

Pre-feasibility study to determine the viability of ~6MWp Solar Photovoltaic (PV) at different sites for a cement factory



Benefit:
Solar PV versus Municipal tariff breakeven analysis and Business case development



Cost:
R100 000

This specific client recognised the importance of diversifying his supply of electricity to his different operations. The Mine was seeking Solar PV unit electricity prices to be competitive with Eskom’s Megaflex tariff and a reduction of his reliance on the national grid for energy and mitigation of the impact of the anticipated carbon legislation. This client’s specific challenge was matching Solar PV input to his daily and hourly varying production demand requirements.

BBEnergy’s experience lies not only in the utilisation of the latest Solar PV simulation software, but has extensive experience in electrical load and demand management at large energy users.



For this project:

BBEnergy was appointed to conduct a high-level scoping study to determine what size Solar PV plant would be economically viable taking into account potential sites available, grid connection options, technical designs, solar yield and techno-economic analysis and the review of historic and future load patterns to formulate a high level business case.

Completed in 2018.

