Part I

APPENDIX A – Extract From Stage 2 Reports

NEWSHAM COURT.

Roof Structure. The structural engineer's report has concluded that the roof can support the proposed weight of the panels and framing During the installation works it has been recommended that load spreaders are used to adequately distribute the load to avoid compromising the roof.

Local Planning. Due to the system size, a prior approval is to be sought from the Local Planning Authority to determine any ancillary planning requirements that must be achieved beyond the requirements of 'Permitted Development'. It is considered that there should be no issues as the array is situated on a metal roof so, aesthetically, the modules should not look out of place. The modules will follow the angles of the pitched roof and be a maximum of 100mm above the surface, as such it is not expected to require additional planning permission.

DNO. An initial pre-project discussion has been undertaken with Scottish and Southern Electricity Networks (SSEN – the DNO) to establish the viability of connection to the grid. In discussion, it was indicated that the site has a 500kVa dedicated supply. Given the size of the system, high voltage (HV) modelling will be required but from the initial assessment, the proposed system size will be acceptable and there will be no issue with the grid connection. The formal DNO application will be undertaken by the chosen contractor.

Budget Estimates:

Work and Fees	Budget Estimate
Supply and installation	£204,885.00
Contingency (10%)	£20,488.50
Sub total	**£225,373.50**
Planning fees	£340.00
Laser Fees – Feasibility and survey	£6,000.00
Laser Fees – Procurement (5%(	£11,268.68
Laser Fees – Project Management (8%)	£18,029.88
Sub total	**£35,638.56**
Total Project Cost	**£261,012.06**

Part I

Timescales. It is estimated that, subject to any approvals or enabling work, the project can be completed within an 8-week period which has been calculated based on previous projects.

Bracknell Fire Station.

Roof Structure. Surveys on the two roofs concerned have concluded that the proposed solar PV systems can be installed with no additional structural strengthening needed. Like Newsham Court, it has been recommended that load spreaders are used during the installation work to adequately distribute the load to avoid compromising the roofs.

Local Planning. Due to the system size, pre-planning advice is being sought from the local authority to determine ancillary planning requirements that must be achieved beyond the requirements of 'Permitted Development'. It is not anticipated that there will be any restrictions or full planning applications needed based on the system size or location of the works. The flat roofs are not particularly visible from any public location, given the height of the buildings and, as such, have little effect on the passing street scene.

DNO. An initial pre-project discussion has been undertaken with SSEN to establish the viability of connection to the grid. The DNO has limited information on the site's supply so, as part of the application they have highlighted that they will have to model the HV network prior to approval. However, given the size of the proposed generation, it is unlikely that there will be any issues.

Budget Estimates

Works and Fees	Budget Estimate
Supply and installation	£45,936.00
Contingency (10%)	£4,593.60
Sub total	**£50,529.60**
Planning fees	£400.00
Laser Fees – Feasibility & Survey	£6,0000.00
Laser Fees – Procurement (5%)	£2,526.48
Laser Fees – Project Management (8%)	£4,042.37
Sub total	**£12,968.85**
Project total	**£63,498.45**

Part I

Timescales. It is estimated that, subject to any approvals or enabling work, the project can be completed within a 6-weeks period which has been calculated based on previous projects.

Maidenhead Fire Station.

Roof Structure. Surveys on the two roofs concerned have concluded that the proposed solar PV systems can be installed with no additional structural strengthening needed. Like Newsham Court and Bracknell, it has been recommended that load spreaders are used during the installation work to adequately distribute the load to avoid compromising the roofs.

Local Planning. Due to the system size, pre-application advice is being sought from the local authority to determine ancillary planning requirements that must be achieved beyond the requirements of 'Permitted Development'. The roofs are not particularly visible from any public location so it does not at this stage appear that full planning would be required for this project.

DNO. An initial pre-project discussion has been undertaken with SSEN to establish the viability of connection to the grid and it has been advised that the incoming supply is such that the proposed system can be connected without restriction or limitation.

Budget Estimates.

Works and Fees	Budget Estimate
Supply and installation	£60,552.00
Contingency (10%)	£6,055.20
Sub total	**£66,607.20**
Planning fees	£260.00
Laser Fees –Feasibility & Survey	£6,0000.00
Laser Fees – Procurement (5%)	£3,330.36
Laser Fees – Project Management (8%)	£5,328.58
Sub Total	**£14,918.94**
Project total	**£81,526.14**

Timescales. It is estimated that, subject to any approvals or enabling work, the project can be completed within a 4-weeks period which has been calculated based on previous projects.