

SOLAR DECOMMISSION INPUTS				
<u>SECTION</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>COMMENT</u>
	Overall Size of Solar Farm	MW	250	Input overall size of power Generation
<u>Panels</u>	Development Footprint	ha	895	
	Number of Panels	each	715000	
	Panel Weight	kg	27	
	Area of Panels	ha	269.8	
<u>Foundation</u>	Foundation Type	Concrete Footing		Select foundationType
	Footings	m3	45000	It is assumed that size of the footing is 0.5m wide, 0.5m long and 1m deep
	Number of Piles	each	180000	
<u>Cable/Pit</u>	Quantity of Cable Per Panel	m	2.2	
	Number of Conduits	each	4	It is assumed that there are 4 conduits and there is 150m of conduits for each PCU
	Length of Conduit	m/PCU	150	
	Pit Intervals	m	250	
<u>Access Track/Make Good</u>	Access Track	m	50000	
	Access Track	m2	346500	It is assumed that every PCU has 1100m of access road and the width is 7m
	Access Road Thickness	m	0.15	
	Topsoil	m2	349155	
<u>Building</u>	Number of Buildings	each	3	
<u>Mechanical Section</u>	PCU Panel Intervals	panels	16000	Every 16,000 panels has 1 PCU
	Area of PCU Concrete Slab	m2	2655	The size size of a PCU is 12m long and 4m wide and the foundation size of a kiosk is 1.5m by 1.1m
	Thickness of PCU Concrete Slab	m	0.25	Assumed 250mm slab

	Steel Frames Quantity	tonne	2430	This item is for removing the steel frame. It is assumed that every 5m there is a column, beam and bracing
	Number of Kiosk	each	300	
Recovery	Silcon Recovery	%	8.5	
	Aluminium and Alloy Recovery	%	16	
	Copper and Alloy Recovery	%	2.4	
	Polymer and Plastics Recovery	%	4.5	
	Glass Recovery	%	60	
	Silver Recovery	%	0.1	
	Residual Waste	%	8.5	
Distances	Distance to Scrap	km	450	
	Distance to Landfill	km	500	

Contractor Allowance for Margin and Overheads	35%
Risk/Contingency Allowance	25%

SOLAR DECOMMISSION OUTPUTS			
DESCRIPTION	UNIT	AMOUNT	COMMENT
<i>Total Cost Exc Recovery</i>	\$	58,518,272.03	
<i>Recovery of Material</i>	\$	18,353,375.25	
<i>Total Cost After Recovery</i>	\$	40,164,896.78	
<i>Cost Per Mega Watt Exc Recovery</i>	\$/MW	234,073.09	
<i>Cost Per Mega Watt Inc Recovery</i>	\$/MW	160,659.59	
<i>Cost Per Panel Exc Recovery</i>	\$/panel	81.84	
<i>Cost Per Panel Inc Recovery</i>	\$/panel	56.17	