Leicester City Council's Salix Programme Newsletter

Leicester City Council

Late January 2022

Welcome to the latest edition of the Salix Programme newsletter. This time we are showing you how our project sites are already reaping the benefits of more efficient technology through energy savings, and see recent progress from project sites.

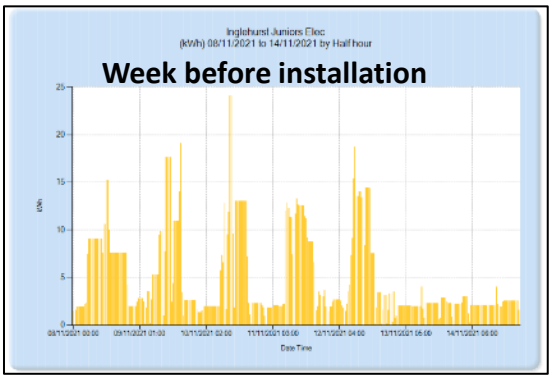
Dynamat2050 – Energy savings and carbon reduction data

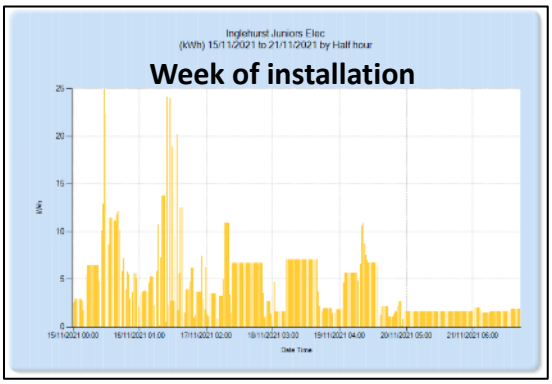
Dynamat2050 is web based software designed to track energy and water consumption in buildings. Our corporate estate and a number of our schools are part of the city council's Built Environment School Service (BESS) programme, and therefore have access to the Dynamat software to empower staff and their students to take control of their energy and water use. Using this software, we can monitor to see if technologies installed under the Salix programme are matching predicted reductions at some city schools. For schools not in BESS Energy we monitor via billing data.

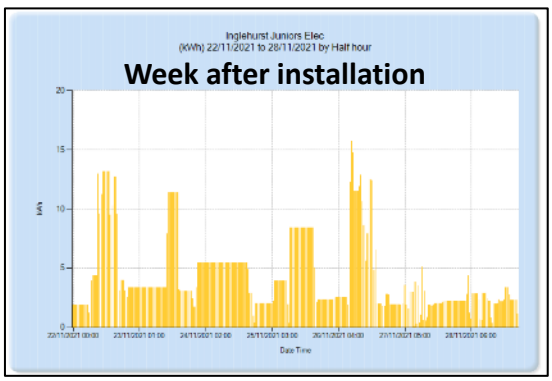
Inglehurst Junior School

The installation of new LED lighting at Inglehurst Junior School took place from 15-19 November 2021. Using Dynamat2050, we are able to see the school's electricity consumption before, during, and after installation. See the table below for consumption data during these three time periods.

Date	Electricity Consumption	Carbon emissions
08/11/21 – 14/11/21	1608 kWh	337.9 kg
15/11/21 – 21/11/21	1445 kWh	303.6 kg
22/11/21 – 28/11/21	1374 kWh	288.8 kg







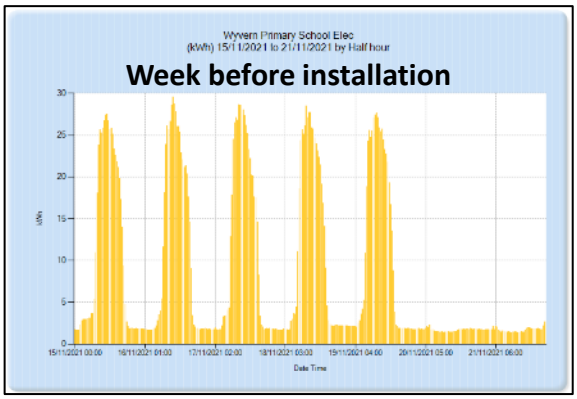
Using the data from the table above, we can already see a reduction in electricity use. In this three week time period, Inglehurst Junior School has saved 234kWh of electricity, and their weekly carbon footprint has reduced by 49.1kg of carbon since installing more efficient lighting across the building. The school is yet to have solar PV panels installed, which will help to reduce their carbon footprint even further.

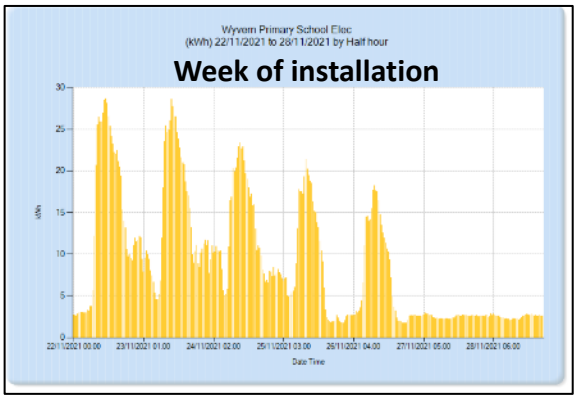
Over a year this would around 1.96 tCO_2e (tonnes of CO_2 equivalent).

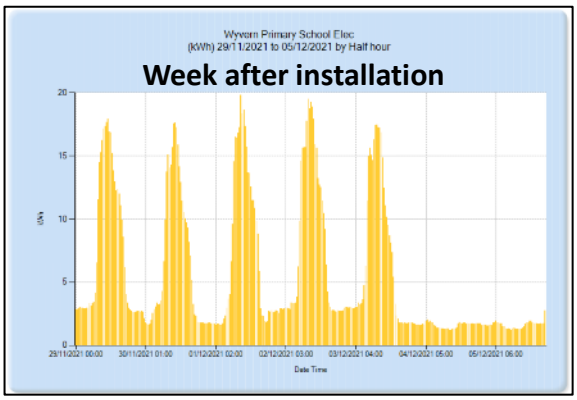
Wyvern Primary School

LED lighting was installed at Wyvern Primary School between 22 – 26 November 2021. The graphs to the right show electricity usage at the school in the week before, during, and after installation.

Date	Electricity Consumption	Carbon emissions
15/11/21 – 21/11/21	2821.8 kWh	592.9 kg
22/11/21 – 28/11/21	3033.1 kWh	637.2 kg
29/11/21 – 05/12/21	1898.2 kWh	398.8 kg







It is important to note the increase in electricity consumption during the week of LED light installation.

During this week, contractors worked through the night to complete the installation outside of school opening hours, and so electricity use in the evenings and overnight was much higher than it usually would be.

Using this data, we can see that post-installation electricity consumption has dropped by 923.6kWh, which is almost a third of the school's weekly electricity use. Wyvern Primary School's weekly carbon emissions dropped by 194.1kg after the installation of more efficient lighting. As well as cutting the school's carbon footprint, it will also help to reduce their energy bills.

Over a year this would total to approximately 7.5 tCO_2e (tonnes of CO_2 equivalent), which is an estimated 67% reduction on their electricity use.

Salix promotional banners

Last year we delivered Salix banners to 12 individual schools, for use on their premises. We would now like to invite more of our stakeholders to request a banner to help showcase the great decarbonisation work taking place on your sites. Both outdoor railing banners and indoor pop-up banners will be available. If you would like to display a banner at your site, please get in touch with us via email: Salix.Project.Team@leicester.gov.uk.

Completed works

LED lighting

Work has recently been completed by Energy Saving Lighting (ESL) to install new LED lighting at St Mary's Fields Primary School, and the school have already noticed a vast difference:

" We had our LED lights fitted last week and I can't thank you enough! The difference it has made to the old part of the school, our office, reception! The team was great that fitted the lights & worked extremely hard through the night & cleared up all the mess, you wouldn't know they had been!"

Jemma Linnell, Business Manager, St Mary's Fields Primary School

Solar PVs

Scraptoft Valley Primary School has recently had solar PV panels installed by solar panel installation company, Feed It Green Ltd. See photographs of during and after installation below.

Completed works

Solar PVs

Oaklands School has recently had solar PV panels installed by PV contractor Feed It Green Ltd. The panels have been installed on the roof of the school building, and will help the school to generate their own electricity, in turn reducing their carbon footprint and energy bills.

Netherhall School now has PV panels on the roof of their building, installed by contractor, Energy Saving Lighting. See below for photos during and after installation.

If you would like to share any feedback on project progress at your site, please get in touch using the email address below.

Contact us

Each site has a dedicated project manager (Alan Evans or John Squires), however if you have a general question or need to get in touch with the Salix Project Team email us at Salix.Project.Team@leicester.gov.uk