

# TILLI

## PROJECT SUMMARY

Up to 150,000 people living in one of Ghana's remotest settlements are set to benefit from improved access to clean energy, thanks to the construction of a 20MW solar PV power plant.

The grid-connected plant in Tilli, an isolated town in the West African country's upper eastern region, will also help to protect the surrounding community from the worst effects of increased load shedding.

Around 150 temporary jobs will be created during the construction period, and a further 15 permanent positions during operation.

Once operational, the power plant will provide a significant contribution towards Ghana's national target of generating 10% renewable energy by 2020. And, by providing energy access in a part of the country where there is currently no utility-scale generation, it will reduce transmission losses and improve the performance of the national grid overall.

The sheer scale and ambition of the project, which is being developed by Windiga IDC Energy Ltd and supported by REPP in the form of a loan to pay for the feasibility study and other developmental costs, is a clear demonstration of how the private sector can overcome perceptions of renewable energy being a risky investment.

Currently, only 0.13% of Ghana's national grid is from renewable energy IPPs. As the project approaches financial close, expected to be in 2019, Tilli is likely to pave the way for further development of utility-scale solar PV projects by other IPPs in Ghana and beyond.



**Location**  
Tilli, Ghana

## AT A GLANCE

### Technology

Solar PV



### Project type

Grid-connected

### Offtaker

Electricity Company of Ghana (ECG)

## KPIs



Greenhouse gas emissions avoided: 31,500 tCO<sub>2</sub>e per year



People with improved energy access: 150,000



Jobs created: 150 during construction, 15 during operation



Installed capacity: 20MW

## FUNDING STRUCTURE

### Contracted date

15 August 2017

### Lending type

Development capital

### REPP funding

USD \$540,000

*"Windiga is thrilled to engage with REPP to make the Tilli project a reality. Once completed, this project will become a key driver of the regional economy and build capacity for further utility-scale solar PV projects among local technicians, other developers and the industry at large."*

*Simon Parent-Pothier, Windiga Energy*