

Report to the Surrey Climate Commission

The installation of 16 solar panels with battery back-up and connection to the National Grid was completed on Monday 24th April.



Delwyn Vincent, our Group Scout Leader, reported to the Group:

“Today marks another milestone for 1st Frimley Green & Mytchett Scout Group. We started to generate and store our own electricity. As you might have been aware, one of the projects we have undertaken this year was to install solar panels, along with a storage battery, at the Scout Centre.

On Friday, the panels were installed onto the south facing roof and connected to the Centre’s electrical system. At that point they started generating electricity, just in time for Earth Day on 22nd April. We exported 12 kWh of surplus electricity back into the National Grid.

This morning, a 10kW battery was installed at the HQ and we started storing this excess electricity to reduce our dependency on the National Grid. Once the battery is fully charged, any additional electricity will again be exported back to the Grid.

Through the hard work of our Group’s treasurer, Dave Cooper, grants have been secured to help pay for the cost of this system.

Over coming terms, our Scouts will be keeping up to date in their meeting activities with how the system is functioning and how it benefits ourselves and the world at large.”

The panels lie in full view of people using the extremely busy Frimley Lodge Park car park and have already drawn appreciative comments. We hope it encourages others to follow our example.

The functioning of the system can be communicated through our WiFi system to smartphones and laptop computers. This vividly brings home how the system is operating and allows us to monitor how each panel is performing. The graphic on the next page shows how the system was operating on connection to our electrical system but before connection to the battery. It is already clear, though, that our dependence on imported electricity will be massively reduced.



One immediate consequence of this project is that I have asked the contractor to quote for a similar system for Frimley Community Centre. It looks far more sophisticated and efficient than other offers I have received.

A. J. Moore

Group Chairman