



The Good News:

ABM and JLL management team have taken a collaborative approach to total TFM at Churchill Square shopping centre to deliver high standard services and environmental sustainability outcomes. As part of the collaborative cleaning services, ABM have introduced the Green Care initiative on site. Using this methodology, toxic and caustic chemicals are replaced with sustainable certified alternatives, more energy efficient machinery is used, and grey water recycling is utilised. The M&E team are working towards reduced greenhouse gases with energy saving initiatives in collaboration with the JLL management team, the energy manager and consultants from the clients designer.

ABM Green Clean

As part of their initiative to be more environmentally conscious and to meet their sustainability targets, Churchill Square Shopping Centre have been working with ABM to introduce core aspects of the Green Cleaning approach.

The solution implemented by ABM as part of their GreenCare cleaning programme includes using ecolabel products, Odorbac tec cleaning chemicals, and bin bags that are made using 100% recycled materials. Using these products and materials has allowed ABM to support and help deliver the centre's sustainability goals thanks to their reduced environmental impact. The site also invested in more energy-efficient machinery such as a new drier and new floor cleaner. The new floor scrubber is the Tennant T3000 Walk-Behind Scrubber-Dryer. The battery powered machine provides detergent free floor stripping whilst reducing water consumption and eliminating caustic stripping chemicals, which helps to reduce the levels of harmful chemicals and vapour.





The OdorBac closed loop container collection service reduces waste from cleaning supplies by implementing the simple but effective solution of sending back used container to be refilled by the supplier. The Churchill Square team also uses a silver sustainability award winning phosphate free laundry detergent, and makes use of an EV truck to move cleaning machinery and waste to the correct collection points and aid in waste segregation.

JLL independently manages the removal and treatment of the site's waste, ABM have helped with segregation and storage of waste from tenants and customers, whilst the site also ensures pallets are separated for reuse and makes use of its on-site waste crusher. Between November 2021 and September 2022, there has been **591 tonnes of waste segregated** (246 tonnes recovered and 345 tonnes recycled) by the ABM team with the help of the sites' tenants. emissions.

The processes put in place at this site have reduced costs significantly for both energy and cleaning materials. ABM have worked with the client to be a driving force towards the site's sustainability goals, substantially reducing their waste, pollution, fuel consumption and greenhouse gas emissions.

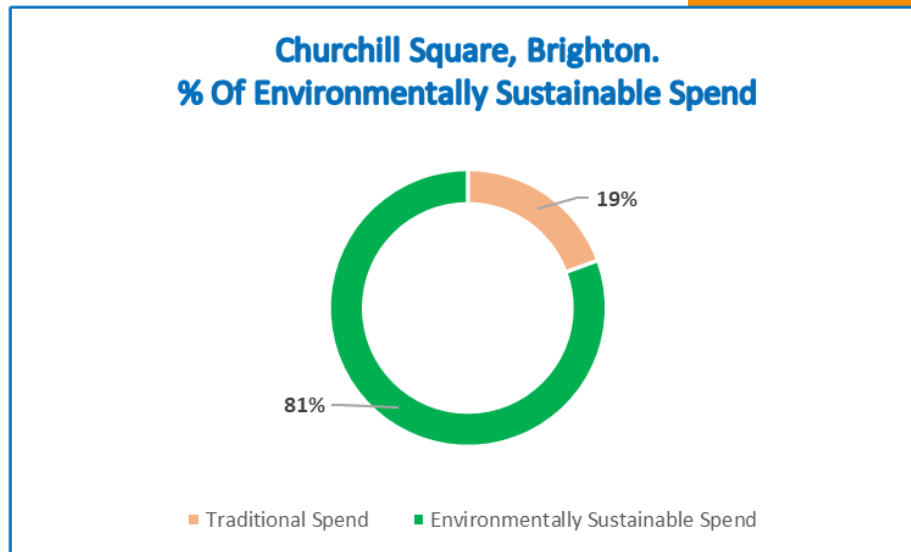
Mark Buchanan-Smith, Churchill Square Centre Director said: "Since we started working with ABM last November 2021 with the award of the soft services provision at Churchill Square Shopping Centre, they have introduced many new sustainable practices that improves our ESG credentials. It great to work with a supply partner that has ESG at the forefront of their excellent service delivery."

Environmentally Sustainable Materials Spend

The ABM GreenCare Cleaning programme prioritises environmentally sustainable products as standard and where an environmentally sustainable product exists, it is included. This is reflected in the spend that is identified as environmentally sustainable relative to the total material spend in 2022.

ABM is committed to improving this in 2023.





Energy Savings towards NetZero in Churchill Square.

Since 2018, ABM has been working with JLL management and their designers and energy managers, going beyond maintenance activities to reduce energy consumption and so work towards our collective journey plans to NetZero.

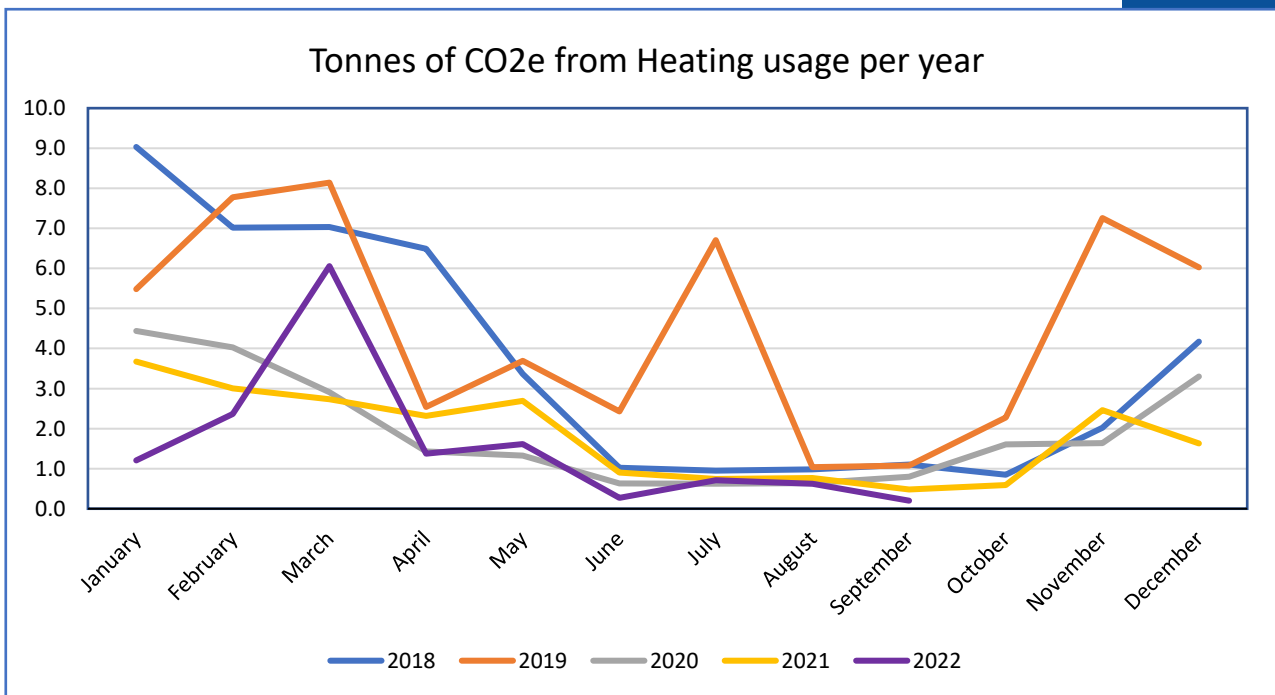
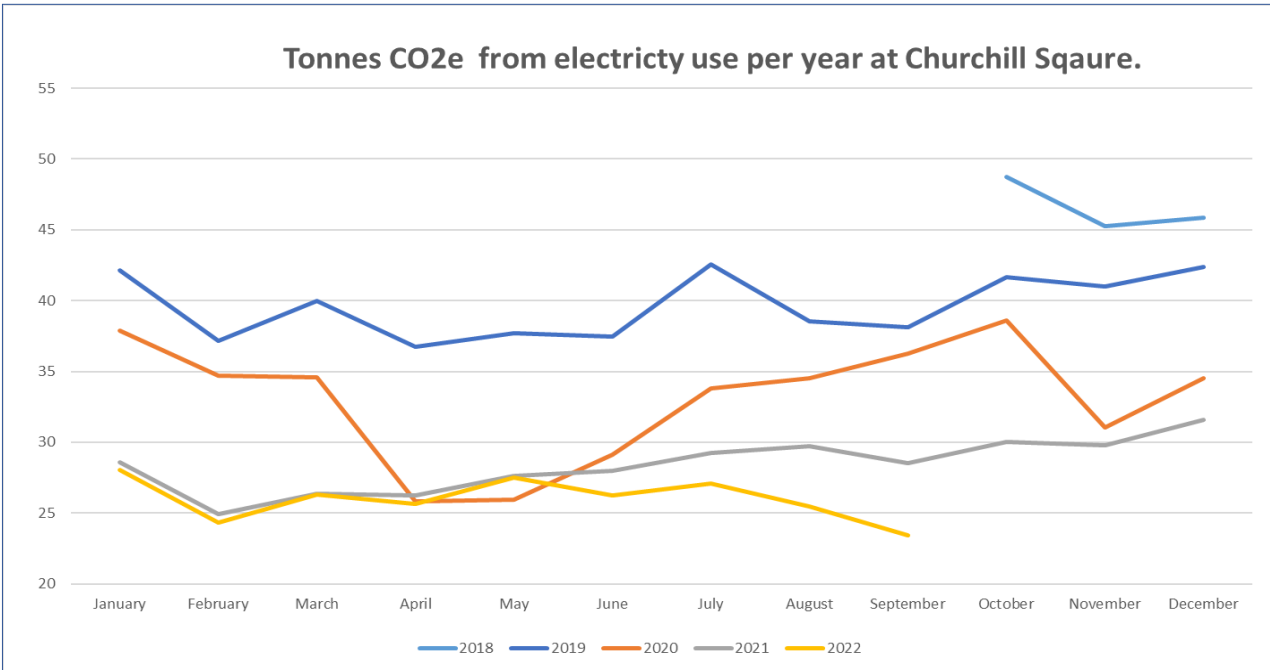
This team has worked collaboratively to reduce their greenhouse gases due to energy consumption. A number of energy saving projects have been implemented;

- LED lighting installations,
- lighting timers and sensors
- Use of 'free cooling' system in the warmer months

The team has addressed both electricity and gas consumption and target technologies and solutions to realise significant change.

Between 2018 and 2021, we have reduced Churchill Square Shopping Centre emissions by 135.27 tonnes of CO₂e. It must be noted that some of these savings can be attributed to the pandemic. However, by September 2022 (a non-lockdown year) there was a saving of 15.05 tonnes CO₂e from 2021.

'Free Cooling' uses the power of natural ventilation on the site to cool the building so negating the use of HVAC. The 'Free Cooling' process includes leaving open front entrance doors and windows during the warmer months allowing fresh cool air to circulate in the building. It also included measures like retrofitting vents in the roof of the building to allow warm air to escape the building naturally. Continued fire protection is assured through automated systems. The Free cooling system has resulted in a savings of 2.88 tonnes of CO₂e for the January to September period for 2021/2022. Between 2019 and 2021, there was savings of 32.45 tonnes CO₂e due to both the pandemic lock downs and our energy saving initiatives.





Sustainability Benefits

Environmental

- Potential long term greenhouse gas emission reduction by using energy & water efficient machinery.
- Reduction of pollution by substituting harsh, non-environmentally friendly cleaning materials with water and Odorbac tec.
- Reduced waste through recycling and reusing cleaning product containers
- Reduced fuel consumed on site to run vehicles and tools/machinery.
- Reduced vehicle exhaust emissions through use of an EV truck.
- Reduced Greenhouse Gas Emissions as a result of reduced energy consumption.

Economic

- Reduced energy costs long term.
- Reduced cleaning material costs by using a circular system for cleaning chemicals through reduced waste costs from the service.