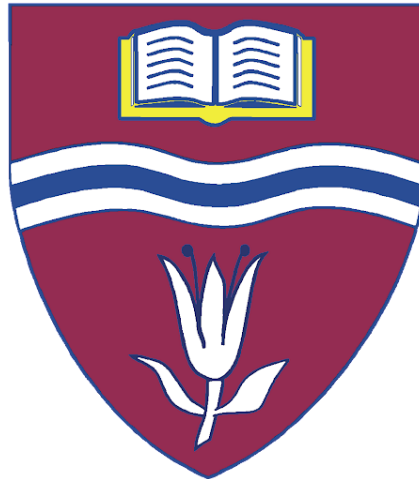




St Mary's C of E Primary School Design & Access Statement – Solar Photovoltaic System		
Site Address	Link Lane, Pulborough, West Sussex RH20 2AN	
Prepared By	Amanda Hopper	Study Manager
Technical Specialists	Andrew Mylroi Lamont Graham Young	Design Engineer Electrical Engineer
Approved By	Gareth Jefferies	Operations Director
Date of Report	12 th June 2026	
Version	V1.0	
Project Reference	RePP 25/8021	

Introduction

St Marys C of E Primary School, part of the Diocese of Chichester group of schools, aspires to achieve net zero by 2030. The school wish to install two rooftop solar photovoltaic systems to:

- Reduce its dependency on grid purchased power
- Improve resilience
- Support its net zero aspirations.

The design has been prepared by ReEnergise following analysis of the school's energy use and assessment of the potential for self-generation via rooftop solar photovoltaic (PV) arrays.

The Site

St Marys C of E Primary School is located in a village setting in Pulborough, West Sussex. The main school main building was built in 1972 with later extensions. The school has an existing rooftop solar PV array on a building at the east of the site.

Figure 1 below shows the site boundary. See [Appendix A](#) for site photos and [Appendix B](#) for site plans.

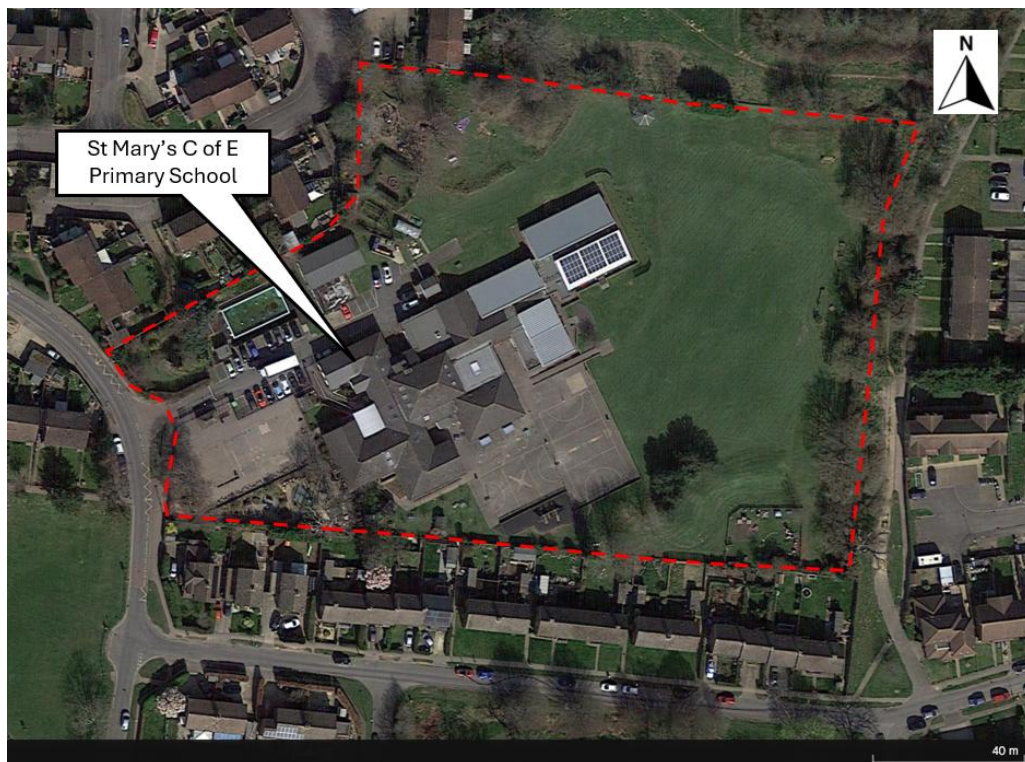


Figure 1: Site boundary, taken from Google Earth

Proposed Development

The proposed development is for the installation of two rooftop solar PV systems made up of four arrays totalling 20 kWp. Three arrays are on flat roofs facing a southerly direction, and the fourth array

is on a pitched standing seam roof facing east. The new systems comprise 66 panels and will have two 10 kWp inverters (one per system), each connected to a local distribution board (DB). The development is in addition to the existing solar array.

Arrays are mounted across the roof in rows with a southerly or easterly aspect (Figure 2 & Figure 3). Panel layout allows for load bearing, which has been confirmed by a structural engineering survey.

The proposed development is sympathetic to the design of the school building and its location. The arrays have been designed and panels selected to minimise local impact whilst also meeting and matching the needs of the school in terms of electricity generation. The proposed development is therefore not overbearing and does not cover the full extent of the school rooftops.

This is subject to final design by the approved contractor prior to installation.



Figure 2: St Mary's C of E Primary School solar PV model output representation, looking west.



Figure 3: St Mary's C of E Primary School solar PV model irradiance representation, looking north.

Carbon Emissions Reduction

The proposed development will reduce the grid purchased power by 23,058 kWh per annum when assessed against historic consumption. It is therefore estimated to save approximately 4.08 tonnes carbon dioxide equivalent (tCO₂e) per annum. National Grid has a target decarbonisation date of 2035, so this tCO₂e figure will reduce with time.

Appendix A – Site Photos



St Mary's C of E Primary School: Google Streetview image of main entrance from New Place Road



St Mary's C of E Primary School: View of building with flat roof proposed to be used to install one of the south facing arrays (highlighted)

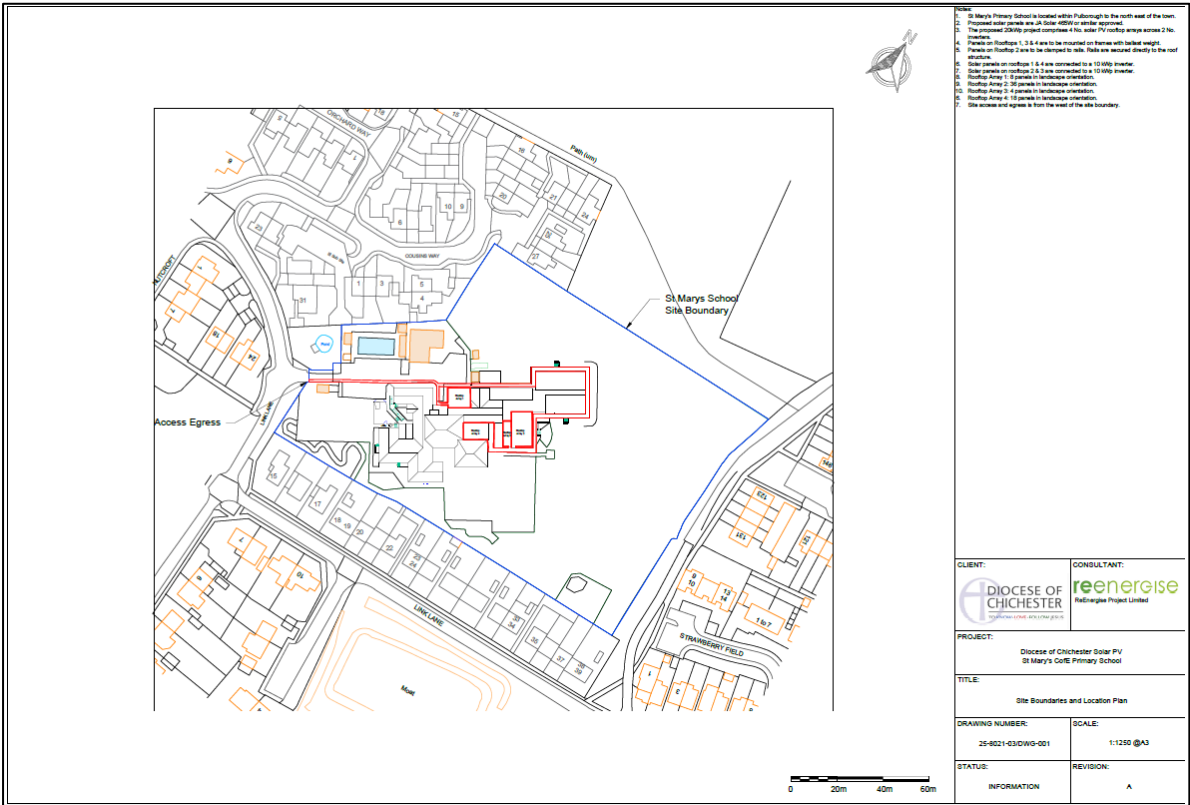


St Marys C of E Primary School: Aerial view looking east



St Marys C of E Primary School: Existing solar PV array. Inset aerial photo shows location of roof.

Appendix B – Site Drawings



Site boundaries and location plan



Existing plan and elevations



Proposed plan and elevations