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WEDNESDAY, AUGUST 27, 2025 | COURIERJOURNAL.COM

PART OF THE USA TODAY NETWORK

4D Mammography tech debuts in Ky

Elizabethtown hospital first to start human trials

Ruby Grisin

Louisville Courier Journal USA TODAY NETWORK

A Kentucky hospital has become the first in the world to begin in-human trials of new 4D Mammography technology that could revolutionize how breast cancer is detected and diagnosed.

On Aug. 19, Baptist Health Hardin in Elizabethtown, Kentucky, successfully used the new technology as part of a clinical trial, a news release announcing the achievement states.

"This groundbreaking research has the potential to change the course of treatment for countless people," Bert Jones, the hospital's director of Medical Imaging, said in the news release. "Being part of this pivotal moment in medical innovation represents more than just scientific process — it's a step forward in improving the lives of women everywhere."

The technology, pioneered by Calidar Inc., a start-up at Duke University that specializes in the clinical applications of X-ray diffraction, will streamline what is usually a difficult diagnosis process involving invasive procedures and delayed care.

The company developed the world's first clinical system for X-ray diffraction imaging of breast cancer, which utilizes 4D Mammography to read molecular "fingerprints" in tissue to identify breast cancer.

X-ray diffraction is used in the scientific community to determine the molecular composition and structure of objects. By passing an X-ray through

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Now is the best time to invest in solar energy



An example of solar panels installed on the roof of a home, thanks to Daily Green Power. PROVIDED BY DAILY GREEN POWER

One Big Beautiful Bill Act will phase out fed tax incentive

Ruby Grisin

Louisville Courier Journal USA TODAY NETWORK

If you're considering installing solar energy for your home or small business, now is the time to act before a federal tax incentive where homeowners could earn up to a 30% tax credit is phased out as a result of the One Big Beautiful Bill

Homeowners must have their solar systems fully installed before the Dec. 31, 2025 deadline to be eligible for the credit, which cut thousands of dollars from the net cost of solar installation, depending on their income.

"If you're considering going solar at your home, you must act before the end of this year," Louisville Mayor Craig Greenberg said at a press conference on Aug. 19.

"Just the fact that you can really prepay for power and lock in what you're spending on power over the next 25 or 30 years is a big benefit."

Nick Hartnett owner of Pure Power Sola

Homeowners who would like to use Louisville's personalized, vetted solar installation services through Solarize Louisville must sign up to express interest by Sept. 15, Greenberg said. This will ensure installation is complete before the federal deadline.

Here is what to know about Solarize

Louisville and making the most of the solar tax credit before it is phased out:

What is Solarize Louisville?

Solarize Louisville is an initiative created through a partnership between Louisville Metro Government and the Kentucky Solar Energy Society to help residents support the city's 100% clean energy goals, according to its website. The project allows households to obtain solar installations from vetted installers at discounted wholesale rates.

Sumedha Rao, executive director at Louisville's Office of Sustainability, said Solarize Louisville provides an additional 15-18% discount, allowing residents to cut the cost of solar almost

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Trump announces firing of Fed governor

President's authority to remove Cook questioned

Bailey Schulz, Bart Jansen, Medora Lee and Rachel Barber

President Donald Trump's announcement that he's firing Federal Reserve Governor Lisa Cook is an unprecedented move that could lead to a long legal battle as the president looks to shape the balance of the central bank's seven-member board in his favor.

The Aug. 25 move raises more questions about the Fed board's independence, a president's involvement in monetary policy and credibility in U.S. investments.

"I have determined that there is sufficient cause to remove you from your position," Trump wrote in a letter to Cook shared on Truth Social, pointing to accusations that Cook made false statements on mortgage agreements.

Cook said Aug. 26 the president lacked the basis and the authority to oust her from the board of the central bank.

Her firing comes amid Trump's monthslong efforts to influence the central bank's rate-cut decisions. Trump had previously focused on pressuring Fed Chair Jerome Powell to lower rates through name-calling and termination threats, although the president has since walked back

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President Donald Trump has moved to fire Federal Reserve Governor Lisa Cook, accusing her of mortgage fraud. Cook said she will fight her firing. JONATHAN ERNST/REUTERS









