Microgrids, resiliency nodes, and a more resilient New Orleans.

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What are microgrids?

Microgrids are small-scale, localized electrical grids that can operate independently or in conjunction with the larger electrical grid. Microgrids can be used to power individual buildings, communities, or even entire neighborhoods, and they offer several benefits over traditional grid systems, including increased reliability, lower costs and reduced carbon emissions.

What are resiliency nodes?

Resiliency nodes are locations within a microgrid that are designed to provide backup power and support in the event of an outage or other emergency situation. Resiliency nodes can be strategically located to provide backup power to hospitals, emergency shelters, and other critical facilities during a disaster, helping to ensure that essential services remain available to those in need.

How does this help New Orleans?

Improved resilience by providing backup power during emergencies or power outages.

Increased reliability by reducing the number of power outages caused by issues on the main grid.

Integrating renewable energy sources such as solar panels and wind turbines into the power grid.

Attracting businesses interested in developing new renewable energy and energy storage technologies and services.

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