Quarterly statistics Green Power Sweden

Second quarter 2026

2026-09-21

Anton Johansson

Analysis & market

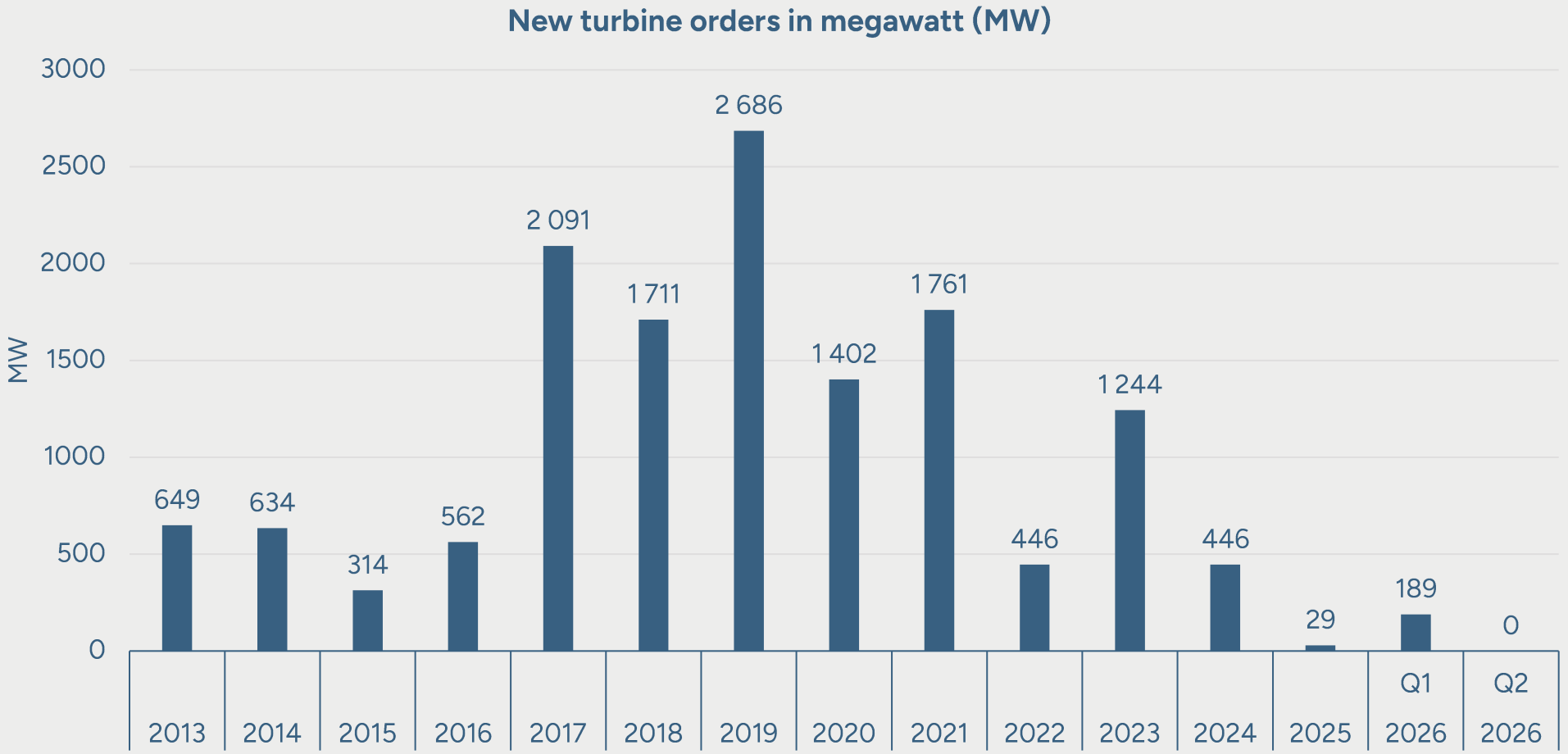
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Summary second quarter 2026

- The second quarter of 2026 was a standstill for wind power, with no new turbines ordered. This lack of new orders risks slowing the growth of wind power production in the coming years.
- Solar power followed a similar pattern, with no new investment decisions made during the quarter. This should, however, be put in perspective: in the previous quarter, an investment decision was made for Sweden's largest solar park to date.
- For offshore wind power in Sweden, the quarter was a major setback. Eleven projects were rejected on defence grounds, while only two were approved. The rejections mean a loss of potential future electricity production of approximately 120 TWh, equivalent to roughly three quarters of Sweden's current annual electricity production of about 160 TWh.
- At the same time, 11.5 GW of wind power, both onshore and offshore, is awaiting environmental permits. Together, these projects are estimated to be able to contribute around 31 TWh of electricity annually.
- Production during the quarter was strong. Wind and solar power both performed well and together accounted for 32 percent of Sweden's total electricity production, while hydropower contributed 42 percent and nuclear power 22 percent.
- In the first half of 2026, wind power, solar power and energy storage together accounted for 27 percent of total electricity production, in line with the same period the previous year.

No new turbine orders during the second quarter 2026



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The expansion of wind power will continue until 2028, after which the situation is uncertain

Commissioning of wind power, 2025–2028, in MW

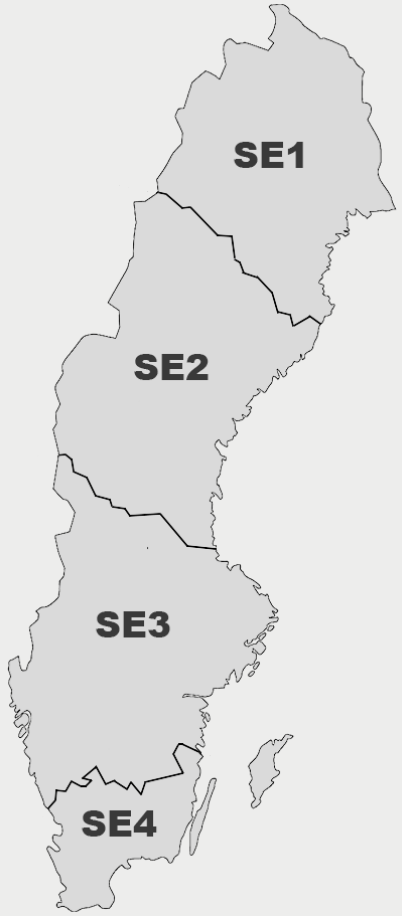
In operation 2025-12-31	2025 Q3	2025 Q4	2026 Q1	2026 Q2	2026	2027	2028	In operation 2028-12-31
18 343	277	1 042	175	36	527	234	189	19 578

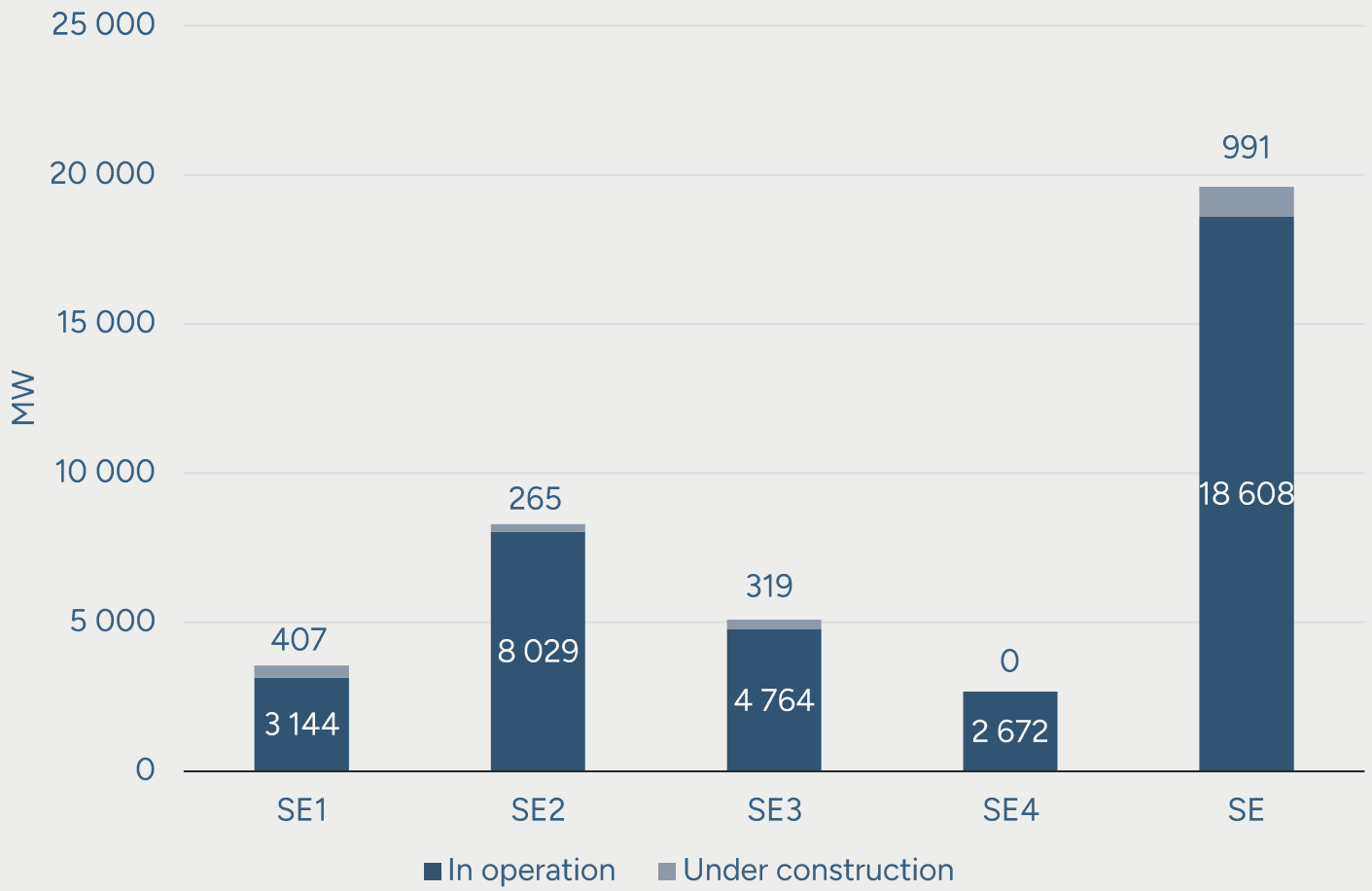
Wind power expansion continues on the basis of earlier investment decisions, but at a slower pace than the peak years of 2022–2023.

In addition to what is currently under construction, there are over 1.6 GW in announced projects that could be operational before 2030, provided improved market conditions enable investment decisions.

Distribution of wind power by bidding zone

Installed capacity and wind power projects under construction, in MW





The diagram shows wind power in operation and wind power under construction in MW, broken down by bidding zone.

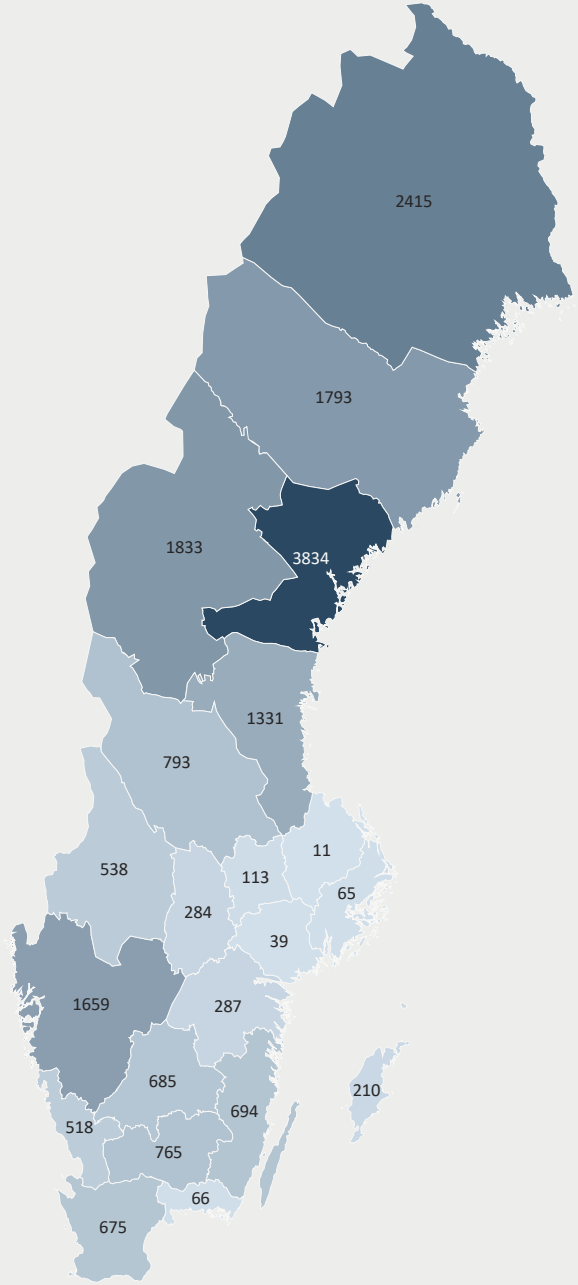
Projects under construction are expected to be completed by 2028.

* Note that the total installed effect doesn't match if the operational effect from the previous slide is added together. There can be small adjustments between quarters.

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Wind power is unevely distributed

- Wind power is not evenly distributed across Sweden. The graph on the right shows how installed capacity varies between counties.
- Wind power in Sweden has mainly been established in the north. This is largely explained by the fact that northern areas are less densely populated, which facilitates the permitting process.
- Furthermore, industries in northern Sweden have announced a sharp increase in electricity demand, which wind power can and should meet.
- Counties with higher installed capacity tend to have a higher degree of self-sufficiency, which in turn contributes to lower electricity prices.



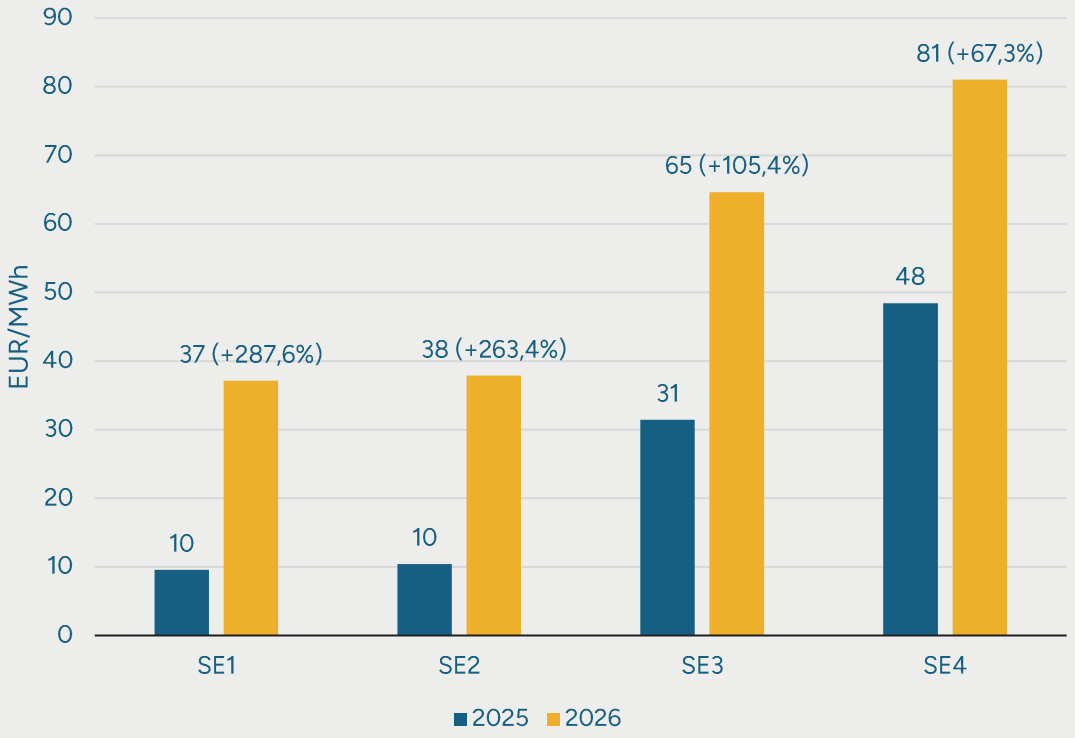
*Operational effect in megawatt (MW)
** Note that there can be small adjustments between quarters

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Higher electricity prices continue into the second quarter

- Electricity prices in the second quarter were significantly higher than in the same period last year, meaning that the high price level already recorded in the first quarter has continued.
- There are several possible explanations for the high prices. Russia's invasion of Ukraine sharply reduced gas flows to Europe, and the situation has since deteriorated further as a result of the conflict between the US and Iran.
- At the same time, Swedish nuclear power has undergone extensive outage and maintenance work. When nuclear production falls, supply on the electricity market decreases. Combined with low inflow to the hydropower reservoirs, this has contributed to a rise in the equilibrium price.
- The electricity price is only one component of what consumers pay in total. The largest share is often made up of VAT, taxes and grid fees. Sweden's electricity tax of 36 öre/kWh is one of the highest in Europe.

Spotprice, average April-June, per bidding area
Price change in parenthesis



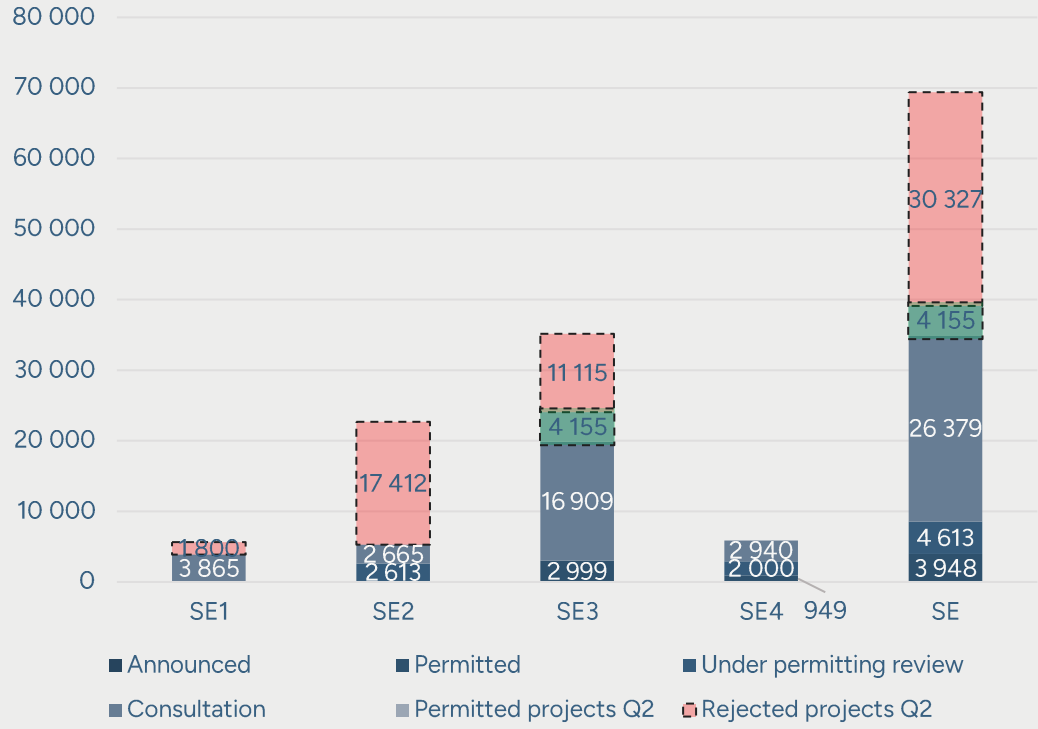
Source: Nordpool

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Several rejections for offshore wind power

- The second quarter was a major setback for offshore wind power in Sweden. Of the 13 applications processed, 11 were rejected.
- The decisions sharply reduce the future production potential of offshore wind power in Sweden. In just one quarter, a large part of the project portfolio that had previously been considered for development disappeared.
- The 11 rejected projects together represented an installed capacity of about 30,000 MW. By comparison, Sweden's total installed wind power capacity today amounts to just over 18,600 MW.
- During the quarter, two projects were approved. Together they represent an installed capacity of about 4,100 MW and have the potential to produce household electricity for roughly two million houses per year.

Project portfolio offshore wind, Q2 2026
Red bars = effect that was rejected
Green bars = effect that was permitted



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Concept definitions of the project portfolio

Under construction: All permits ready, and turbines ordered.

Announced: Projects with permits and investors, where investments decisions have not been made.

Permitted: Projects with environmental permits, where the grid concession (electricity grid permit) is pending.

Under permitting review: Projects that have applied for an environmental permit to the County Council or the Government.

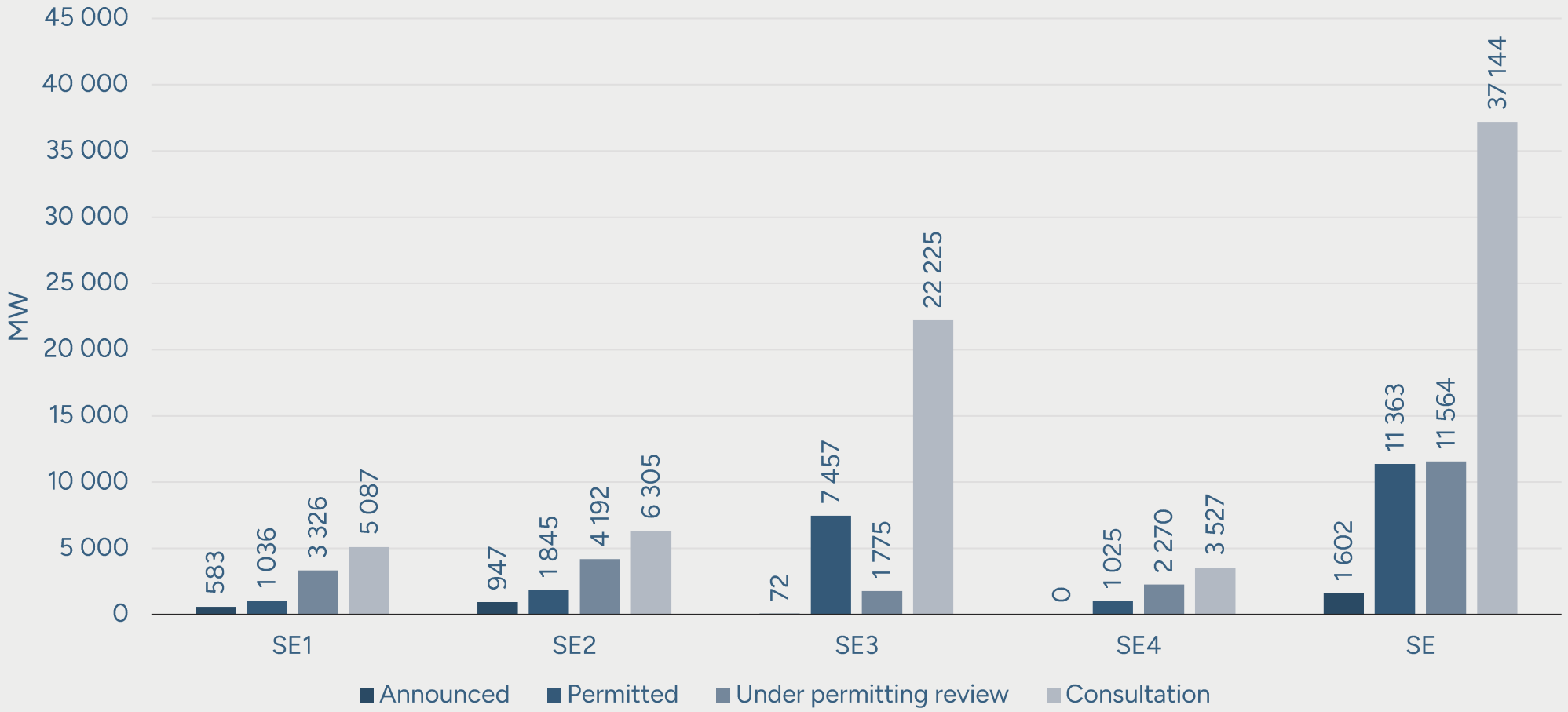
Consultation: The consultation procedure under the Environmental Code is underway.

Green Power Sweden's project portfolio is a weighted assessment based on:

- Data from Green Power Sweden member companies
- Media reporting
- Market statistics from the Swedish Energy Agency

Project portfolio, second quarter 2026

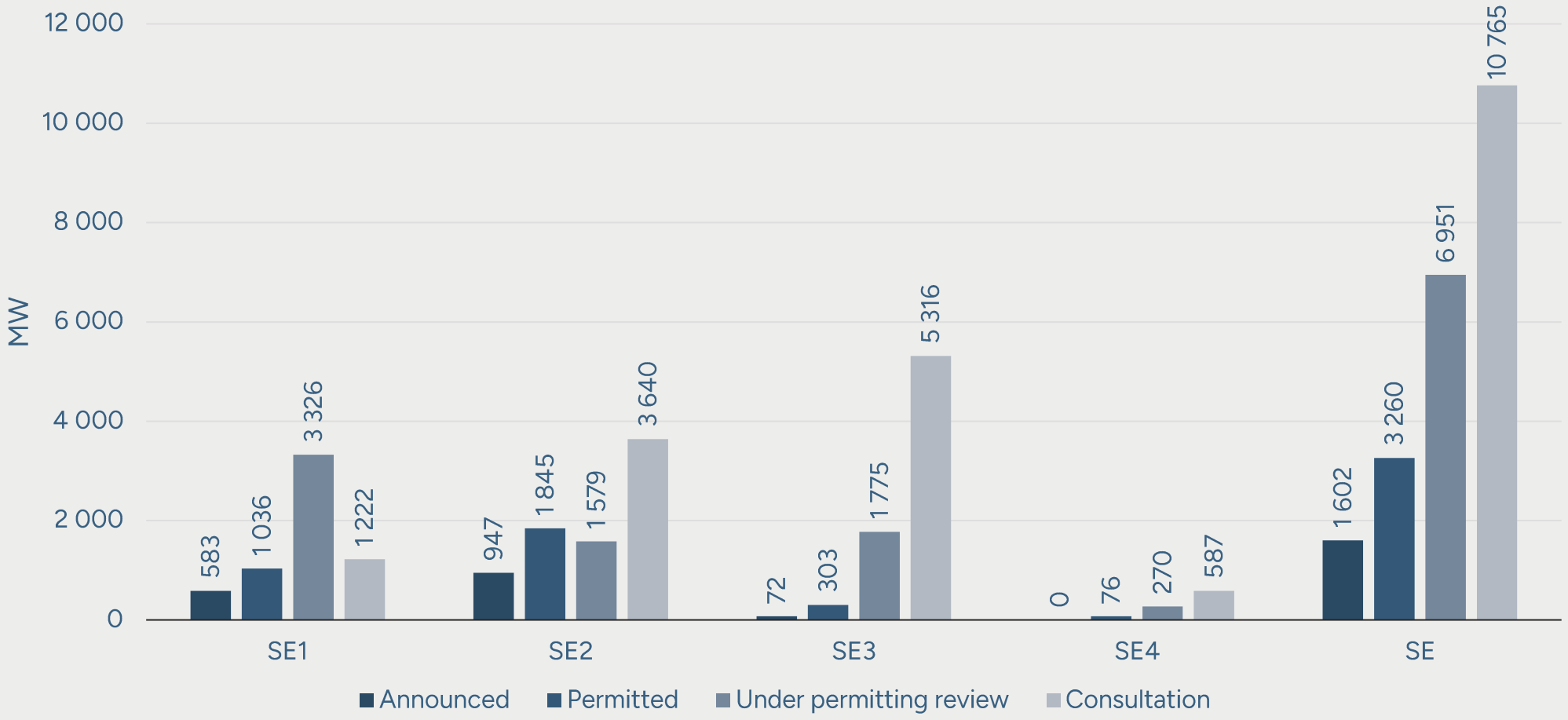
Future potential per bidding area, onshore and offshore wind power



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Project portfolio, second quarter 2026

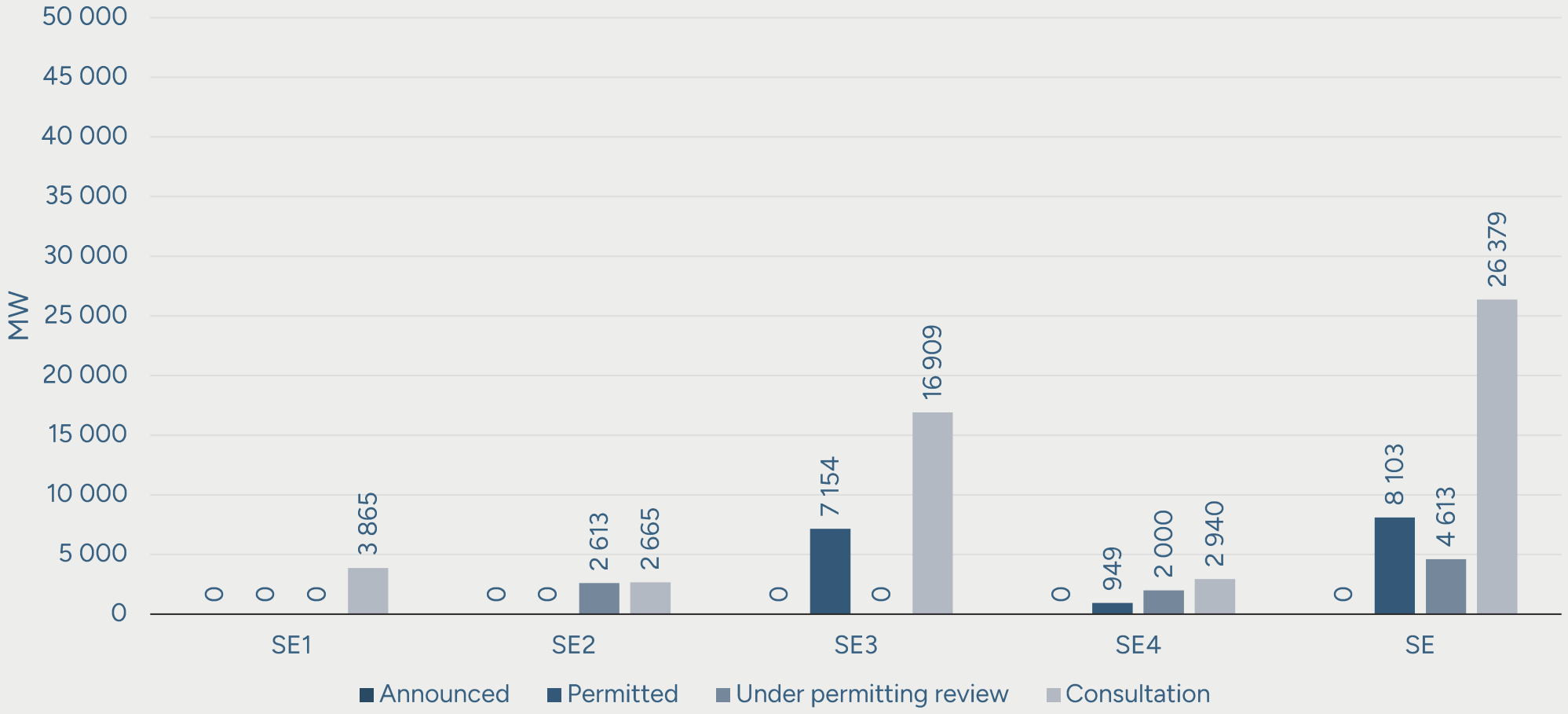
Future potential per bidding area, onshore wind power



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Project portfolio, second quarter 2026

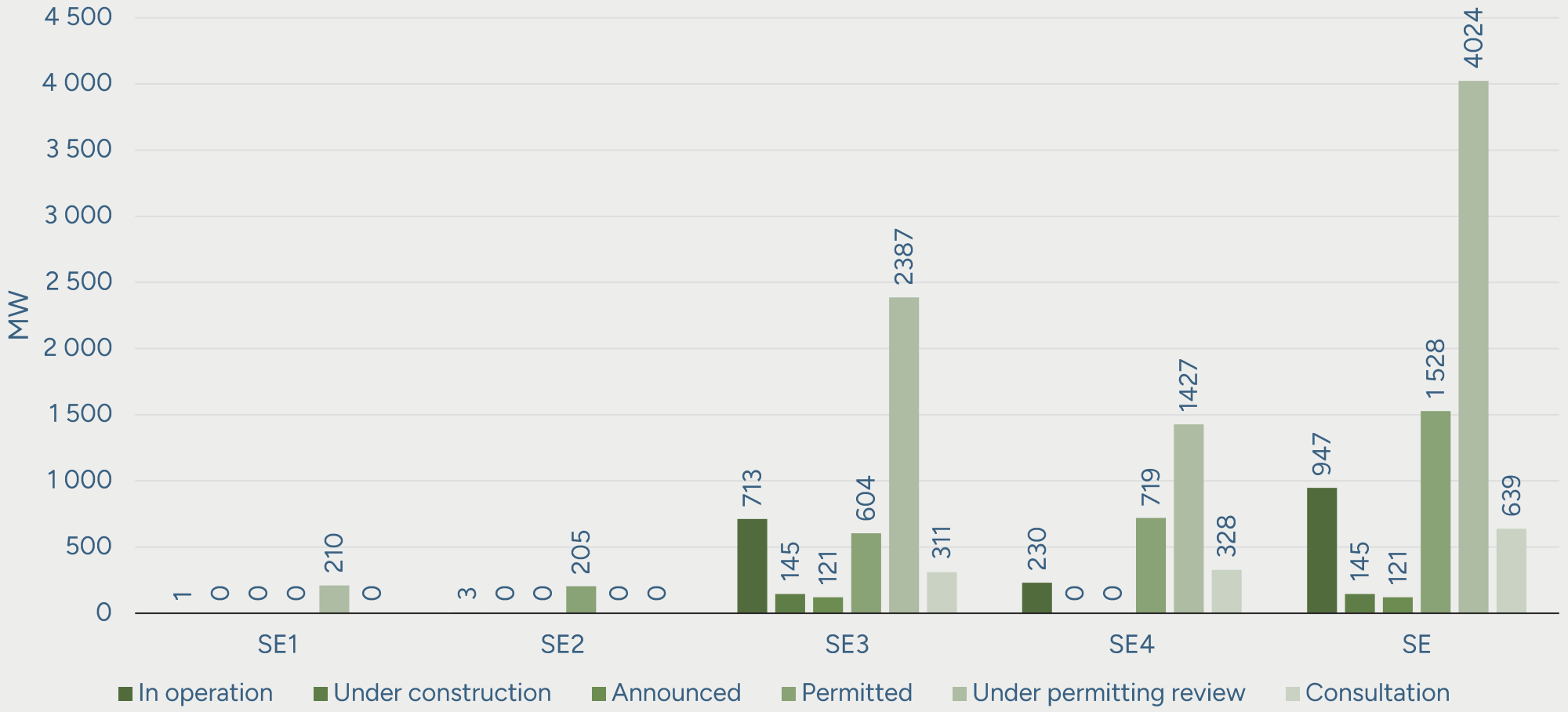
Future potential per bidding area, offshore wind power



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Project portfolio, second quarter 2026

Future potential per bidding area, solar power

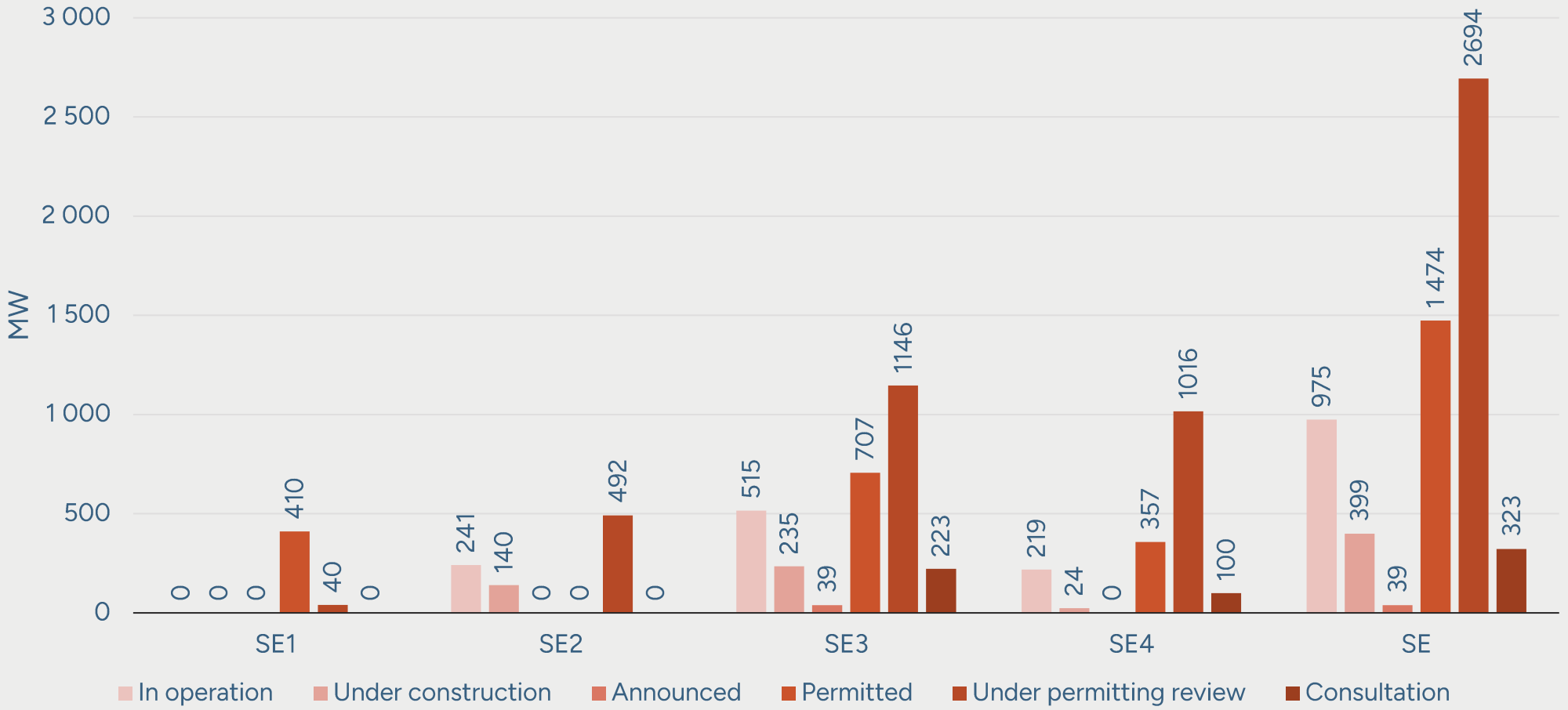


*Note: Data for solar has only been collected for three quarters and is therefore incomplete.

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Project portfolio, second quarter 2026

Future potential per bidding area, BESS



*Note: Data for energy storage has only been collected for three quarters and is therefore incomplete.

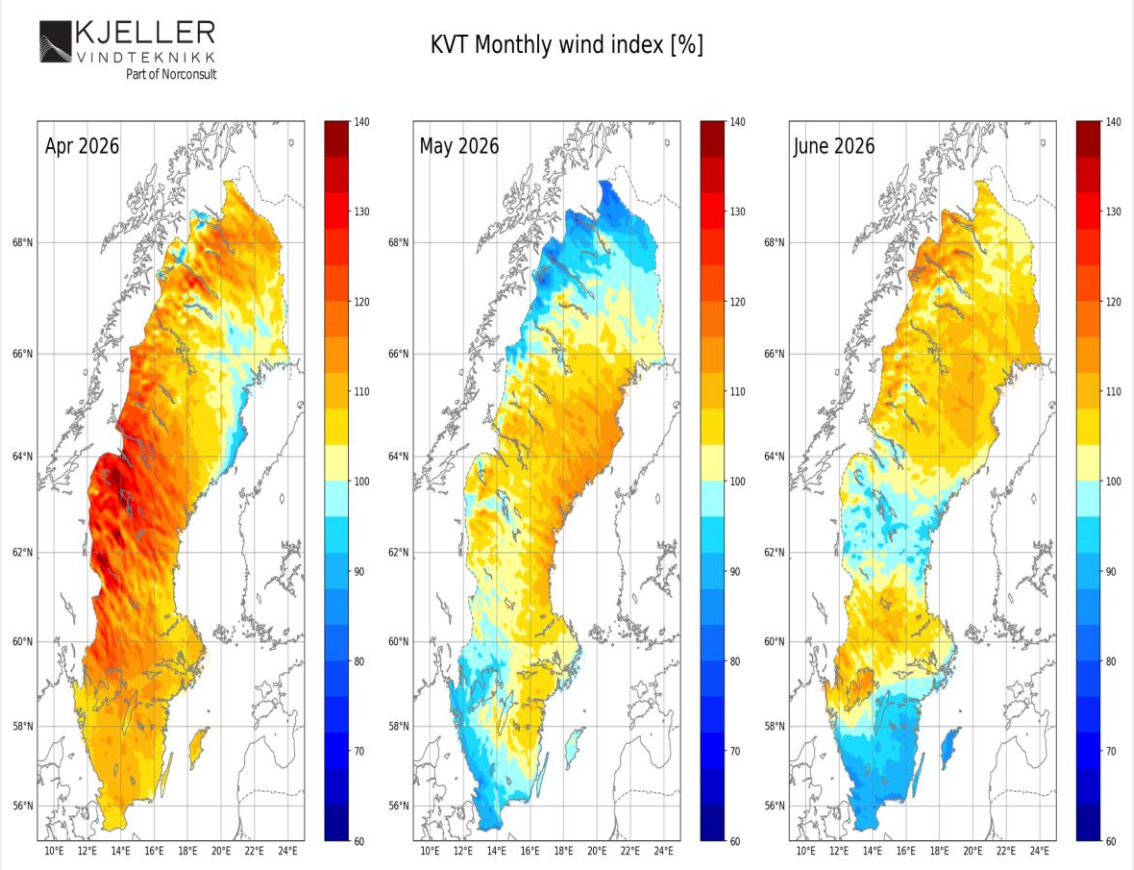
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Wind index second quarter 2026

Fresh spring winds – and this year, actually fresher than usual! Spring 2026 brought unusually windy weather to large parts of Sweden. Already in April, the wind index was far above normal, and locally it was 30 to 40 percent windier than normal. For the country as a whole, you have to go back to April 2021 to find a windier April. Although April was largely characterized by high-pressure weather, storm Dave left a clear mark on the statistics at the start of the month.

In May as well, the wind index was above normal in large parts of the country, particularly along the east coast and a bit into the inland areas. At the same time, it was somewhat less windy than normal in southwestern Sweden, on Öland and Gotland, and in the northernmost parts of Norrland. The strongest winds in May were mainly linked to intense rain and thunder showers. A clear example was seen in the Uppsala area, where heavy hail showers gave rise to squalls and caused extensive tree felling.

In June, the picture became more varied. Parts of Svealand and central and northern Norrland had a wind index above normal, while other parts of the country instead experienced somewhat weaker wind conditions than normal.



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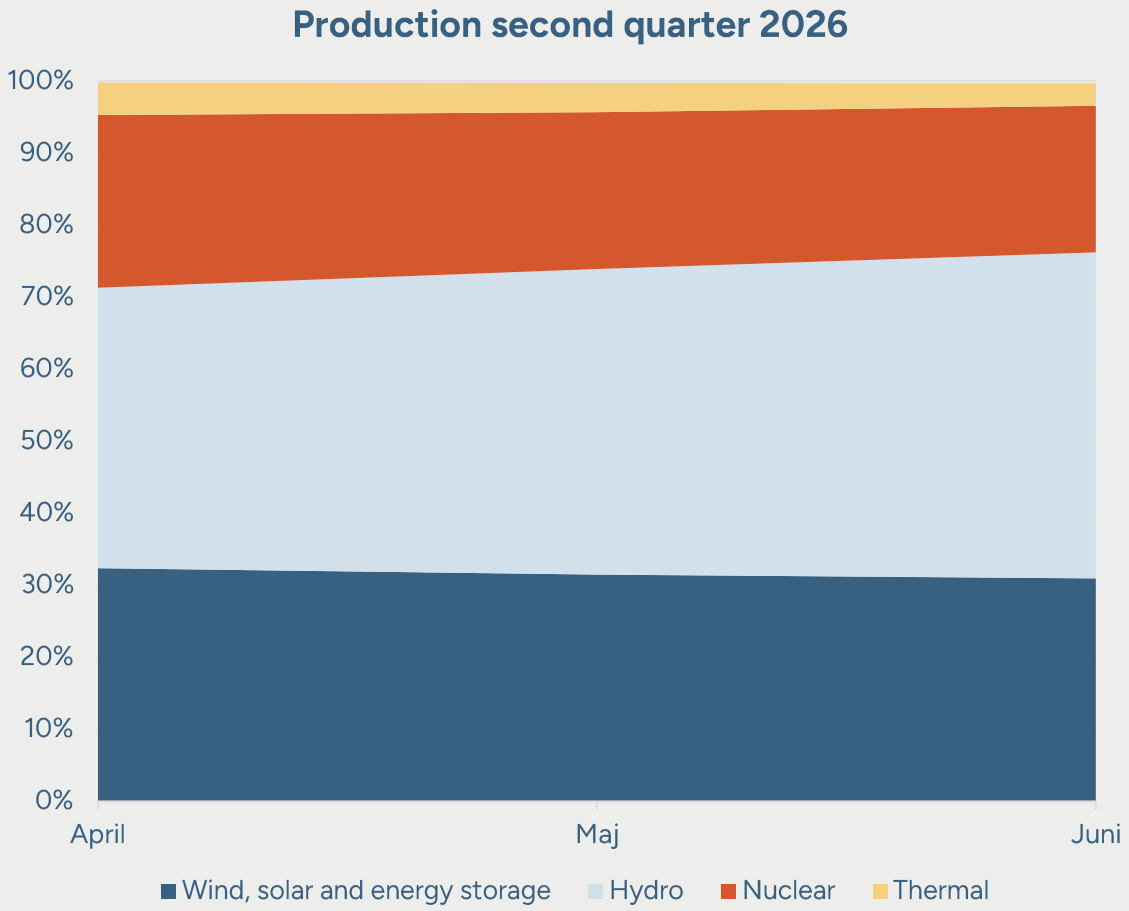
Wind and solar, a third of the electricity production

During the second quarter of 2026, wind and solar power accounted for approximately 32 percent of Sweden's total electricity production.

April was wind power's strongest production month of the quarter, both in terms of total production and compared with April of the previous year.

For solar power, production was high in all months. It was also higher than in the corresponding months of the previous year.

Solar power production is generally highest during the warmer months of the year, when solar irradiation is at its greatest. For wind power, on the other hand, production levels are usually highest during the colder months of the year..



Source: eSett

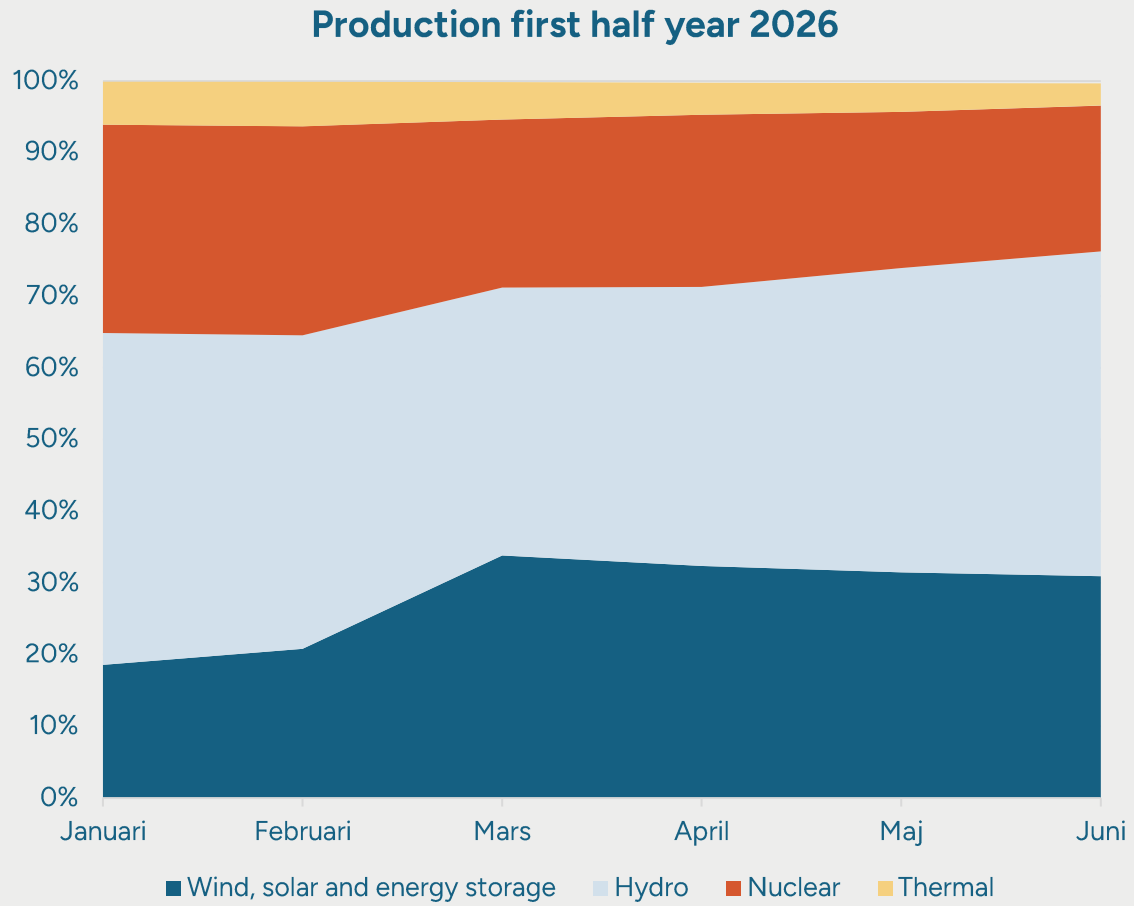
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First half of 2026: Wind and solar more than a quarter of total electricity production

During the first half of 2026, wind and solar power accounted for 27 percent of Sweden's total electricity production.

During the same period, hydropower accounted for 42 percent of electricity production, while nuclear power accounted for 25 percent.

Compared with the first half of 2025, the combined share of wind and solar power in electricity production was unchanged. The main change between the half-years was instead that nuclear power's share decreased by about 4 percentage points, while hydropower's share increased by about 3 percentage points.



Source: eSett

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