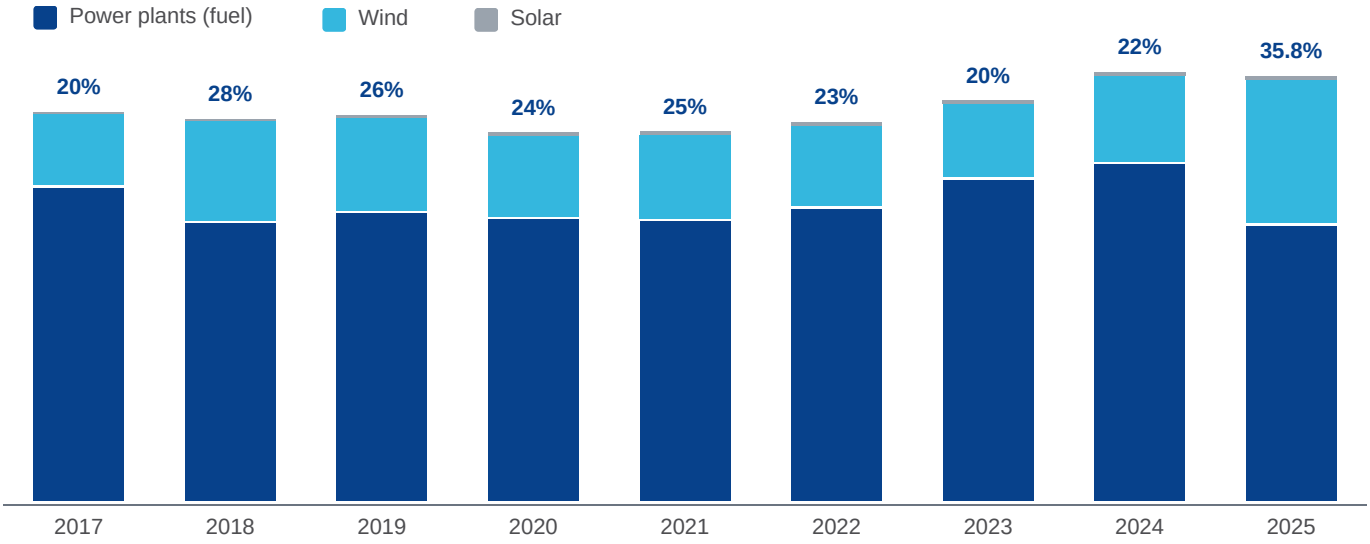
35.0%
renewable share
21.5% in 2024

331 GWh
from wind
+63.4% vs 2024

632 GWh
from power plants
−18.1% vs 2024

More than a third of electricity now comes from wind and sun

Electricity produced by source, 2017–2025, GWh. (Percentage above each bar is the renewable share)



What keeps the lights on

Main parts of the power system, 2025

152 MW
engines in power plants (run on fuel)

70 MW
wind power in 4 wind parks

25 MW
battery (45 MWh) that stores power

~145 MW
highest demand at one moment (peak)

Key takeaway

Thanks to more wind, power plants burned 14% less fuel in 2025. Still, about 64% of all electricity was made from imported fuel.

Renewable share = (wind + solar fed into the grid) ÷ total production.
Solar shown here is only solar fed into the grid; solar used directly by homes and businesses is not quantified.
Source: RAC, based on Aqualectra N.V. production data and power generation information (2026).

Electricity consumption unchanged

Aqualectra sold 720 GWh of electricity in 2025, 2.2% less than in 2024. Sales to the main customer groups barely changed (−0.2%). Households with prepaid meters used 6% more.

720 GWh
electricity sold
−2.2% vs 2024

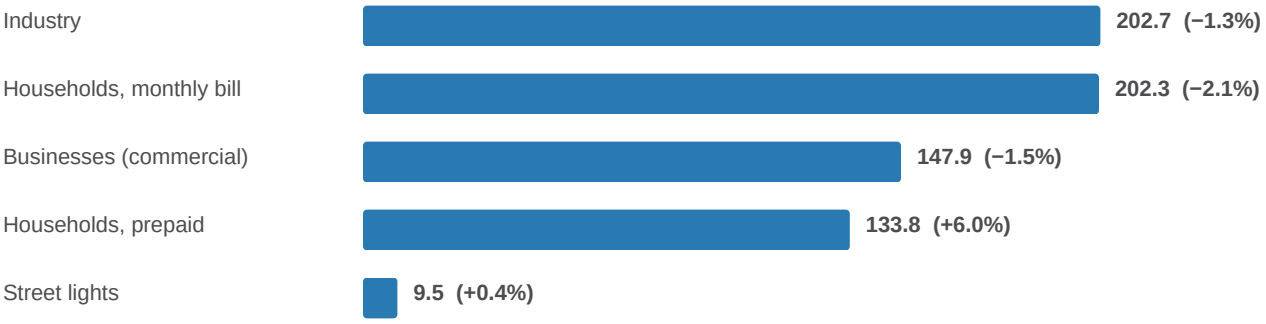
90,169
customer connections

466 kWh
per household per month*
**CBS census 2023 - 60,075*

4,582 kWh
per resident per year*
**average residents 2024-2025 CBS*

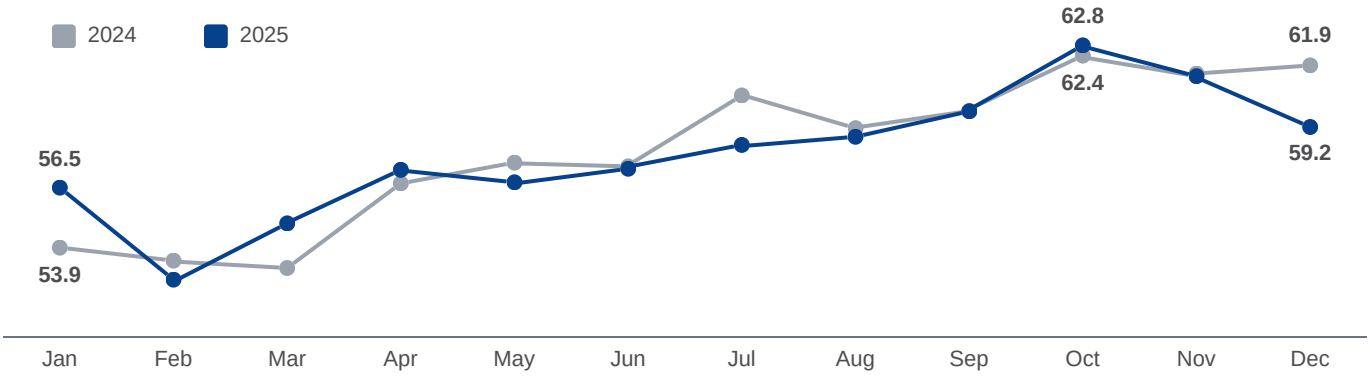
Industry and households use the most electricity

Electricity sold by customer group, 2025, GWh (change vs 2024)



Demand peaks in the hot months from August to November

Electricity sold per month, 2024 and 2025, GWh. Axis starts at 50 GWh to show the pattern.



Key takeaway

Electricity use was stable in 2025. Prepaid households used more, while businesses and industry used slightly less. Consumption peaked in October at 62.8 GWh.

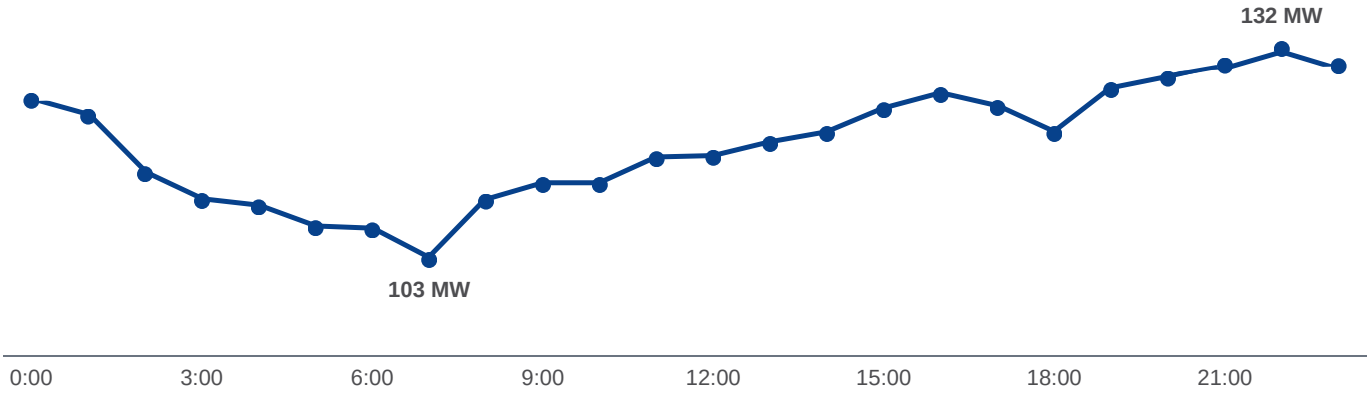
Per-household figure uses household sales and household connections
Source: RAC, based on Aqualectra N.V. sales data.

Power was cheaper in 2025

The average price of electricity fell 10.8% to Cg 0.58 per kWh. The decline is the result of cheaper fuel prices and increased wind production.

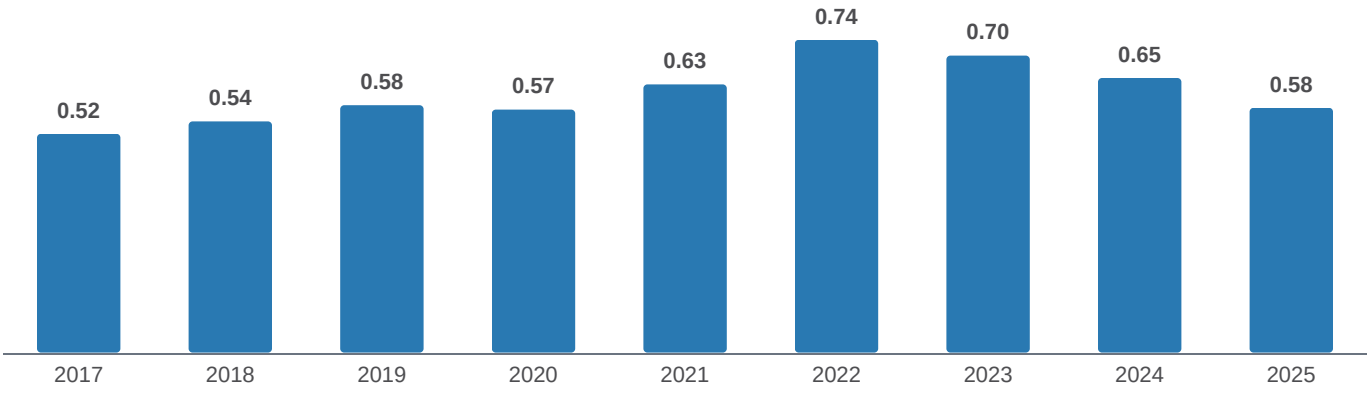
Demand is highest late in the evening

Electricity demand over one example day, by hour, MW. Axis starts at 90 MW to show the pattern.



The average price per kWh is back near its 2019 level

Average electricity price (all customers), 2017–2025, Cg per kWh



Key takeaway

Electricity was 10.8% cheaper on average in 2025. Peak demand (about 145 MW) comes in the evening, when households consume more electricity.

The day profile is an example day from Aqualectra, not a yearly average.
Source: RAC, based on Aqualectra N.V. sales data and power generation information (2026).

Solar growth slowed in 2025

More homes and businesses now have solar panels on their roofs. By October 2025, Curaçao had 1,132 registered solar installations with 18.4 MWp of capacity.

(MWp = megawatt-peak, the most power the panels can give in full sun.)

18.4 MWp
registered capacity
+1.3% vs 2024

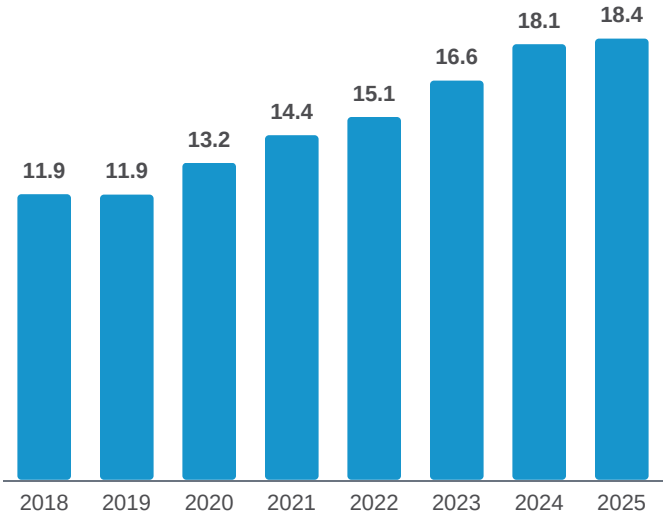
1,132
solar installations
+60 vs 2024

230 kWp
new capacity added
1,520 kWp in 2024

+54%
capacity growth since 2018

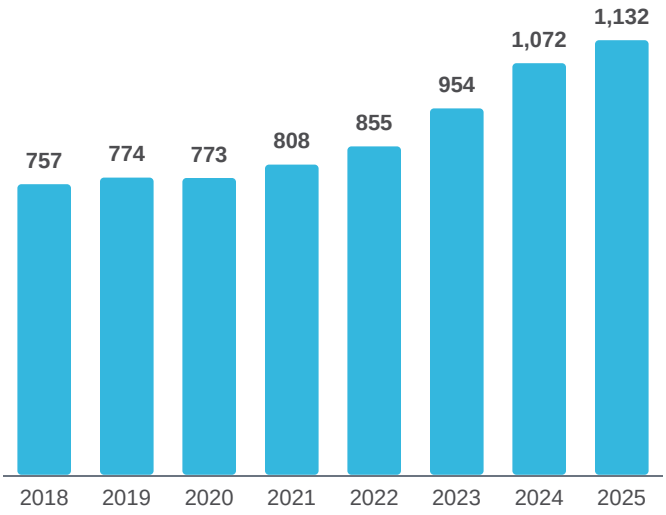
Capacity grew 54% since 2018

Registered solar capacity, MWp



Installations rose from 757 to 1,132

Number of registered solar installations



Not all solar is counted

Aqualectra estimates that there is approximately 30 MW of solar panels capacity at homes and businesses, more than the 18.4 MWp that is registered. Solar fed into the grid was 8.8 GWh in 2025 (0.9% of production). Power used directly by the owner is not measured.

Key takeaway

Growth slowed sharply: only 230 kWp was added in 2025, against 1,520 kWp in 2024.

The 30 MW figure is an Aqualectra estimate.
Source: RAC solar data (to 31 October 2025, so 2025 is a partial year); Aqualectra N.V. production data and power generation information (2026).

More electric cars, but still few

At the end of 2025 there were 978 fully electric vehicles (EVs) on Curaçao's roads, 22% more than in 2024. Still, EVs are only 0.6% of all 174,872 vehicles.

978
electric vehicles
+21.6% vs 2024

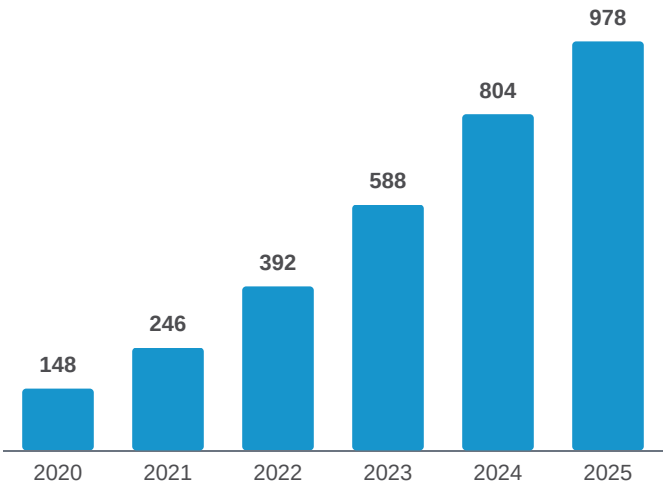
0.56%
of all vehicles

388
new EVs in 2025
1.8% of new vehicles

6.2
EVs per 1,000 residents

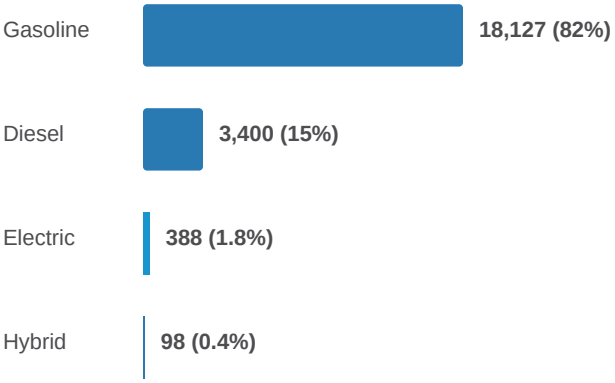
Six times more EVs than in 2020

Electric vehicles registered, end of year



Most new vehicles still run on gasoline

New vehicles registered in 2025, by fuel



ILLUSTRATIVE ESTIMATE

978 EVs use about 2.1 GWh of electricity a year (0.3% of sales) and save about 1.0 million liters of gasoline (0.8% of gasoline sales).
Assumptions are that a vehicle drives 12,000 km a year which is approximately 0.18 kWh per km or 12 km per liter.

Key takeaway

EVs are growing fast from a small base. For now, their effect on electricity demand and fuel imports is small, namely less than 1%.

The 2024 EV figure was revised from 741 to 804. Hybrids are not shown in the fleet chart because their classification changed.
Source: Ministry of Traffic, Transport and Urban Planning, based on the vehicle register (vehicle fleet by fuel type).

People used more water in 2025

Aqualectra sold 10.9 million m³ of drinking water in 2025, 3.4% more than in 2024. It produced a total of 15.5 million m³ from which about half came from its own plant and half was bought.

(1 m³ = 1,000 liters.)

10.9 M m³
water sold
+3.4% vs 2024

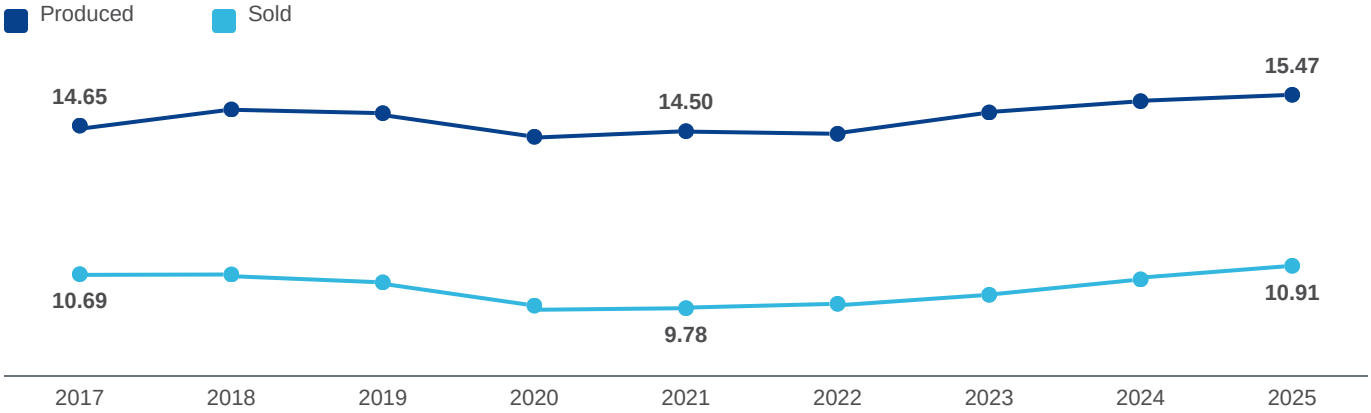
15.5 M m³
water produced
+1.1% vs 2024

190 L
per resident per day
**average residents 2024-2025 CBS*

Cg 11.05
price per m³ (avg.)
−3.0% vs 2024

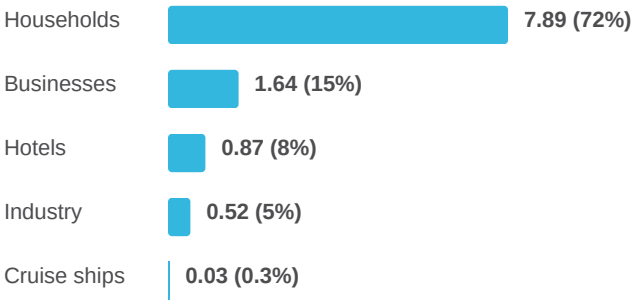
Water sales have grown every year since 2021

Water produced and sold, 2017–2025, million m³. Axis starts at 8 to show the change.



Households consume 72%

Water sold by user group, 2025, million m³



Half of the water is bought

Where the water came from, 2025, share of production



Key takeaway

Water sales are now about 12% higher than in 2021 and there is an improvement in the loss of water.

Source: RAC, based on Aqualectra N.V. water production and sales data.

Energy transition scorecard

This page provides an overview of the changes in the sector indicators between 2024 and 2025.

Indicator	2024	2025	Change	What it means
Electricity sold	736 GWh	**720 GWh**	**−2.2%**	Use stayed almost the same
Renewable share of electricity	22.0%	**35.8%**	**+13.8 pts**	Over 1/3 from wind and sun
Wind power produced	203 GWh	**331 GWh**	**+63%**	Record year for wind
Solar capacity registered	18.2 MWp	**18.4 MWp**	**+1.3%**	Growth has slowed
Electric vehicles registered	804	**978**	**+21.6%**	Still under 1% of all cars
Regulated fuel sold	360 M L	**316 M L**	**−12.1%**	Mainly less fuel for power
Fuel sold to power plants	189 M L	**141 M L**	**−25.2%**	Wind replaced fuel
Gasoline sold	118 M L	**122 M L**	**+3.7%**	More driving
Water sold	10.55 M m³	**10.91 M m³**	**+3.4%**	Demand keeps rising
Water produced	15.30 M m³	**15.47 M m³**	**+1.1%**	Grew less than sales

Four questions, short answers

Is Curaçao using less fossil fuel?

Yes. Power plants bought 25% less fuel in 2025, but transportation fuel has increased.

Is electricity demand growing?

Not in 2025: sales fell 2.2%. Early 2026 data show growth of about 3%.

Is solar growing faster than demand?

No. Registered solar grew about 1% and new installations slowed down.

Do EVs matter for the grid yet?

Not yet. 978 EVs use an estimated 2 GWh a year, about 0.3% of sales.

Key takeaway

Wind made the biggest impact in 2025 resulting in a quarter less fuel sold for power plants.

Sources: Curoil N.V., Aqualectra N.V., Ministry of Traffic, Transport and Urban Planning and RAC calculations.

Demand rose in early 2026

PRELIMINARY · January–June 2026 data are not final and may change. Projections are not official figures.

In the first half of 2026, Curaçao used more electricity, water and transport fuel than in 2025. Once again power plants bought slightly less fuel, while wind and sun supplied a larger share.

Electricity and water use grew in January–June 2026

January–June 2026 (preliminary) compared with January–June 2025

Indicator	Jan–Jun 2025	Jan–Jun 2026	Change
Electricity sold	335.5 GWh	**345.9 GWh**	**+3.1%**
Renewable share of electricity	39.8%	**41.4%**	**+1.6 pts**
Fuel sold to power plants	63.9 M L	**62.7 M L**	**−1.8%**
Gasoline sold	60.1 M L	**62.3 M L**	**+3.5%**
Diesel sold	21.7 M L	**21.9 M L**	**+1.1%**
Water sold	5.46 M m³	**5.94 M m³**	**+8.9%**
Water produced	7.57 M m³	**8.13 M m³**	**+7.4%**

What could the full year 2026 look like?

Electricity sold

732 GWh

baseline, full year 2026

Range: 722–742 GWh

2025 actual: 720 GWh

Water sold

11.7 M m³

baseline, full year 2026

Range: 11.6–11.9 M m³

2025 actual: 10.9 M m³

Electric vehicles

≈1,170

by end of June 2026

If the 2025 pace continues

End of 2025: 978

How we made the projections

- Full year 2026 = January–June 2026 (actual) + July–December 2025 (actual) × an assumed growth rate.
- Low = growth rate of 2025 (electricity −2.2%, water +3.4%).
- High = growth rate of January–June 2026 (electricity +3.1%, water +8.9%).
- Baseline = halfway.
- EVs: 978 at the end of 2025 plus half of the 388 EVs added in 2025.
- Weather, tourism, oil prices and new wind or solar projects can change the result.

Key takeaway

Electricity consumption is increasing again in 2026, while water is increasing faster. Fuel prices rose sharply since April 2026, so costs for households and businesses may increase in 2026.

Source: RAC, based on preliminary January–June 2026 data from Aqualectra N.V. and Curoil N.V. and registration data for EVs.

How to read this report

Words used in this report

Cg
Caribbean guilder, the currency of Curaçao.

EV
Electric vehicle, as recorded in the vehicle register.

kWh, MWh, GWh
Units of electricity. 1 GWh = 1,000 MWh = 1 million kWh.

m³ (cubic meter)
1,000 liters of water.

MGO and MFO
Marine gas oil and marine fuel oil, used in the power plants.

MW and MWp
Power capacity. MWp is the peak output of solar panels in full sun.

pts
Percentage points: the difference between two percentages.

Regulated fuel
Gasoline, diesel, LPG and fuel for power plants, sold by Curoil N.V.

Renewable share
Wind and solar fed into the grid, divided by net production.

Water lost or not billed
Water produced but not paid for, for example leaks, meter errors or theft.

WTI
West Texas Intermediate (WTI) crude oil prices

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