

Issue 2

April 2023



LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

The NAB Electrification Newsletter

Dear Colleagues,

This newsletter provides an update on the New Academic Building Electrification project and associated service shut-downs and mitigation measures.

Inside this issue:

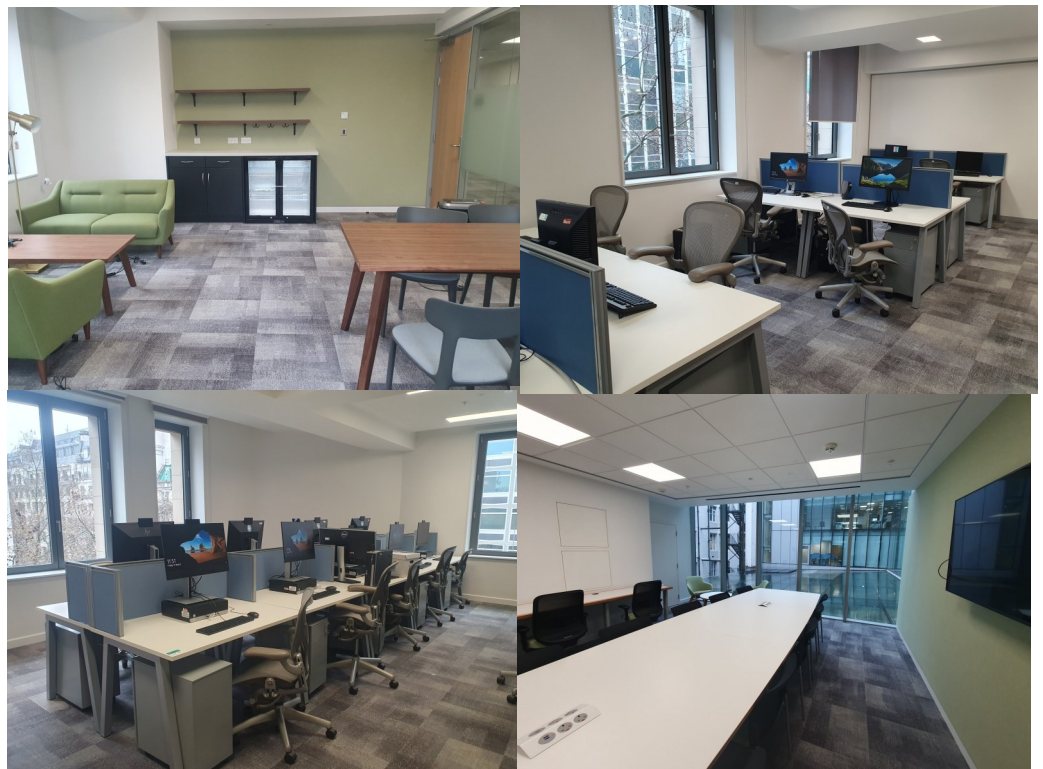
Estates projects in New Academic Building	1
Electrification—work phases, services shutdowns and planned disruption	2

Estates Division

New Academic Building Electrification

What Estates are doing in New Academic Building (NAB)

This newsletter provides an update on the New Academic Building Electrification and Levels 3-7 refurbishment project, including information on the measures being taken to reduce the impact of the forthcoming service shutdown works. Levels 3-7 refurbishment works are now complete. Works on levels 3 and 4 for the Department of Geography were successfully completed on 23 March 2023 and the department moved into their new offices on 31 March 2023. Photos below show the newly completed space.



Electrification

As announced in the February 2023 newsletter, the New Academic Building is the first building in the carbon reduction programme to be converted to be fully powered by electricity, which will reduce the Campus gas usage by approximately 8%.

This project aligns with the LSE 2030 strategy and the School's commitment to reach Net Zero Carbon by 2030 for emissions linked to the energy use of its buildings (Scope 1 and 2).

To deliver this target, the School has adopted a programme of electrification of gas-fired systems campuswide to take advantage of the decarbonisation of the UK electricity grid (LSE already sources electricity from 100% renewable sources). What this means in NAB, is that the gas boilers in the basement and chillers on the roof are being replaced with more sustainable air source heat pumps.

Yours sincerely 

Director of Capital Development



Estates Division
Capital Development

New Academic Building Electrification

Electrification - work phases, services shutdowns and planned disruption

The project commenced on 8 March 2023 and will complete on 17 August 2023. The project consists of a sequence of planned plant replacements which are being undertaken in several phases. The red line below indicates current progress. To date three building shut downs have been successfully completed.

Work Phase and disruption	March 2023	April 2023	May 2023	June 2023	July 2023	August 2023
LV Panel replacement	[Orange bar]			[Orange bar]		
Decommissioning of chillers and installation of air source heat pumps	[Yellow bar]		[Yellow bar]			
Installation of condenser pipework from the roof to the basement;		[Green bar]				
Decommissioning of boilers.			[Blue bar]			
Installation of water heaters serving B, LGF and GF toilets and kitchen		[Dark Blue bar]				
UPS replacement					[Light Blue bar]	
Contractor's site / workshop set up.	[Purple bar]					

The remaining works will result in the following disruption to the building prior to completion:

Bicycle parking closure – 8 March - 17 August 2023 (Please use alternative bike parking and shower facilities in the LGF of the Marshall Building. Please be aware that on completion of the project, the bike parking will be relocated to the adjacent area in the basement, further information to follow.)

Full building shutdowns (No access to the building) on **Saturday 5 August 2023**. Please note that on this day there will be no data network available to the building, remote access to desk PC's will not be possible.

Short period temporary closures of GF and LGF Toilet Facilities - May 2023, dates TBC.
Lincoln's Inn Fields entrance and road closure, closure of NAB level 8 roof terrace, due to crane lift – Sunday 30 April 2023.

No cooling to the building during this period - 13 March - 03 August 2023. (Mitigation measures have been put in place with a temporary unit on the NAB forecourt to supply the lecture theatres. This will be removed when the new system is operational).

There will be no heating to the building – 02 May – 17 August 2023.

Works to Eastern riser core to install condenser pipework affecting all levels – 27 March – 16 June 2023.

Reporting Issues:

If staff or students find any spaces that are cold, facilities that have no hot water or any building damage please report this via the Estates Helpdesk at Estates-Help-Desk@lse.ac.uk and the team will aim to prioritise these areas.

If you have any queries about the upcoming works please contact:

Barbara Moldawa— Senior Project Manager: b.moldawa@lse.ac.uk

Emma Lovegrove—Assistant Director of Capital Development: e.j.lovegrove@lse.ac.uk