

# Leicester City Council's Salix Programme Newsletter



Leicester  
City Council

February 2022

Welcome to the February 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.

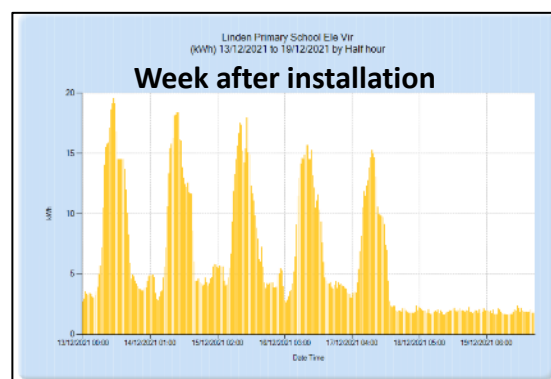
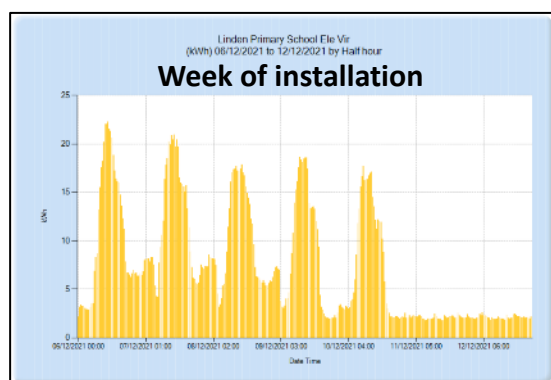
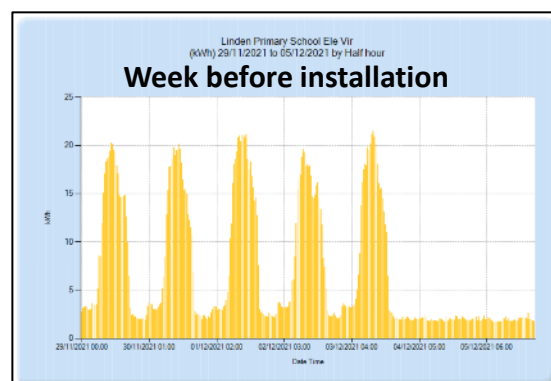
## Dynamat2050 – Energy savings and carbon reduction data

Last time, we explained how we could use Dynamat2050, a web based software designed to track energy and water consumption in buildings. This week, we are taking a look at other schools that are part of the city council's Built Environment School Service (BESS) programme, to see if and how their electricity usage has changed since the installation of their new decarbonisation technologies. For schools not in BESS Energy we monitor energy usage via billing data.

### Linden Primary School

The installation of new LED lighting took place at Linden Primary School between 6-12 December 2021. Using Dynamat2050 we can see the school's electricity consumption before, during and after installation.

Date	Electricity Consumption	Carbon emissions
29/11/2021 – 5/12/2021	2347.1 kWh	493.1 kg
6/12/2021 – 12/12/2021	2514.4 kWh	528.2 kg
13/12/2021 – 19/12/2021	2099.1 kWh	441.0 kg



See the consumption data in the table above. We must note that there was an increase in electricity use during the LED installation week. During this week, contractors worked through the night to complete the installation outside of school opening hours, and so electricity usage overnight was much higher than it usually would be.

We can see a reduction in electricity use following the installation of more efficient lighting. In the space of two weeks, the school's electricity usage has dropped by 248kWh, and carbon emissions have reduced by 52kg. Over a year, this would total to a reduction of approximately 2.1 tCO<sub>2</sub>e (tonnes of CO<sub>2</sub> equivalent) from last year's carbon emissions value of 15.2 tCO<sub>2</sub>e.

## Folville Junior School

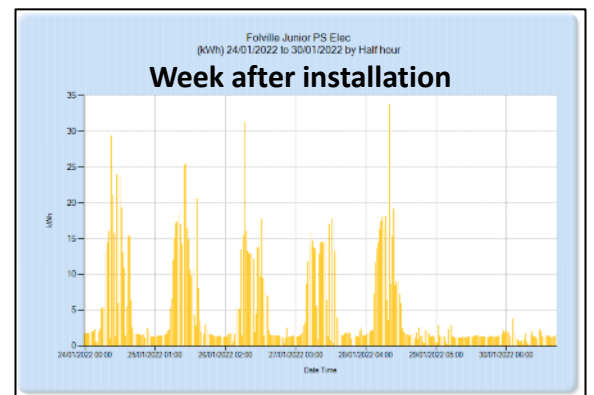
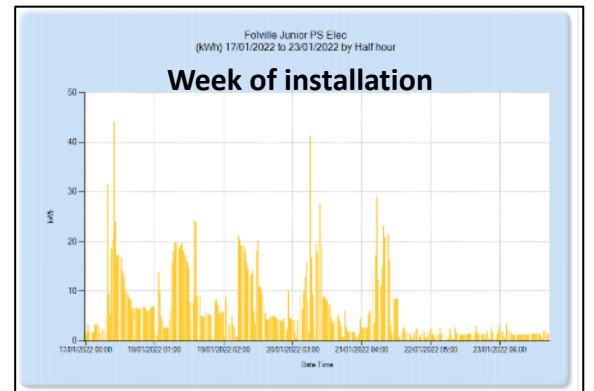
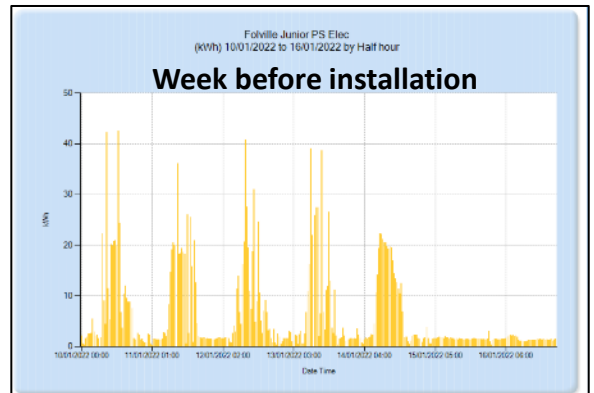
The installation of Folville Junior School's LED lighting took place between 17-23 January this year. Using Dynamat2050 we can see the school's electricity consumption before, during and after installation.

Date	Electricity Consumption	Carbon emissions
10/01/2022 – 16/01/2022	1979.6 kWh	415.9 kg
17/01/2022 – 23/01/2022	2051.2 kWh	430.9 kg
24/01/2022 – 30/01/2022	1602.1 kWh	336.6 kg

Again, we can see the increase in electricity usage during the installation week due to evening and overnight works.

After installation, Folville Junior School's weekly electricity use has reduced by 377kWh per week, and the carbon emissions have dropped by 79kg. This is the equivalent of 3.1 tCO<sub>2</sub>e (tonnes of CO<sub>2</sub> equivalent) annually – last year the school carbon footprint was 12.2 tCO<sub>2</sub>e.

The school is also due to have solar PV panels installed under the Salix programme, meaning the building will be generating its own electricity. This will reduce the school's energy consumption and electricity bill further.



## Salix promotional banners

Would you like a banner to display on your site to showcase the great work taking place to decarbonise your building? Both outdoor railing banners and indoor pop-up banners are available. If you would like one to display, please get in touch with us via email:

[Salix.Project.Team@leicester.gov.uk](mailto:Salix.Project.Team@leicester.gov.uk).



## Sustainable Schools Team offer

As part of the Salix work the Sustainable Schools Team are committed to engaging with stakeholders in school to understand your energy efficiency measures.

For example, the team can:

- Carry out **whole school/year group assembly** explaining the technologies being installed and why we are undertaking them
- Work with the **Eco-team, school council or class of students** with a small presentation explaining the technologies and carbon savings, enabling them to think about further interventions
- Support understanding the energy saving associated with your technology (e.g. LEDs PVs and windows)
- Support displaying energy production where solar PVs are installed.
- Discuss the benefits with school staff
- Discuss the benefits, impacts or SLA with governors either in 1:1 meetings or attend governing body meetings.

If you would like to discuss your requirements, please get in touch with Lee Jowett, Sustainable Schools Manager 0116 454 2271 or [lee.Jowett@leicester.gov.uk](mailto:lee.Jowett@leicester.gov.uk)



Find out more by getting in touch:

**Sustainable Schools Team**

City Hall, 115 Charles Street, Leicester LE1 1FZ

✉ [Eco-Schools@leicester.gov.uk](mailto:Eco-Schools@leicester.gov.uk)

🌐 [schools.leicester.gov.uk/eco-schools](http://schools.leicester.gov.uk/eco-schools)

🐦 [EcoSchoolsLCC](https://twitter.com/EcoSchoolsLCC)

📷 [EcoSchoolsLCC](https://www.instagram.com/EcoSchoolsLCC)

📘 [EnvEducationLeicester](https://www.facebook.com/EnvEducationLeicester)

☎ 0116 454 2271

## Completed works

Mellor Community Primary School has recently had solar PV panels installed by Energy Saving Lighting (ESL). This will help the school to generate their own electricity, in turn reducing their carbon footprint and saving on energy bills.



## Completed works

### LED lighting

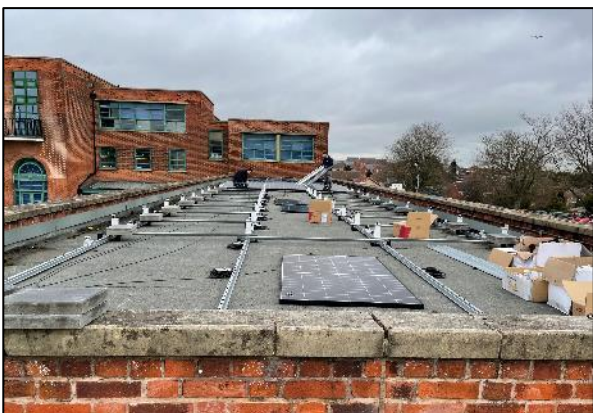
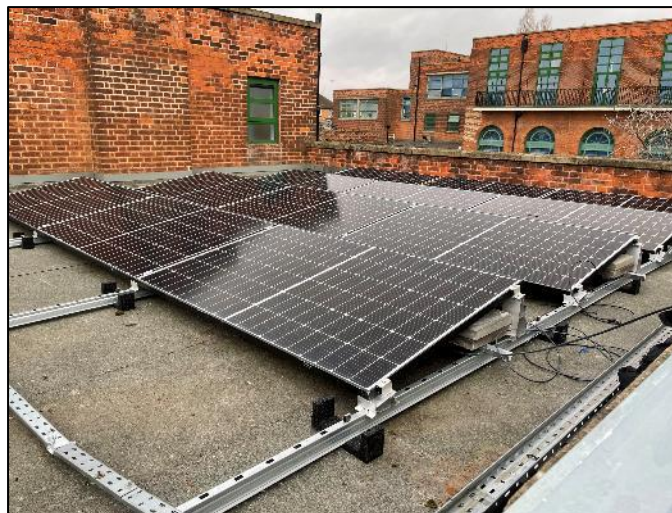
Sandfield Close Primary School has recently received new LED lighting across the school building. This has noticeably brightened up their building and will help the school to save on energy costs and reduce carbon emissions by using more efficient lighting. See photos of their new lighting below.



## Completed works

### Solar PVs

Alderman Richard Hallam Primary School have had their solar PV panels installed on the roof of their building. See below for photos during and after installation of the panels.



**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](mailto:Salix.Project.Team@leicester.gov.uk)