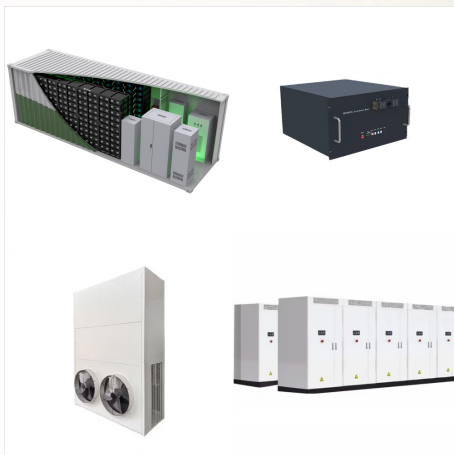




???Partners: Energy Services, formerly under the Michigan Energy Office (MEO), Michigan Department of Health and Human Services (DHHS), Local Electric Utility, & Local Community Action Agency (CAA) ???Subscribers: 50 households. Previously weatherized, income-qualified (at or below 200% FPL) households, within electric utility territory



A March study published in Nature Energy found that the energy capacity cost of long-duration storage technology must fall below \$20/kWh in order to reduce total carbon-free electricity system



A utility and university researchers team up to better meet peak electricity demand with improved batteries for energy storage. Knowledge is power. Michigan utility partners with university on energy storage pilot Consumers Energy works with Michigan State University to make transition from coal to natural gas as energy source

# MICHIGAN UTILITY PARTNERS WITH UNIVERSITY ON ENERGY STORAGE PILOT



Last year, Michigan utility Consumers Energy proposed a pilot project that would allow them to operate batteries located at customers' homes. The pilot project would cover 2,000 residential homes and would come with a price tag of \$15 million of ratepayers' monies.



The biggest energy policy event in the Midwest this year came on Nov. 28 when Michigan Gov. Gretchen Whitmer signed a package of bills into law that will quadruple Michigan's renewable energy



energy storage system designed by Energy Dome. ??? Project will be the first-of-its-kind CO<sub>2</sub>-based energy storage system in the United States. ??? This innovative and efficient approach to long-duration energy storage will enable a more sustainable, reliable ???

# MICHIGAN UTILITY PARTNERS WITH UNIVERSITY ON ENERGY STORAGE PILOT



A Consumers Energy small commercial-scale battery storage pilot project. Image: Consumers Energy. Electric utilities in Michigan are in agreement that energy storage offers multiple benefits to the customer and network, but uncertainty remains over how it can be introduced into market structures.



Utility DTE Energy has launched a request for proposals (RFP), seeking approximately 120MW of standalone energy storage projects in its Michigan, US, service area. a 14MW pilot BESS project and in March received approval from the Michigan Public Service Commission for a 220MW/800MWh lithium-ion



Dive Brief: City Utilities of Springfield, Missouri, is partnering with NorthStar, an energy storage provider owned by Swedish private equity company Altor, on a pilot energy storage project.

# MICHIGAN UTILITY PARTNERS WITH UNIVERSITY ON ENERGY STORAGE PILOT



"This initial testing phase shows the potential for this type of battery energy storage system to serve as a model for managing energy demands and lowering costs for owners of commercial and industrial buildings," said New York Power Authority Acting President and CEO Justin E. Driscoll.. "The unit is reducing peak loads at the Power Authority's main offices, ???



Energy storage is often pitched as a way to make renewables more reliable and reduce the use of planet-warming fuels, but researchers at the University of Michigan found that it can encourage the



Each pilot was led by three core partners: the local CAA, an electric utility, and the state's energy agency. Broadly defined, the roles of each partner remained the same in each of the three pilot programs. The CAAs provided free weatherization services to the participating homes and verified the participants' income eligibility.

# MICHIGAN UTILITY PARTNERS WITH UNIVERSITY ON ENERGY STORAGE PILOT



served by ENERGY STAR utility partners in 2020 .  
4,894 buildings (almost 417 million square feet)  
benchmarked using EPA's ENERGY STAR Portfolio  
Manager in 2020 . Consumers Energy, an electric  
and natural gas utility in Michigan, integrated  
ENERGY STAR certification, tools, and resources  
across its programs, helping it meet 2020 energy



Wisconsin-based WEC Energy Group will be  
hosting a pilot project to test co-firing of hydrogen  
with natural gas at one power plant in Michigan's  
Upper Peninsula. During the pilot project, the  
hydrogen will be mixed in up to 25 percent of the  
blend.



Small-scale battery storage pilot for Michigan utility  
Consumers Energy. Image: Consumers Energy.  
Michigan should target 2,500MW of energy storage  
deployments by 2030, a new report funded by the  
US state's ???



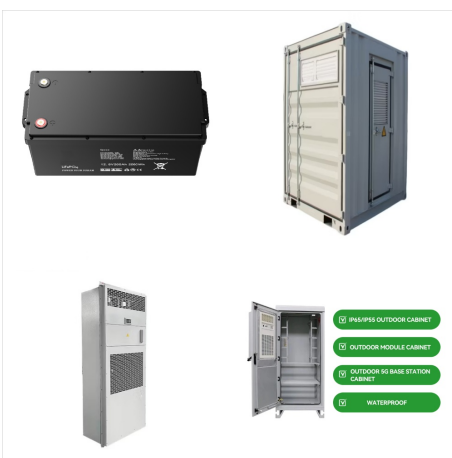
# MICHIGAN UTILITY PARTNERS WITH UNIVERSITY ON ENERGY STORAGE PILOT



Michigan EIBC's policy platform, including ongoing regulatory engagement at the Michigan Public Service Commission, policy initiatives, and legislative efforts. Before joining Michigan EIBC, Laura served as the policy advisor to Senator Michael Bennet (D-CO) on energy, agriculture, and environment issues. In that capacity, she



This roadmap was completed with help from partners Michigan EIBC, 5 Lakes Energy and Michigan State University Associate Professor for Civil & Environmental Engineering Annick Anctil. The report includes modeling analysis of behind-the-meter commercial storage and utility-scale storage on the bulk electricity grid.

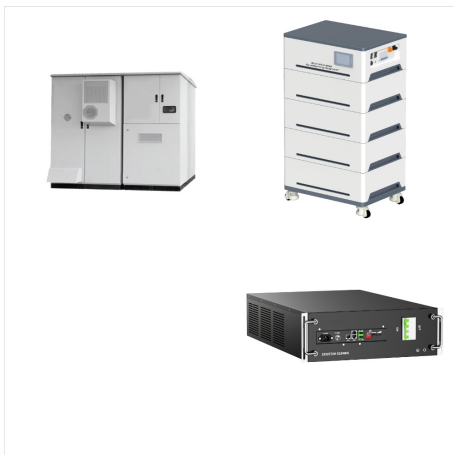


Michigan's second-largest electric utility is partnering with researchers at Michigan State University on a two-year energy storage pilot project. Though details are still being worked out, Consumers Energy says the goal is to determine the extent to which storage can be deployed throughout its service territory and how storage batteries

# MICHIGAN UTILITY PARTNERS WITH UNIVERSITY ON ENERGY STORAGE PILOT



Jackson-based Consumers Energy has announced a collaboration with California-based Sunverge to leverage the company's energy storage technology for a Consumers Energy residential battery storage pilot. Consumers will take advantage of [???]  
Subscribe; About Us; Customer Service a 1 MW battery located at Western Michigan University.



News media contact: Matt Helms 517-284-8300  
Customer Assistance: 800-292-9555 The MPSC is seeking public input on DTE Electric Co.'s application for approval of its expedited pilot review workplan, the first step in the MPSC's process toward quicker evaluation of pilot programs as part of efforts to promote innovation in energy delivery (Case No. U-21653).



Prospective bidders can register their interest ahead of a virtual pre-RFP conference on 23 May. Bids are due before 2 August this year. DTE expects to have contracts signed by the first quarter of 2025, and projects will be required to come online by 31 March 2027. The company said the RFP aligns with its long-term integrated resource plan (IRP) for ???

# MICHIGAN UTILITY PARTNERS WITH UNIVERSITY ON ENERGY STORAGE PILOT



Microgrid advocates hope a Michigan utility's proposed "energy district" can help demonstrate the technology and spur more interest in similar projects. increasing to 450 megawatts by 2040. It also has storage pilot projects underway in other parts of the state. The challenge with larger-scale storage, though, is whether to classify



Utility companies use pilot projects to test new or experimental ideas. This helps utilities, stakeholders, and the MPSC learn what may work on a larger scale, as well as where to improve. Past pilot projects have involved energy waste reduction, electric vehicles, advanced metering infrastructure, and rates that vary based on when electricity is used. Having a standard ???



Office: Office of Clean Energy Demonstrations  
Solicitation Number: DE-FOA-0003399 Access the Solicitation: OCED eXCHANGE FOA Amount: up to \$100 million Background Information. On September 5, 2024, the U.S. Department of Energy's (DOE) Office of Clean Energy Demonstrations (OCED) opened applications for up to \$100 million in federal funding ???



# MICHIGAN UTILITY PARTNERS WITH UNIVERSITY ON ENERGY STORAGE PILOT



At the virtual Energy Storage Convening on March 14, the Institute for Energy Innovation (IEI) presented the roadmap to the public. IEI completed the report with partners Michigan EIBC, Michigan EIBC member 5 Lakes Energy and Michigan State University College of Engineering Associate Professor Dr. Annick Anttil.



utility EV pilot program proposal. Following the second technical conference, the MPSC requested future regulated utility EV pilot programs to be included in utility rate cases. 6. Did any regulated utilities propose EV pilot programs? Yes. Consumers Energy, DTE Electric, and Indiana Michigan Power Company requested MPSC approval of



US utility Consumers Energy has commissioned Sunverge's Real-time distributed energy resources control and aggregation platform for its residential battery storage pilot in Michigan. The utility will use the platform to test and measure how aggregated battery storage can benefit its electric grid and utility customers.