

## **Solar Panels Maintenance Plan for Kentish Town City Farm**

Solar PV systems comprise 4 main items, PV panel, Inverter, meters, and interconnecting cabling. The maintenance plan to be adopted is as follows;

### PV Panels.

These are to be mounted on the stables and are easily seen from the ground. They will be visually inspected every 6 months with the results recorded in the site maintenance diary.

The need for cleaning will depend upon speed of fouling to the panel surfaces and would be shown by a reduction in the performance ratio (panel output compared to actual weather, often cleaning is not required for 3+ years. When needed the panels can be cleaned using a high reach pole system where the operative remains on the ground.

If access to the panels is required to say, replace a panel, then this can be achieved using a MEWP (Mobile Elevating Work Platform).

### System Inspection.

The system will be inspected by a competent person every 5 years as a minimum in conjunction with other electrical installations at the site.

### Condition Monitoring

The daily and 'total to date' production of electricity is to be displayed in the yard, this system will permit the daily generation of electricity to be compared over time with significant reductions caused by partial system failure flagging the need for additional inspection outwith the standard frequency.