

The Cost of No New Clean Power in Pennsylvania

Ratepayers would pay **\$6,400** over the next decade. Bills would increase **\$640** on average per year.



Pennsylvania faces reliability and affordability challenges as electricity demand rises faster than new conventional generation can meet it. ACP analyzed the system under two scenarios—one with all resources available and another with no new clean energy projects beyond those already underway or mandated.

According to [a study by S&P](#), national electricity demand is projected to surge 35-50% by 2040, driven by domestic manufacturing growth, data centers, and mass electrification.

LIBERTY AND INDEPENDENCE, POWERED BY RELIABLE ENERGY

Electricity demand across the PJM Interconnection region, which includes the Pennsylvania, is growing at an unprecedented pace, driven by rapid expansion of data centers, advanced manufacturing, electrification, and broader economic growth. **ACP analysis finds that without timely deployment of significant new clean energy resources, Mid-Atlantic and Midwest states — including Pennsylvania— face serious reliability risks and dramatically higher electricity costs over the next decade.**

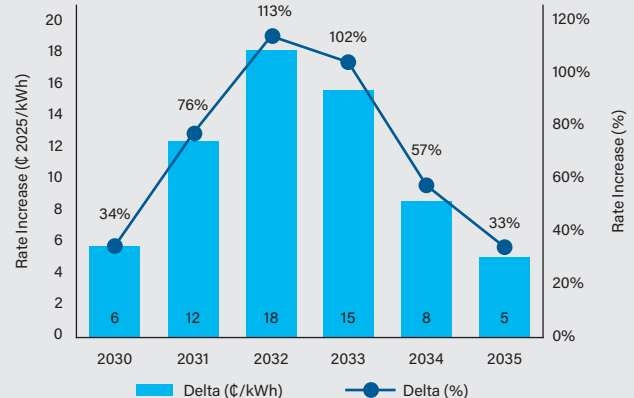
The growing mismatch between demand growth and new conventional generation presents an immediate challenge to grid reliability and affordability across the region. To evaluate system-wide impacts, ACP modeled PJM under two scenarios: a **base case**, where all generation resources are available, and a **no clean power case**, where no new wind, solar, or storage projects are added beyond those already under construction or required by law.

Pennsylvania: Energy for the Keystone State

The result is that the average resident in Pennsylvania will spend an additional \$6,400 over the next ten years if no new clean power is allowed to be built. \$6,400 is a significant additional cost to Pennsylvania families who could spend that money on essential items like healthcare costs, home upgrades, or investments in their children.

If no new clean power is added, **rates in Pennsylvania will increase by over 110% by 2032** relative to the Base Case. That's an **¢18/kWh** increase.

Rate Increase 2030-2035 for Pennsylvania w/out Clean Power

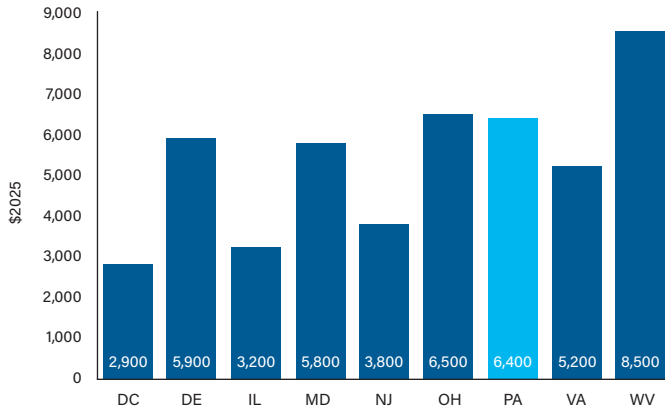


The average residential customer in Pennsylvania uses 9,900 kWh of electricity a year. The result is **the average Pennsylvania resident will pay an additional \$3,500 from 2026-2032 and \$6,400 by 2035.**

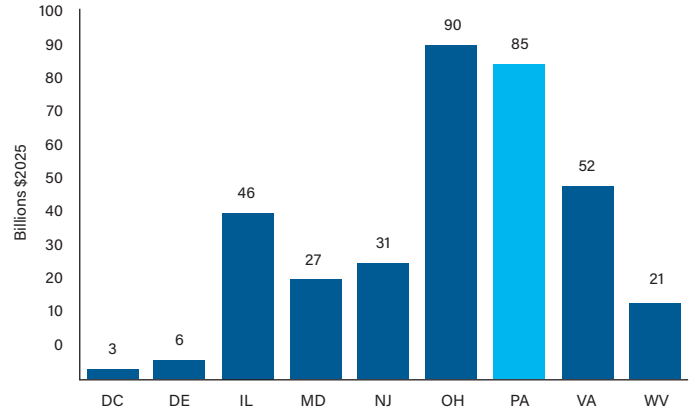


By 2035, all ratepayers in PJM Interconnection would cumulatively pay an additional \$360 billion over the next 10 years. Pennsylvania and Ohio represent almost half of that given their high industrial electricity consumption.

Cumulative Ten Year Cost to Average Resident Without New Clean Power



Cumulative Ten Year Spend by All Ratepayers Without New Clean Power



These findings make clear that delaying clean energy deployment comes at a steep cost. Timely investment in wind, solar, and energy storage is essential to maintaining reliability, reducing dependence on imports, and protecting families and businesses from sharply higher electricity bills as demand continues to grow.

