



2022_23 Q3 Energy Performance Review

**A TRADITION OF
INDEPENDENT
THINKING**



University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

Energy Performance Review Q1 22/23

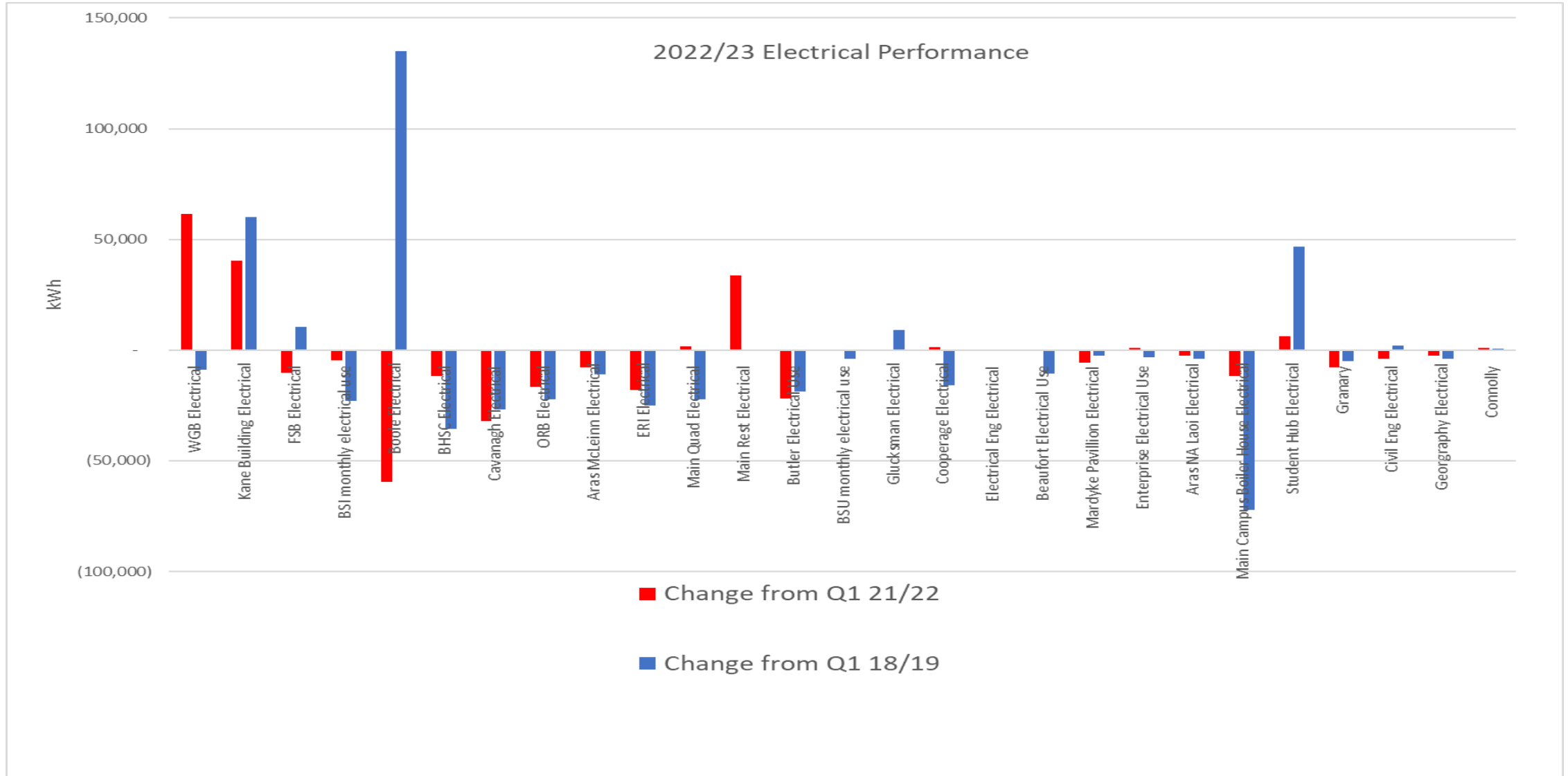
1. Summary of Q1 Energy Performance.
2. Energy Projects Update
3. Audits & NC's.
4. Christmas Performance.

Q 1 22/23 Energy Performance

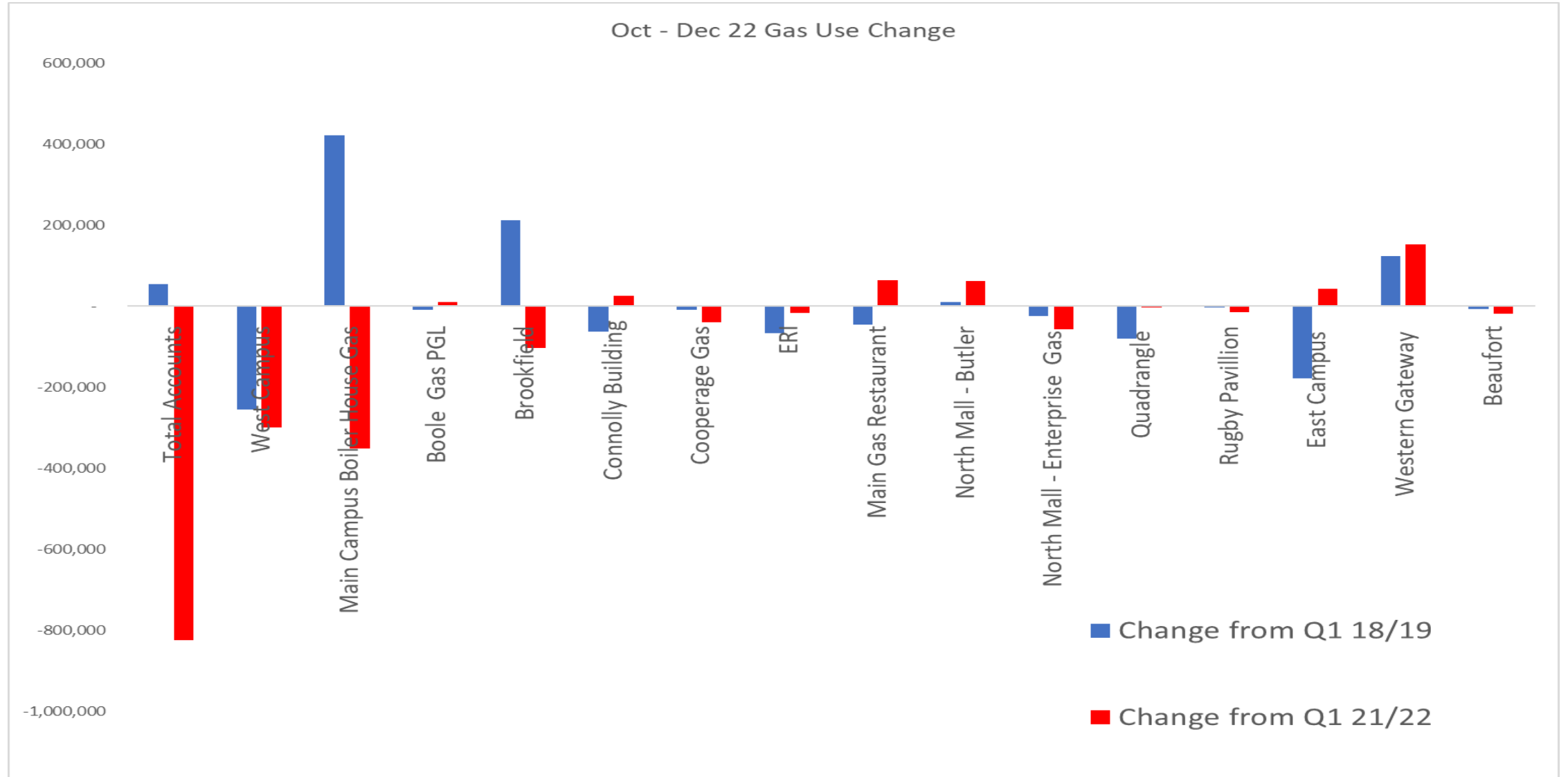


| Scope | 2022/23 Q1 | 2021/22 Q1 | 2018/19 Baseline |
|----------------|------------|------------|------------------|
| Electrical GWh | 5.0 | 5.2 | 5.2 |
| Gas GWh | 6.7 | 7.5 | 6.7 |
| Total | 11.7 | 12.7 | 11.9 |

22/23 SEU Electrical Energy Q1



22/23 SEU Gas Use Q1



Audits / Non Conformities

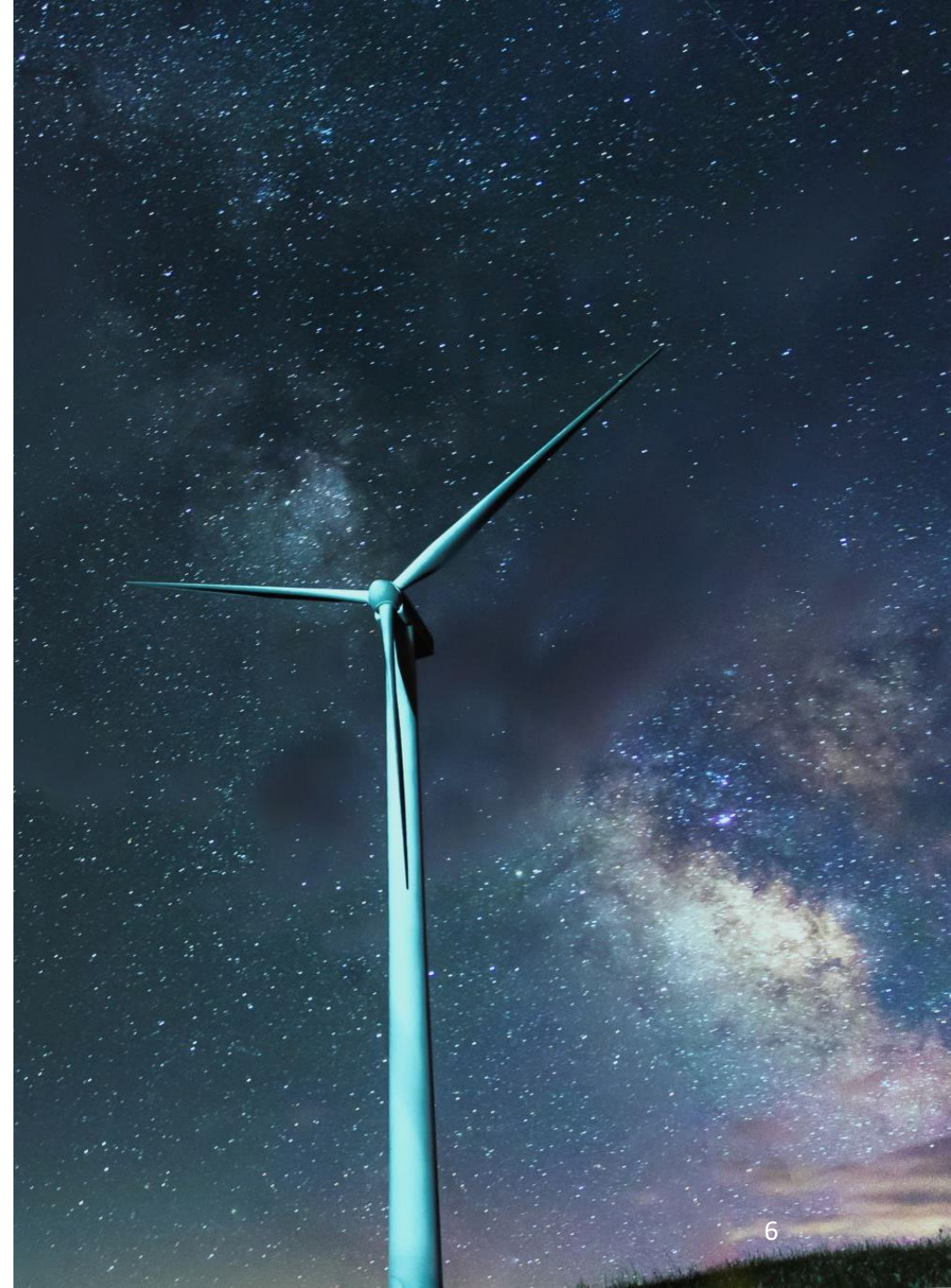
Capital Projects

Consider improving the approach to commissioning and testing of projects prior to completion. This could include testing to ensure that all elements of the schedule of services are being delivered and that energy and carbon performance specifications are being met.

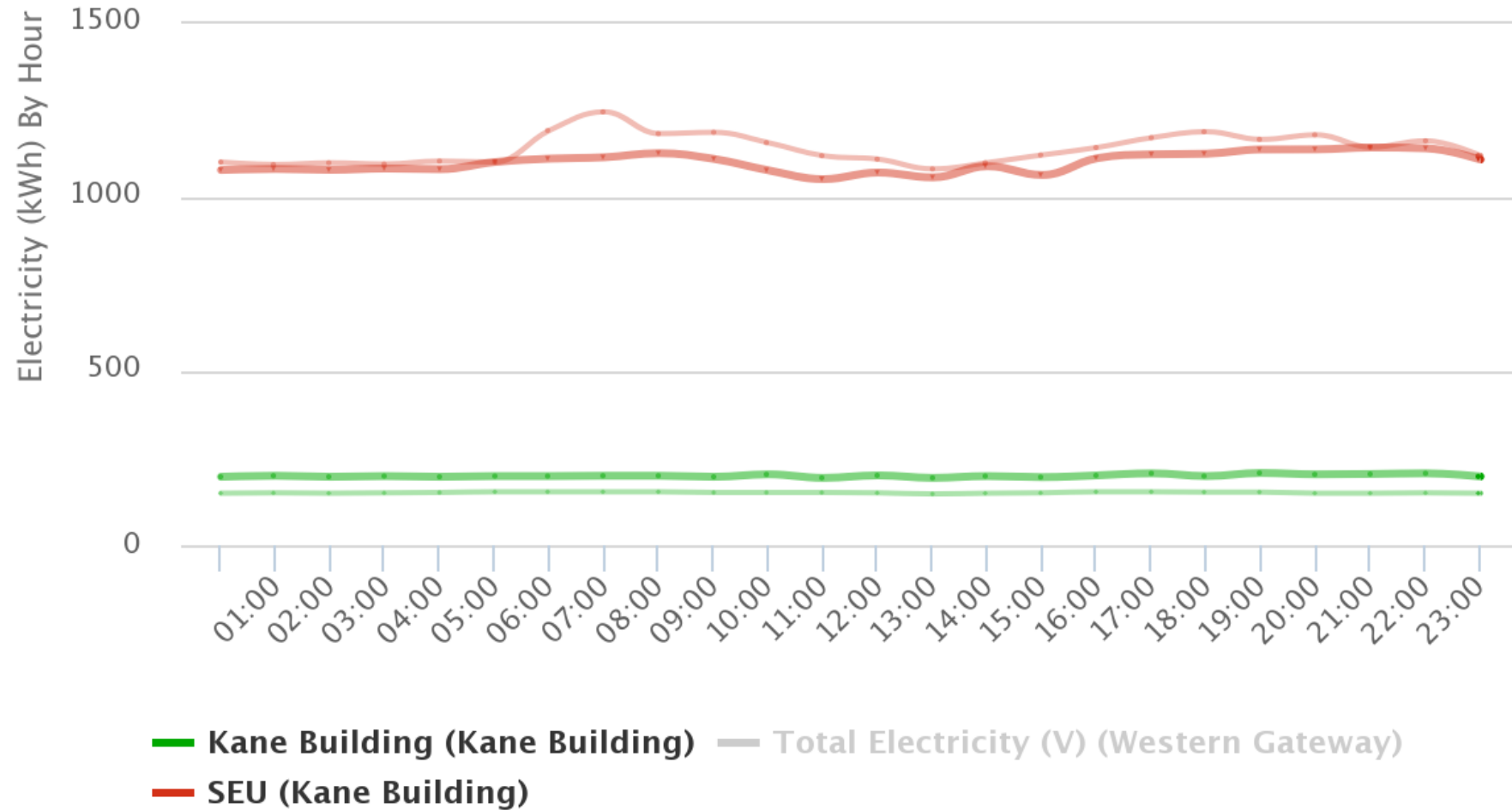
Minor Works

- Utilise the space specification document as part of the design specification for upgrading spaces. This would include specification for light levels, ventilation rates, winter and summer temperature, humidity, etc.
- Utilise the space specification document as the basis for commission and testing completed projects to ensure they deliver the design intent and that they achieve their energy and decarbonisation objectives.
- Develop a short workflow for the design process including all relevant steps including specification, energy and carbon challenge, design, project management, construction, commissioning, and handover, etc.
- Consider the use of the concepts in IS 399 Energy Efficient Design as a basis but adding a decarbonisation approach.
- Publish a short “lessons learned” summary of each project to aid future projects in continuing to improve over previous projects. This could include items not to repeat in the future as well as items to include and improve upon.

Engineering Services – Operational Control audit schedule Feb 2023



Christmas Day Performance Electrical



Legal & Other Obligations Review – New items

| Register (R-004 Rev-004) Clause 8.1.3 Compliance Register Energy / Environmental System Manual (EEM) ISO 60001:2018 | | | | | | | | |
|--|---------------|--------|--|--|--------------------|--|-------|-----------------|
| SEU | Legal / Other | Source | Obligation | Summary | Responsible person | Indicator of conformity | 21/22 | 22/23 |
| UCC | Legal | US | Energy Performance of Buildings Directive Articles 8(3), 14(4) and 15(4) – Electric Vehicle Recharging Points and Building Automation and Control) | requirements for BMS in buildings of certain energy footprint and addition of EV charging points in car parks over 20 spaces. - by Dec 2025 | Energy Manager | Compliance Assessment 3 www.seal.ie • Review buildings in your portfolio for applicability – I.e. Identify buildings with systems < 290 kW – Review the BAC's in place – Put systems in place prior to 31st December 2025 • Technical and economic analysis to be carried out by a competent person (Building Control Act 2007) • Evidence of compliance assessment should be retained - EV charging analysis of car parks | | Not due to 2025 |
| UCC | Legal | HEA | 503180812 – Reduce Your Use Energy efficiency campaign | Given the ongoing situation in relation to energy prices and supply, the Government has decided (Decision S19483H) that all public sector bodies must continue to lead by example in lowering energy consumption and costs by signing up to the Sustainable Energy Authority of Ireland (SEAI) and the Office of Public Works (OPW) Reduce Your Use energy efficiency campaign for public bodies including implementing appropriate measures | EPO | Sign Up to the Campaign. Promote the resources. Follow guidance issued, i.e. Heat, Light and Space management. - Achieve 5-15% reductions in energy use | | Added |
| UCC | Legal | HEA | 503180810 – Public Sector Climate Action Mandate | to adopt the Public Sector Climate Action Mandate as set out in the Government's Climate Action Plan 2021. Additionally, by end 2022, your Institution is required to have developed a Climate Action Roadmap setting out how it will deliver on its energy efficiency and greenhouse gas emissions reduction targets | EPO | Produce Climate Action Roadmap | | Added Oct 22 |