

Intersect Energy

Quick Solutions to Big Problems

Immediate Power

The turbine systems available allow for 30MWs of immediate power anywhere in the world with a variable transformer that allows tie-in with most traditional grid technologies within 40 days.

Turn Key System

Intersect Energy provides turnkey solutions, including the sourcing of labor, fuel, financing, and equipment. Ready for active deployment in the Americas and the Caribbean islands. Systems can be replicated for any area in the world.

MicroGrid Potential

Intersect Energy's solutions are geared to allow for rapid deployment of microgrids. These microgrids allow for immediate power restoration for an emergency impacted area, but can be subsequently integrated into a traditional grid.

Permanent Solution

These turbines can be converted into a permanent solution within 30 days. This permanent solution can use any gaseous fuel, including LPG or LNG.



Intersect Energy is a small business based near Philadelphia. It is offering a mobile emergency generation system in increments of 30MWs for the immediate deployment in disaster locations. These systems are built to allow for the site to be prepared while the actual equipment is in transit, allowing for faster commissioning. In a microgrid model allows for more rapid restoration of remote grid locations.

Feedstock is a major concern in most emergency situations. Certain feedstocks might be highly available while other fuels are in short supply. The Intersect Energy solution allows the use of most major fuel sources, including diesel, natural gas, LNG, CNG, and LPG.

Intersect Energy has the expertise to procure and deliver the feedstock to the generation location.

The labor costs associated with emergency generation is normally high due to the need to import the skilled labor required. Due to the modular nature of the equipment, this system is highly efficient in terms of hours of labor needed. Local labor required initially is mostly unskilled preparation work, with the only skilled labor being the interconnection to the grid. Intersect Energy always attempt to partner locally first.

Intersect Energy also provides transitional solutions for permanent installation of the turbines. These services include fuel transition services, air permits, and long-term O&M services.

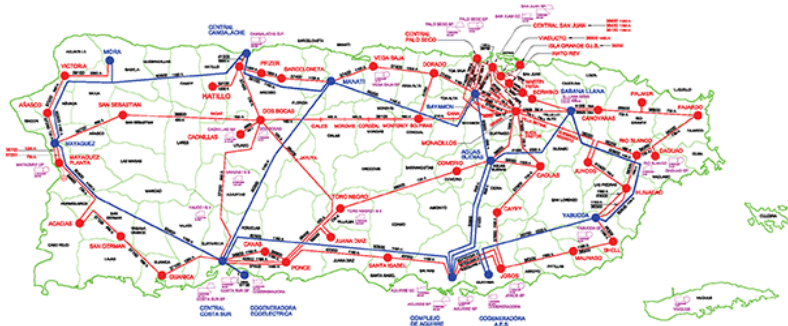
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Solution for Puerto Rico



Intersect Energy has a prepared end-to-end solution for Puerto Rico after Hurricane Maria. This microgrid solution includes, equipment acquisition, engineering expertise, local electrical and unskilled labor, local logistics, marine logistics, diesel fuel procurement and logistics and with a ready-made site. Additionally, both the equipment and this first location are capable of supporting a transition of the site to a permanent use with LNG or LPG generation.

Location is a key to success in the Puerto Rican grid. Intersect Energy's initial site is located just outside of Yabocoa with the closest utility scale generating asset being more than 25 miles away. With the recent transmission grid failure, it is imperative to place equipment closer to the power users to limit the need to transport it. This site can support up to 300 MWs which would reduce the need for a significant amount of transmission to the southeast of Puerto Rico. The site has prime access to the existing power grid.

Microgrid Technology – Choose the next site

Intersect Energy microgrid services can be placed anywhere in the island and commission within 40 days or less. Setting up microgrids eliminates the need for highly redundant transmission lines as the generation is going directly into the distribution grid.

The current infrastructure at this site includes large diesel tanks that can be used for the fuel storage of all 300 MWs of emergency power generation. With the site being located close to the port of Yabocoa, LNG or LPG terminals can be built quickly to transition the site to a cheaper, permanent fuel source when it becomes available.

Intersect Energy has partnered with Lord Electric in Puerto Rico as a local labor partner. This partnership allows this solution to have highly competitive pricing, better stimulate the local economy devastated by the hurricane and have workers onsite within 18 hours of contract execution.

Finally, Intersect Energy's US transportation partner, Crawley Marine Terminals, allows it to get equipment and resources to the island quickly. This translates to mean that all 300 MWs of generation can be commissioned within 40 days.

Turn Key System

With the immediate need for power, Intersect Energy has offering turnkey solutions, including fuel storage, for the entire island of Puerto Rico.

Need for MicroGrids

With the recent transmission grid failure pitting the island back into darkness, Microgrids solutions are key to help elevate this bottleneck. Intersect Energy expertise allows for deployment of microgrids in increments of 30 MWs anywhere in Puerto Rico.

Initial Site Identified

The initial site is an ideal test bed for the city of Yabocoa. 300 MWs is a significant portion of the total demand of the city and requires minimal repair to the grid to accomplish.

About Intersect

Intersect Energy is a small business based in Pennsylvania, North Atlantic region with a worldwide reach.