

Why support a pro-nuclear resolution?

Click on *red words* for more background.

Situation now

Nuclear provides 16% of all electricity generated in Wisconsin. Down from 24% in 1990.

- **Coal:** Down from 69% in 1990 to 34% now.
- **Gas:** 1% in 1990 to 41% now.
- **Wind:** 2% in 2009, 3% now.
- **Solar:** 0% in 2019, 2% now.

An operating nuclear power plant emits **no pollution or carbon dioxide** into the air.

Nuclear is the most reliable source of electricity, **producing about 96%** of plant's rated output.

Wisconsin **wind** turbines average about one-fourth of their rated capacity. **Solar** averages a little under 20%. Both are by nature intermittent.

Both, especially solar, also face land-use problems, especially **regarding wildlife habitat**.

Expected demand

Wisconsin electricity **use up 33%** since 1990 but flat since 1999.

Use likely will rise as **power-intense data centers** are built.

Wisconsin **also is trying** to incent the **adoption of electric vehicles** and **electric appliances**, increasing electricity demand.

Regional grid operator MISO forecast that it would be **short of electricity at next summer's peak** by as much as 3,700 megawatts, or three times the output of Point Beach.

Wisconsin **relies on imports** via the regional grid for about 15% of its electricity.

Nuclear future

- Biden administration **analyzed existing plant sites** for **potential new capacity**, including Kewaunee, Point Beach.
- Michigan Legislature and governor **agreed to restart** recently closed Palisades plant.

New technology: "**Small modular reactors**," manufactured off-site, may be faster and cheaper to build.

- Dairyland Power Co-op **announced in 2022 it's considering SMRs** and confirmed that in late 2024 to us.

Spent fuel: a technical issue with solutions that other countries already are implementing. Only political barriers stop implementation here.

We recommend

Put the Legislature on record as supporting new nuclear power in Wisconsin by supporting SJR7 / AJR6. This will give energy developers an encouraging clarity.

