

Stephenson House Solar Panels

MAINTENANCE SCHEDULE FOR SOLAR PANELS			
SUB-SYSTEM OR COMPONENT	MAINTENANCE ACTION	FREQUENCY	REMARKS
SITE	Verify Cleanliness (accumulation of debris around and/or under array).	3m	Clean site as required. Remove obstructions if required.
ACCESS	Ensure safe access in reference to roof access procedures in place	3m	Check site procedures for safe roof access.
PV MODULES	Verify Cleanliness (accumulation of dust on array). Check for visual defects including: 1. Fractures 2. Browning 3. Moisture penetration	3m 1 Year	Clean if necessary Modules with visual defects should be further inspected for performance and safety to determine the need for replacement
	Frame corrosion Tube damage (water) Verify Bypass Diodes	1 Year	Any defective seals, clamps and bypass diodes are to be replaced.
WIRING/PIPEWORK INSTALLATION	Verify Mechanical Integrity of Conduits Verify insultation integrity of Cables installed with Conduit Check Junction Boxes for: 1. Tightness of connections 2. Water accumulation/build up 3. Integrity of Lid Seals 4. Integrity of Cable Entrance and/or Conduit sealing 5. Integrity of clamping devices 6. Thermal insulation of pipework condition Check earthing connections for: 1. Tightness of	5 Years 5 Years 1 Year	Any damaged conduit is to be replaced. Any damaged pipework to be replaced. Any damaged cable is to be replaced Any defective seals, clamps blocking diodes and surge arresters are to be replaced.
	connections 2. Corrosion Measure Open Circuit Voltages	1 Year	
ELECTRICAL CHARACTERISTICS	Measure Short Circuit Currents	1 Year	
PROTECTIVE DEVICES	Verify: 1. Integrity of Fuses 2. Operation of CB's and RCD's 3. Operation of Solar Array isolation device 4. Operation of earth fault protection system	1 Year	
MOUNTING STRUCTURES	Verify tightness and integrity of bolts and other fastening devices Inspection for corrosion	1 Year 5 Years	