

Small Grids? Thinking Renewables? You Need to Plan for Grid Stabilization First.

Islands, Remote Villages, Mini-Grids, Mines, Etc.

Rapidly fluctuating power sources such as Wind and Solar can drive small grids crazy if you don't stabilize the grid first.

We provide wind and solar PV solutions for commercial/industrial facilities. But before we talk with micro-grid operators who wish to reduce energy costs using renewable energy, we first talk about grid stabilization. Yes, renewables can save money on generation, but will end up being curtailed if you don't stabilize the output.

Left to themselves, solar and wind systems are rapidly fluctuating power sources. Wind gusts can double or triple output in a matter of milliseconds, constantly tripping protective relays. And the problem becomes increasingly worse as small grids try to integrate large amounts of renewable energy systems.

There is a solution to this problem, which has allowed many micro grids around the world to operate on up to 100% renewable power - and to

turn off the diesels completely when the renewables are available. That's the only way to take your system up to a high penetration, cost effective solution.

Our company works in collaboration with ABB, using their unique **PowerStore™** system to bring micro-grids under control while injecting large quantities of renewable energy into the mix. Through a combination of networking controls and energy storage systems that can sink or source megawatts in milliseconds, we create a smart micro-grid that can operate on 100% renewables, and easily absorb the shocks that these systems can create. Your grid will run smoothly and automatically, while saving dramatically on fuel costs.

For full program details, call us today at 888-800-2381.

- **System Modeling**
- **Complete Quotations**
- **Installation and Service**

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