



CaseStudy

Context

The Renewable Energy Independent Power Producers Procurement Programme's (REIPPPP) economic development policy requires that each approved project invests a minimum of 1% of its total project revenue into socio-economic development programmes for communities within a 50km radius of the project site. Project developers have indicated a need for support to maximise the developmental benefits of the programme.

Challenge

It is anticipated that in 2020 the South African Department of Mineral Resources and Energy will announce REIPPPP round 5. With price competition at its peak this round, socio-economic and enterprise development, localised ownership and job creation will play a key role in differentiating projects. Project developers have two main challenges to address:

1. How can projects better support the alleviation of poverty and job creation?
2. How to establish sustainable and impactful social economic development projects?

Project benefits

This project will improve the accessibility of clean energy, with direct and widespread knock-on impacts that will sustain and improve the socio-economic wellbeing of the community of Touwsrivier.

Electricity bills savings (Monthly per school)	R5 000
Electricity bills savings per school (~20 year PPA¹)	R1.2 million
CO2 emissions offsetting at both schools¹	< 700 tons

¹ Estimation is based on the CPV1 plant 20 year PPA with Eskom (note: the community owns the infrastructure until it reaches end of life, which may be longer than the 20 years.)

2020



Empowering schools and communities through the REIPPPP

Touwsrivier, Western Cape

CPV Power Plant provided 20kW solar PV systems to both primary schools in the Touwsrivier community: ensuring they have reliable energy supply and providing an educational opportunity for the learners.

Solution

CPV Power Plant No.1 (RF) (Pty) Ltd and the IPP financed the installation of two 20kW solar PV systems for Touwsrivier Primary School and Steenvliet Primary School. This project benefits the schools through reduced electricity costs, enabling the schools to redirect limited budgets to core educational needs and by exposing learners to renewable energy infrastructure, providing educational value.

Lessons learned and plans for the future

Collaboration between government and the private sector can unlock value in sustainable infrastructural projects implemented through the REIPPPP.

For your business to also benefit...

Contact GreenCape's energy team via email energy@greencape.co.za or at (021) 811 0250.