

# Florida microgrids apia



## Overview

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The Florida Public Service Commission's microgrid pilot filings (final report released in late October 2025) show pilots across the state testing islanding, battery storage, and coordinated controls to keep critical services running when the main line fails. Community microgrids provide a new approach to the design and operation of the power grid at the community level. These microgrids, serving a specific area and supported by renewable energy and other distributed energy resources (DERs), help achieve a sustainable, secure, and cost-effective energy. At Florida International University (FIU), researchers are utilizing artificial intelligence (AI) as an important tool that creates new ways for microgrids to provide resilience, cut carbon emissions and aid the grid when it's stressed. Florida has always been weather-vulnerable. But the combination of stronger storms, hotter summers, and an aging central grid means outages are no longer just an inconvenience — they're a. Florida is the most hurricane-prone state in the US, vulnerable to an average \$15. So it's perplexing that state government hasn't made at least as much fanfare about microgrids as places like California and New Jersey. Still microgrids are cropping up. Florida. Direct Relief and Treasure Coast Community Health, Inc. This resilient power installation marks a pivotal step toward safeguarding essential health services in a region frequently exposed to. FPL and FIU engineering faculty and students built a microgrid to supply back-up power to FIU's engineering campus during extreme weather events – a leading cause of power outages. 4 MW solar canopy and incorporates a large-scale 3 MW battery system.

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### Power to the People: Microgrid Gives Community ...

A residential development in Florida provides a model for the future of grid modernization, showcasing reliability and resiliency.

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### FPL , Energy My Way , Solar , FIU Partnership

FPL and FIU engineering faculty and students built a microgrid to supply back-up power to FIU's engineering campus during extreme weather events - a leading cause of power outages.



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### When the Lights Go Out, Adaptation Starts at the Neighborhood Level

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## Microgrids Cropping Up in Florida with Utility Partners

It's generally more difficult for private developers to build sophisticated microgrids in states like Florida that did not undergo industry restructuring. Utilities in these states have more monopoly sway.

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## Solar Power Microgrid: Safeguarding Health in Florida

Direct Relief and Treasure Coast Community Health Complete First Power for Health Solar Microgrid in Florida New resilient power system at Fellsmere, Florida, health center strengthens ...

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## AI-powered microgrids facilitate energy resilience and equity in

The transition to decentralized microgrids offers new opportunities for energy efficiency, with AI playing a critical role in managing these systems. Yet additional efforts are needed for ...

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## NextNRG Plans 200 MW Smart Microgrid, Hyperscale Data Center ...



The site already has all of the required resources in place, allowing NextNRG's patented energy technologies like solar integration, predictive analytics, and hybrid microgrids to be deployed.

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## OUC Partners with Capacitech Energy on Microgrid Project

Florida public power utility OUC is collaborating with Capacitech Energy in a microgrid project to demonstrate Capacitech Energy's largest deployment to date of the PowerLink, a cable ...



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## When AI Predicts Grid Trouble, Microgrid Creates a Smart City at a

At Florida International University (FIU), researchers are utilizing artificial intelligence (AI) as an important tool that creates new ways for microgrids to provides resilience, cut carbon emissions and ...

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