Louisville Climate Action Network

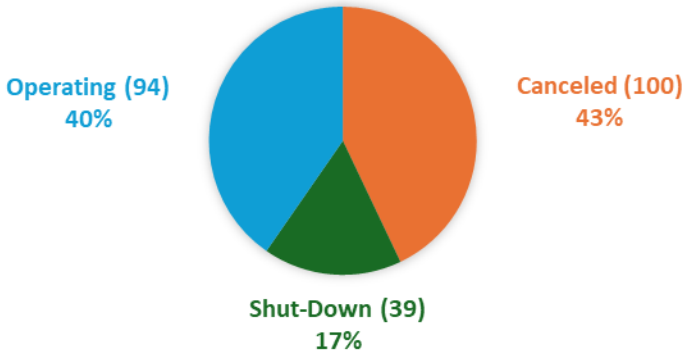
The Economics of Nuclear Power

You deserve real-world proof that nuclear power plants are truly "least-cost" before utilities build them and pass their costs to you

Whether or not one agrees with the premise that nuclear-generated electricity is desirable, Kentucky has well-established legal precedent that the PSC's core obligation is to ensure "fair, just and reasonable rates." State statute says so, [1] even if our legislature puts its finger on the scale for one type of power plant over another type.

Louisville Climate Action Network (LCAN) has researched, written and entered in the official record of Ky. PSC Case No. 2025-00186 a "white paper" entitled, "Evaluating Economic Factors in the Consideration of Applications to the Ky. Public Service Commission to Build Nuclear Generating Facilities."

Status of Nuclear Power Facilities in the U.S.



[2]

Nuclear power in the United States so far has failed to deliver on its promise of providing least-cost electricity to ratepayers. Neither conventional nor new nuclear technologies, like advanced technology reactors and small modular reactors (SMRs), have provided a single example of producing lower-cost power.

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[1] KRS 278.030

[2] US Energy Information Agency and US Nuclear Regulatory Commission statistics: https://www.eia.gov/nuclear/reactors/shutdown/, https://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/, and https://www.eia.gov/electricity/data/eia860/

I can, you can, Louisville CAN!

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Despite promises, U.S. and Canadian nuclear projects have been riddled with problems: accidents, radiation leaks, stunning cost overruns, early closures and abandonment before starting construction. Those failures have imposed a heavy toll of financial, health, and psychological burdens on affected communities, utility ratepayers and taxpayers.

Given that track record, applications for any type of nuclear power plant should not be approved without convincing, new, real-world data.

To paraphrase testimony from the Ky. Office of Energy Policy to the PSC: There is no compelling reason for Kentucky to be first-in-line to build a new nuclear generating plant. [3]

To read the full white paper as submitted to the PSC,
use this QR code or type this URL into your web browser:

https://www.louisvillecan.org/action/nukes

Louisville Climate Action Network consists of 72 nonprofit organizations, for-profit businesses, congregations and educational institutions plus about 4,000 individuals who work together for a healthy climate, operating efficiently, on sustainable energy.

LCAN is the go-to source for reliable, action-inspiring information on climate change, its impacts and its many solutions. Besides its educational programming and technical services to other nonprofits so they may "spend less on utilities, more on mission," LCAN advocates for smarter public policies to reduce carbon pollution and cut costs.

You can visit LCAN at: https://www.louisvillecan.org/

[3] Public comments on Aug. 4, 2025; Informal Conference, PSC Case No. 2025-00186