



## Plant Fact Sheet

Households to be Powered		100 000 average households per year
CO <sub>2</sub> abatement		Over 10.3 million tonnes over 20 years (over 500k tonnes annually during operations)
Value of Local content spend		37% (of total procurement spend during construction)
Job Creation	Construction	1500 jobs to be created at Peak (excluding indirect jobs) 400 Local Community jobs to be created at Peak (excluding indirect jobs)
	Operations	100 jobs to be created during O&M (excl. indirect jobs)
Socio-Economic Development Investment	Construction	R5 million for benefit to Local communities
	Operations	R575 million over life of the Project
Plant Technical Specifications	Net Plant Output	100 MW <sub>e</sub> (Contracted Capacity)
	Water Consumption	0.2 L/kWh using an Air-Cooled Condenser (Less than 15% of national average for Power Generation)
	Solar Plant Area	622 hectares (covering Solar Field and Power Block)
	Solar Tower	Height 250m (taller than Carlton Centre at 223m)
		Diameter 27m
	Solar Field Heliostats	1.05 million m <sup>2</sup> (reflective area)
		25.6 m <sup>2</sup> (area of each Heliostat)
		41,260 (the number of Heliostats)
	Solar Receiver	600MW <sub>th</sub> Molten Salt Receiver
	Thermal Energy Storage	12hrs (at full rated capacity)
		30,500 tonnes of Salts (40% KNO <sub>3</sub> & 60% NaNO <sub>3</sub> ) Hot Tank (566°C) and Cold Tank (290°C)

## Actual Status – as at July 2022

Current Project Status		45.5% completion (expected to operate early 2024)
Value of Local content spent to date		31% (of total procurement spend to date July 2022)
Job Creation	Construction	972 total jobs created to date with 1500 expected at Peak
		862 South African citizen jobs - 89% created to date vs 75% obligation
		811 Black South African jobs - 83% created to date vs 34% obligation
		314 Local Host Community jobs - 32% created to date vs 15% obligation
		105 Female jobs - 11% to date
		346 Youth jobs - 36% to date

