# PROJECT FACT SHEET

## THE SAUT DU BARRIL HYDROELECTRIC PROJECT

### GENERAL

Saut du Barril is located in the Nippes Department of Haiti. This river runs from the mountains of Paillant to the Gonave Gulf.

*Saut du Barril*

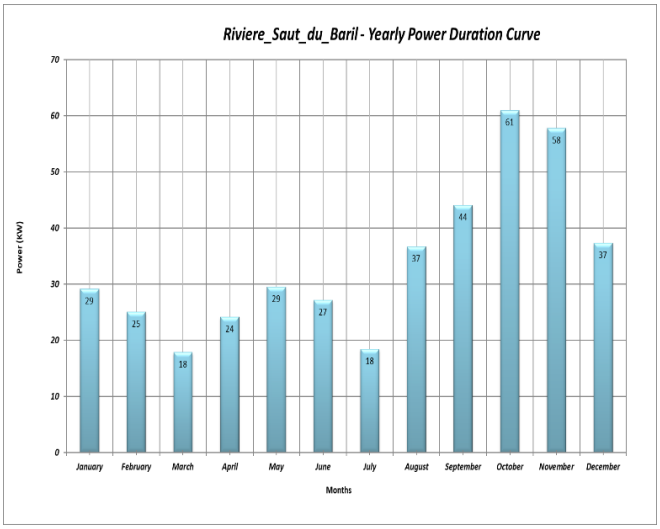
A preliminary study was performed to estimate the potential power and energy generating capacity of Saut du Barril. A run-of-the-river design was selected as a solution for the maximum power output of 61 KW without impacting the falls.

At the potential diversion dam location set at elevation 179 meters, the tributary basin area is 2.5 $KM^2$, and the minimum flow is evaluated at 0.05 $m^3/s$, while the maximum flow is evaluated at 0.173 $m^3/s$. The project design flow is 0.157 $m^3/s$. The site available gross head is 55 meters. The project as proposed will not impact the falls. The proposed dam will be located downstream of the falls.

This project intends to generate electricity for the Nippes Department, develop Haiti's natural resources, and capitalize on the energy market.

### DESIGN DATA

| | |
|---|---|
| Dam Type: | Tyrolean |
| Dam Crest Elevation: | 179 meters |
| Penstock Length: | 1,000 meters |
| Penstock Diameter: | 0.375 meter |
| Power House Elevation: | 124 meters |
| Turbine Type: | PELTON |
| Number of Turbine: | 1 |
| Design Flow: | 0.157 $m^3/s$ |
| Maximum Power: | 61 KW |
| Average Power: | 42 KW |
| Minimum Power: | 17 KW |
| Energy Generation: | 369,979 KWH |




*Power Duration Curve by Month*

### PROJECT STATUS

The firm of SOLEO ENERGIES is seeking suitable investors to form a partnership and develop this site. For further information please contact: