

How Can Renewables Improve Resilience?



Local, not dependent on ports



Siting and hardening



Transmission architecture matters



Distributed with grid modernization

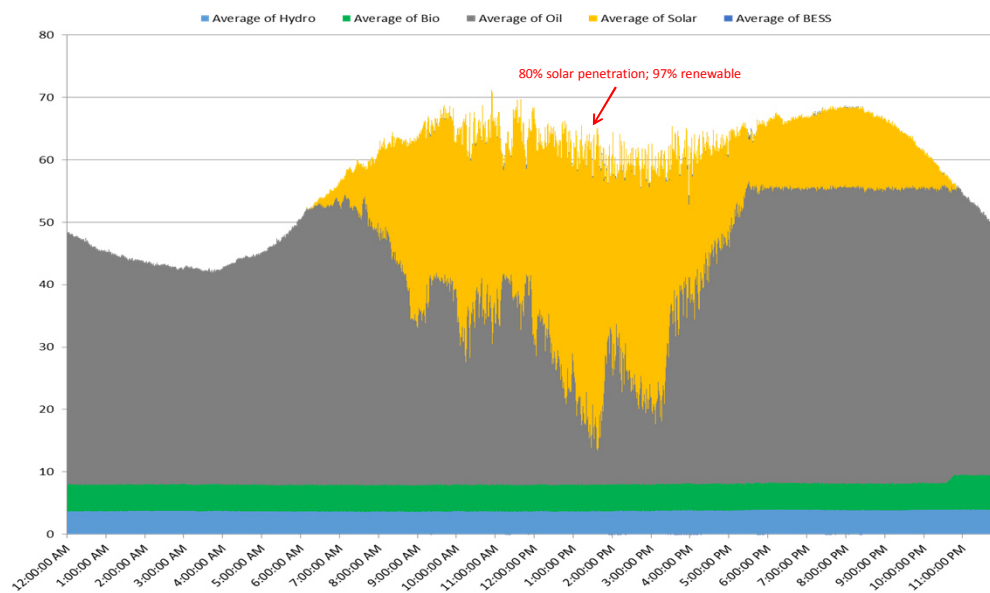


Electrification of transportation



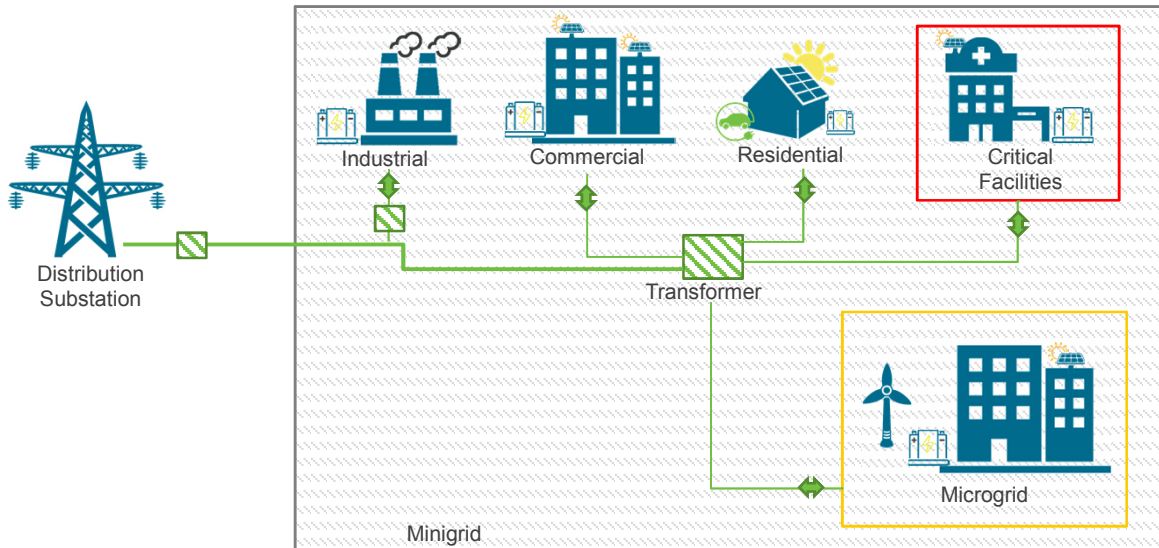
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Kaua'i: 97% Renewable Power During the Day



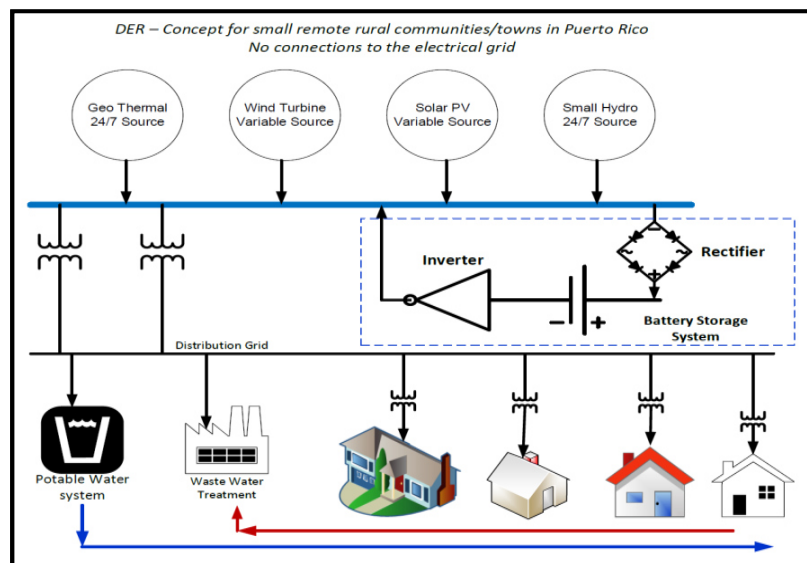
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Distributed, Renewable & Resilient



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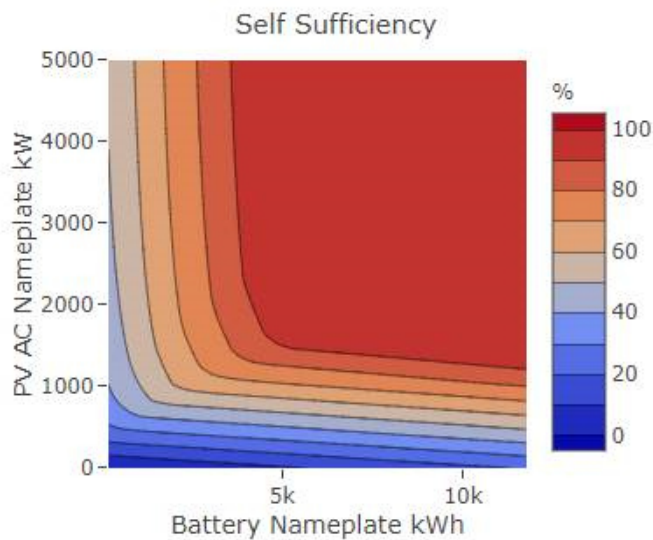
Distributed Utilities for Remote Villages



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PV and Battery Microgrids

- 85% Solar and 15% generator
- For peak load of 0.6 MW, 1.5 MW PV and 4 Mwh storage covered the demand
- At larger scales, 5-6 hours of storage appears to suffice for reliability



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Kyle Datta
General Partner

kdatta@ulupono.com

ulupono.com