

# Belize container photovoltaic deployment plan

What are the potential pilot projects for EV development in Belize?

The following are potential pilot projects for EV development in Belize: BEL vehicle fleet: A utility fleet would be a good initial fleet to target; utilities have an incentive to learn more about the technology since its success would affect their future operations.

What is the current hydropower capacity in Belize?

The current installed capacity of hydropower generation in Belize is 51.5 MW. Current hydropower capacity is distributed between 25.5 MW at the Mollejon Hydro Plant, 7.0 MW at the Chalillo Hydroelectric Dam Plant, 19.0 MW at the Vaca Hydroelectric Facilities, and 3.5 MW at the HydroMaya Dam.

Is a solar resource assessment underway in Belize?

The CPP team recognized that a detailed solar resource assessment is underway in Belize, with specific measurements being taken at identified and promising sites. To complement that detailed analysis, the CPP included development of a GIS-based web tool called SpatialEdge, created by consultants NepCol International.

Can storage reduce power loss in Belize?

While storage was not identified as an optimal choice for Belize, bringing on distributed generation and storage capacity can significantly reduce power loss and shorten grid downtime. Organizations such as NREL have begun to value resilience in nuanced ways that consider the willingness-to-pay of customers to avoid outages.

How much does the CPP cost in Belize?

The CPP drew on national energy roadmaps conducted in Saint Lucia which assessed a total cost of between US\$0.05- \$0.07 per kWh saved as a more accurate estimate for the potential program costs in Belize.

Why is Belize developing a CPP?

The process of developing the CPP with input from the regulator, government, and BEL provides a model through which Belize can harmonize differing priorities while developing new policies and business models to capture the economic benefits of energy efficiency without sacrificing revenue.

The Energy Crisis and Modular Solutions Ever wondered why diesel generators still power 30% of remote construction sites worldwide? The answer's simple: until recently, nobody had a better ...



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