



Environmental Performance Report

January to
December 2021

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Executive Summary

Over the past 21 years, JSM Group have made it their mission to deliver our renowned expertise within the utility and infrastructure industry in a manner that protects the environment. In this annual report, we want to take the opportunity to reflect upon a successful year of continued growth within the business and demonstrate our leadership and commitment in respecting and protecting our natural environment. Our objectives and targets set out in the 2020-2021 Report have been met which include improved reporting for waste, materials and business mileage, identifying energy saving opportunities and reducing our consumption of single use plastics. The results have shown that JSM Groups overall carbon footprint has increased during our reporting year of January 2021 to December 2021 to **12421 tonnes CO2e**, which is a 101% increase, in comparison to June 2020 to May 2021 which was **6149.65 tonnes**. The Performance Reporting Year has been bought into alignment with the JSM financial year (January to December).

The top three carbon contributors this year were material purchases, diesel usage and paper purchased. The Scope 1 figure has increased by 218.6 tCO2e compared to 2020 to 2021 due to the correction of gas purchases being included as part of Scope 1, rather than Scope 2 and due to increased company vehicle and red diesel fuel use. Company vehicle fuel use has shown a 3% increase on last year, likely to be contributed by an increase in project work at greater distances to the south east of England. Material purchases have impacted on the Scope 3 figure, with a 19% increase from previous year, this is due to improved quantity data received from the suppliers of steel, cable and plastic duct. Improved inclusion of waste data and expensed business mileage has been undertaken for the current assessment year. The Defra emission factor for paper, shows that this material is carbon intensive. JSM have the following paper use initiatives in place, to help minimise this impact; monitoring of printing via printer environmental impact summaries which are submitted monthly, minimised printing via fobbed printing rather than automatic print, default printer settings for double sided and black and white printing, use of Appcan, which is a data and reporting software package that is now used on all projects and which minimises the use of paper, efficient stationary orders, confirming supplies prior to placing orders. Scope 2 (purchased electricity) has increased by 16% from the previous reporting year due to easing of Covid-19 restrictions leading to increased return to the offices and an improvement of records of site electricity purchased.

Hotel nights have seen an increase, due to the easing of Covid-19 lockdowns. The increase in fuel usage correlates in the increase in our business operations and the overall energy demands of our operational depot. JSM's overall Scope 1 and 2 emissions have increased by 10.8% from the previous year, due to improved gas purchase reporting and company vehicle and red diesel fuel consumption. All emissions have been calculated using emission factors that are calculated by DEFRA, 2021.

A number of comparisons have been made with the previous year's figures which have stated that there will come a time in JSM's operations where the optimum efficiency will have been met due to the subsequent demand of materials with growth which inevitably increases CO2e emissions. Despite this anticipation, the forthcoming year will allow JSM to implement a Scope 1 and 2 energy saving plan to include a switch to a petrol hybrid company car fleet and to apply the use of renewable energy tariffs for our electricity and gas supplies for River Road operational depot and Head Office. Environmental opportunities also include an investigation into the procurement of more open/closed loop materials. JSM participate in the Supply Chain Sustainability School which provides us and our supply chain the resources needed to sustainably procure materials that enable the reduction of CO2e emissions from a Scope 3 perspective.

It was predicted that company emissions would have increased by 100-150 tCO2e to around 6299.65 tCO2e for this reporting year as we anticipated that business growth would result in increased CO2e emissions. The anticipated rise did occur which is a result of multiple factors such as reduced impact of Covid-19 compared to the previous two reporting years, increased project delivery and improvements in carbon data collections. With our turnover increasing by 5.89% and staff numbers increasing by 5.3% there is a subsequent correlation between an increase of business operations and the consumption of resources. There has been an overall 199% increase of overall carbon emissions from our business operations from a 2010-11 baseline. Our implementation of waste hierarchy principles (*Reduce, Reuse, Recycle*), have enabled the business to divert over 99% of waste to landfill as well as ensure that all materials are being used in a sustainable manner.

Greenhouse gases including Carbon Dioxide (CO2), Methane (CH4) and Nitrogen Dioxide (NO2) have all been calculated for this reporting year (where emissions factors are available). These additions will allow for comparisons in the coming reporting years.

JSM Key Numbers

199% Increase in our business Carbon Footprint from a 2010 baseline

3.6% Increase in Diesel Consumption

99% Diversion of Waste to Landfill

Introduction

Our Group is committed to minimising its environmental impacts by continuing to set aims, objectives and targets to improve our environmental performance. By incorporating environmental practices and performance is a key objective within the Groups corporate and business plan.

To limit the impact of climate change and Green House Gas (GHG) Emissions, JSM Group are committed to monitoring its carbon footprint and managing activities to best minimise environmental impact and have recorded data required to set benchmarks for improvement.

This report provides a summary of our environmental performance and carbon emissions analysis for the period between January to December 2021 and sets out targets for 2022.

Why?

“A Green Future: Our 25 Year Plan to Improve the Environment”

The UK government published last year a 25 Year Environmental Plan which sets out government action to help the natural world regain and retain good health. The plan sets out to improve air quality, provide clean and plentiful water, using resources from nature more sustainably and minimising waste to landfill.

“A Net-Zero Green House Gas target for 2050 would respond to the latest climate science and fully meet the UK’s obligations under the Paris Agreement”

As a business that has been operating in the UK for over 20 years, we understand the precedence in abiding by the governments ambitious targets in becoming a global leader in reducing greenhouse gas emissions and to deter the increase of global greenhouse gas emissions.

By measuring and reporting our environmental performance, it will benefit in lowering energy and resource costs, it provides a better understanding of the company’s exposure to the risks of climate change and we can demonstrate our leadership by taking on this responsibility.

This will help strengthen our green credentials in the marketplace and help our clients and communities to deliver their environmental expectations. Prior to the most recent government policies and new legislation, we have been capturing the factors that determine our environmental performance since 2011 and will continue to do so.

How?

By measuring a set of parameters that make up Scopes 1,2 and 3, this then forms the basis of our environmental KPIs which in turn, captures the link between environmental and financial performance.

Our carbon footprint assessment measured the Carbon and other Green House Gas (GHG) emissions generated by JSM Groups activities and this report will follow the internationally recognised standard on Greenhouse Gas Reporting, ISO-14064:2006.

All GHG emissions calculated are reported in in tonnes of CO2 equivalent (tCO2e) following recommended best practice and agreed formulae set out by DEFRA annual Emissions Factors UK 2021.

About JSM Group

JSM's reputation within the utilities industry for delivery has enabled us to secure main contractor status with a number of clients throughout the Fast Communications and Electricity Supply Infrastructure sectors.

Since inception in 1998, JSM has aspired to developing long term relationships with all clients. Together with the ethos of providing quality and competitively priced solutions, JSM have delivered a range of services within the power and communication networks across the UK.

Whilst our core operations cover London and the South East, recent years have seen the business successfully expand geographically to the South West, the Midlands, the North of the UK and Wales.

As our scope of projects range nationally, we recognise that almost everything we do at JSM affects the environment and the lives of people for whom we represent.

This recognition has not only met our legal and social responsibilities but to pursue in-house innovations such as our Non-Intrusive Cable Extraction equipment, NICE. JSM have also liaised with local wildlife trusts as well as the nationally recognised charity Keep Britain Tidy in a campaign to help remove litter from our public spaces.

Construction projects often involve removing decommissioned underground cables and tanks. This process can be time-consuming, dangerous and potentially cause spills and other harm to the environment.

In November 2017, JSM won three major environmental awards for best environmental practices. The first two awards JSM obtained were two Silver Green Apple Awards where we competed with over 500 other entries. The third award JSM received was for Best Sustainable Method at NJUG's Street Works UK Awards. NICE was also shortlisted in September 2020 for an Institute of Environmental Management and Assessment (IEMA) Sustainability Award in the Products, Services and Innovations category. The JSM One Planet Action Plan, Sustainability Strategy won a further bronze Green Apple Award in August 2021.

These accolades received for NICE and sustainable methods and our continuous commitment to serve our communities, demonstrate that JSM are serious about

mitigating and improving the operations that we conduct, as well as demonstrate our contribution to the utilities industry.



Our Environmental & Sustainability Policy

JSM Group have a current and up to date Environmental and Sustainability Policy Statement that applies to all directors and officers of the Company and all employees and subcontractors that work on behalf of JSM Group.

JSM Group recognises that protecting the environment is a critical issue and a key responsibility of the business and corporate community.

The company is committed to the achievement of sustainable business operations and the delivery of sustainable solutions and services. JSM Group also acknowledges that reducing unnecessary waste and minimising consumption of scarce resources is consistent with ongoing financial sustainability in terms of meeting the expectations of our customers, reducing costs and minimising risks.

JSM Groups environmental and sustainability policy statement outlines the principles that underpin JSM Group's commitment towards environmental sustainability. The full extent of the Environmental and Sustainability Policy Statement can be found on the JSM Website.

This annual report fulfils aspects of the policy by striving for continual improvement in our environmental performance.

The following principles underpin JSM Group's commitment towards environmental sustainability:

- Striving for continual improvement in our environmental performance in ways that are sustainable, practical, commercial, meaningful, cost-effective and innovative;
- Implementing an integrated management system and programs designed to foster environmental innovation, seeking to continually improve such programs and where applicable to utilise internal and independent performance audits to monitor the effectiveness of, and compliance with, such programs;

- Identifying and monitoring the environmental impacts of JSM Group's business activities, where possible by establishing measurable and achievable objectives and targets aimed at improving environmental sustainability;
- Regularly reviewing and reporting on our environmental management performance to allow a better understanding of, and reasonable transparency with regard to, environmental progress and performance;
- Creating, promoting and communicating an environmentally sustainable and responsible culture across the JSM Group;
- Complying with all applicable laws and regulatory requirements whilst aspiring to higher standards.
- Developing the knowledge and skills of our people and providing resources to facilitate the fulfilment of our environmental responsibilities and goals, including by fostering both accountability for, and recognition of, individual actions;
- Regularly consulting and communicating with staff on environmental matters;
- Seeking out partnerships, where practical and in line with business objectives, designed to achieve company objectives (environmental and otherwise) more effectively and efficiently;
- Where appropriate, seeking to positively influence key suppliers to improve their environmental performance and thereby minimise the lifecycle impacts of JSM Group's operations.
- Complying with all applicable laws and regulatory requirements whilst aspiring to higher standards.

Stuart Wiltshire.

Stuart Wiltshire
Managing Director

Our Aims, Objectives & Targets

The aims of JSM Group Environmental Management System (EMS) are to:

- Minimise and mitigate any negative impact the company activities have on the environment.
- Comply with environmental legislation and other relevant requirements.
- Produce an annual Environmental Performance Report.

JSM Group has identified high level objectives to enable us to meet the aims of the EMS:

- Minimise energy use by using energy efficiently.
- Full consideration of the principles of hierarchy of waste.
- Minimise waste going to landfill by reduction, re-use and recycling methods.
- Maximise re-use of excavated waste.
- Reduce carbon and all greenhouse gas emissions by increasing efficiency across Scopes 1, 2 and 3.
- Increase the use of sustainable sourced products by ensuring that environmental responsibility is a factor in material sourcing.

- The EMS has been reviewed for the period of this report against the aims and objectives and updated where appropriate to so to ensure the Environmental management system is current and robustness.

- This performance report also identifies areas of improvement and demonstrates the commitment to environmental best practise.

JSM Group has set itself the following targets which are:

- **Increase environmental & sustainability competency across the group.**

- Measure and review the delivery of Environmental Awareness to Project Managers, Site Supervisors and operatives.
- Liaise with Project/Site managers in procuring plant and materials that are more sustainable and have reduced carbon factors, e.g. Energy efficient welfare units and procuring close/open loop material sources.

- **Reduce Scope 1 and 2 carbon emissions**

- Investigate procuring renewable energy tariffs for head office (from April 2022). Already achieved for River Road depot.
- Targeted replacement of diesel company car fleet with Petrol Hybrid vehicles.
- Investigate the feasibility of installing electrical charging points at River Road depot which can accommodate future electric vehicles and also support the transition to low-carbon mobility.

- **Improving Asset & Resource Management**

- Continue to divert over 99% of waste from landfill
- Membership status of the Supply Chain Sustainability School achieved to demonstrate JSM's commitment in addressing sustainability throughout our supply chain.



Carbon

JSM has a mandatory duty to report its annual Greenhouse Gas Emissions (GHG) under the Companies Act 2006 (Strategic and Directors' Reports) Regulations 2013 and the Large and Medium-sized Companies and Groups (Accounts and Reports) Regulations 2008. This reporting monitors JSM's contribution of the government's aim to bring the UK's greenhouse gas emissions to net zero by 2050 – a target that is set in law.

JSM uses GHG emissions that are calculated and reported in tonnes of CO₂ (carbon dioxide) equivalent (tCO₂e), tonnes of CH₄ (Methane) and tonnes of N₂O (Nitrous Oxide) following recommended best practice and agreed formulae set out by DEFRA annual Emissions Factors UK 2021.

To report the greenhouse gas emissions associated with JSM Group's activities, we convert 'activity data' on a monthly basis such as distance travelled, litres of fuel used, or tonnes of waste disposed, into carbon emissions. Methane and Nitrous Oxide emissions are calculated where relevant and conversion factors are available. All emission factors calculated within this report are from DEFRA, who annually provide up to date values for UK companies for such conversions.

This report will be following the internationally recognised standard ISO 14064:2006 which requires organisations to report its carbon emissions in three scopes;



Scope 1

Direct Emissions: Emissions generated from Red Diesel and Company Vehicles and purchased gas – Red Diesel (Plant), Company Vehicles (Fuel Cards and monthly mileage logs) & purchased gas



Scope 2

Energy Indirect Emissions: Emissions generated from Purchased Electricity

- Purchased electricity



Scope 3

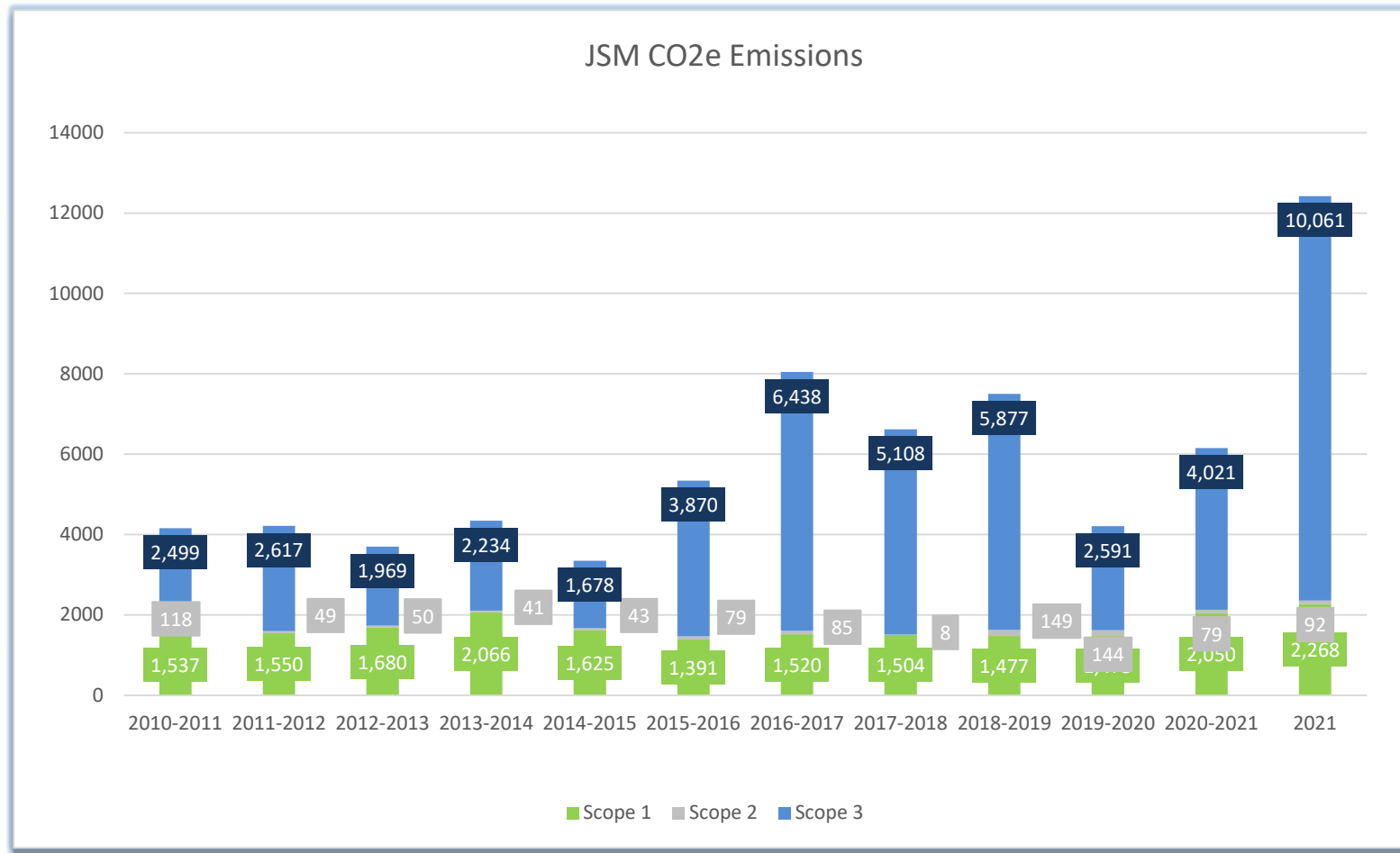
Other Indirect Emissions: Emissions which are consequences of an organisation's activities but arise from sources that are owned by third parties. – Materials, business journeys, commuting, waste, paper, number of hotel stays, water

Despite Scope 3 emissions being an optional reporting category, JSM feel that it will provide a better understanding of our wider impacts and provide opportunities to manage our activities and influence our supply chain to perform more sustainably.

Carbon continued...

Figure 1 below illustrates the Group's absolute CO₂e emissions in tonnes and in proportion of Scope 1, 2 and 3.

JSM GHG emissions for 2021 have increased by 6271.69 tonnes CO₂e to its emissions of 12421.34 tCO₂e.



Percentage difference June 2020 to May 2021 vs January to December 2021



10% rise

15% increase in red diesel use and an overall 3% increase in purchased fuel for company vehicles. Purchased gas from River Road depot and sites now included in Scope 1



16% increase

Increase in purchased electricity at our operational depot and Head Office. Improved records for site based purchased electricity.



150% increase. Improvements in recording material quantities (for plastic duct, steel and cable), waste reporting accuracy and water consumption. Hotel nights have seen an increase from the previous two years, due to the Covid-19 lockdown restrictions easing.

The business has identified opportunities for the procurement of more efficient vehicles for company cars which will play a role in the reduction of emissions for Scope 1 for future years. From 1st April 2022, businesses that currently use rebated (red) diesel and biofuels will no longer be allowed to do so. By that date, JSM will need to switch to use of white diesel or biofuels, which carry the full rate of duty.

Purchased electricity from River Road depot has been updated to a renewable energy tariff (4 year contract from Jan 2022 to Jan 2026).

Scope 3 for this reporting year has seen an increase in comparison to 2020-2021 by 6040.23 tCO₂e. This increase is primarily due to improved material data, received from suppliers (particularly for steel, cable and plastic duct) and improved waste reporting and improved water consumption data. Improved subcontractor material reporting has been included for the reporting year, via the QS team. This finding is partially due to the inclusion of long haul flights, which were not undertaken for the previous two years due to Covid-19 travel restrictions. The reporting years long haul flights contribute approximately 10,000 airmiles or 1.48 tCO₂e per year. Paper usage has remained consistent and hotel nights have increased by 32% from the previous year. Improved business mileage via expenses have been undertaken for the reporting year contribute to Scope 3 results. Commuting miles have increased by 101 tCO₂e from the previous year, due to gradually increasing staff numbers within the offices due to Covid-19 restrictions easing over the reporting year.

Scope Emissions Breakdown

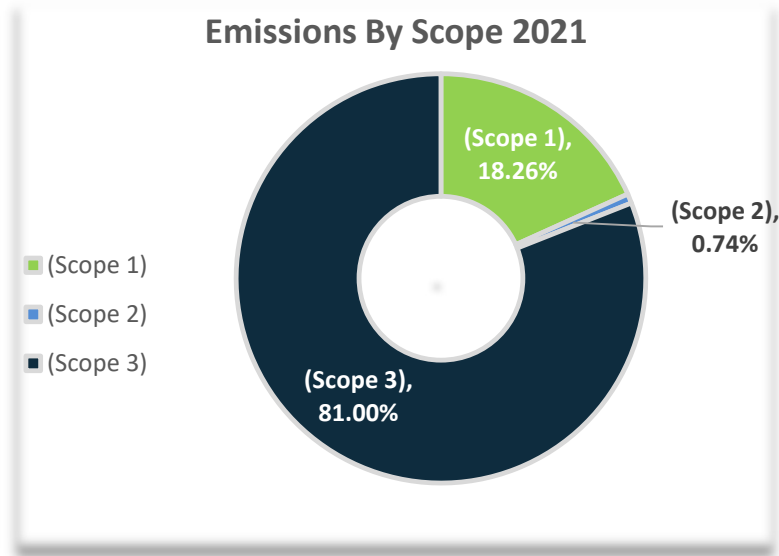


Figure 2: Emissions by Scope 2021

Figure 2 summarises the emissions by scope that has contributed to the JSM overall emissions and Table 1, provides a breakdown of factors that contribute to emission outputs for the following Scopes.

The data has been segregated to demonstrate how JSM are performing since carbon reporting began (2010/2011), last year's figures (June 2020-May 2021) and presenting the current figures for this reporting year (2021).

For 2021, Scope 1 has contributed to 18.26% of overall emissions with Scope 2 contributing 0.74% and finally Scope 3 emissions, which contributed to 81%.

Table 2: Units by Scope, comparison to previous years

Scope 1 Breakdown	2010-2011	2020-2021 (June to May)	2021
Red Diesel (Litres)	166,651	59,220	68,311
Company Fuel Cards (Litres)	320,258	762,566	787,078
Gas Purchased (kWh)	N/A	17,820	677,949
Scope 2 Breakdown			
Electricity Purchased (kWh)	82,034	371,281	431,849
Scope 3 Breakdown			
Materials Total: Aggregates, Tarmac, Bricks, Concrete (Tonnes)	22,332	30,166	44,322 (includes steel, plastic duct and cable)
Business Journeys (Miles)	243,120	175,680	235,589
Commuting (Miles)	490,490	56,540	407,088
Office Waste Production (Tonnes)	328	469	202
Paper (kg)	522	526	526
Hotel (Nights)	495	827	1095

Scope Emissions Analysis

Scope 1 Analysis

For this reporting year, we have seen a 3% increase in fuel consumption from company fuel cards compared to last year's reporting figure. All company vehicles use dedicated fuel cards which collect information on fuel consumption and are used by the fleet of Diesel HGVs and company car vehicles which are petrol or diesel.

Our vehicle fleet is predominantly diesel however we have revised our company car fleet to comply with tighter emission controls by leasing vehicles that emit less than 120 g/km CO₂ emissions.

Increased efficiencies of vehicles in circulation have been undertaken, as well as a change in emission factors that was published by DEFRA. The baseline figure for fuel consumption is higher compared to this year's figure, the business has seen an influx of work as well as a 5% increase in staff numbers.

Red diesel is used in JSM construction vehicles that are not subject to taxes for on road applications. This will change from April 2022. Looking at this year's figure in comparison to 2020-2021, red diesel consumption has increased by 15% but is no longer JSM's 3rd largest contribution of total emissions at present. This increase is predominantly down to an increase in projects / operational activities.

Although the current figure for this reporting year is higher in comparison to 2010-2011 figures, JSM have set a target to raise awareness in alternate technologies such as procuring more fuel-efficient plant and generators which incorporate renewable energy. This would reduce consumption per machine unit, as well as save money on the purchase of diesel. Although this may still be difficult to attain, depending on the nature of future projects and the number of projects that could arise.

Scope 2 Analysis

Electricity purchased has seen an increase of 16% compared to the 2020-2021 figure. The figures produced are from our operational offices at Potters Bar and Barking and improvement have been made in inclusion of purchased electricity from sites. The electricity purchased at Potters Bar has increased by 33% in this reporting year in comparison to last year which is attributed to covid-19 staff restrictions heavily impacting the previous reporting year. The following year will enable JSM to actively seek renewable energy tariffs for Potters Bar (already in place at our operational depot at Barking).

Scope 2 electricity usage increased by 12.86 tonnes CO₂e from previous year to 2021 primarily due to increased energy use at Head Office and Depot offices (due to easing of covid-19 restrictions) and enhanced reporting of site electricity purchased.

JSM will conduct research in the year forward to investigate measures to reduce our Scope 1 and 2 emissions. The deployment of new energy efficient technologies as well as researching viable methods in supporting low-carbon mobility throughout our operational locations will enable the business to build the foundations of decarbonising our fleet.

Scope 3

Scope 3 Analysis

Materials purchased have increased due to improved collation of material quantity data for plastic duct, cable and steel. Cement, concrete, plastic duct, steel and cable all have higher emission factors in comparison to other purchased materials such as sand and stone. The nature of JSM's work involves energy intensive civil works. As a company JSM are largely bound to using the materials required by our clients to carry out the jobs safely and to a high standard. Therefore, the input of CO₂e from materials is largely out of company control but can heavily impact upon company carbon footprint.

Scope Summary

Top 3 Emission Contributors

1. 75.64% Materials

2. 13.91% Company Vehicles - Diesel

3. 3.13% Paper purchased

The influx of work and the nature of our industry stipulates the materials in which we have to utilise in order to provide a safe and reliable product for our clients. Cement, plastic duct, steel and cable have some of the highest emission factors from a Scope 3 perspective, which is why with the future growth of the business, it is important to promote sustainable resource use during project operations and to engage with our clients and supply chain to find alternative methods in reducing the use of resources that require a vast amount of energy to produce. JSM will abide by the Supply Chain Sustainability School principles in attaining and promoting further innovative skills within the markets in which we serve. This will assist senior management and our procurement team in making sustainable decisions when conducting our operations.

The 3% increase in overall fuel consumption and the 15% increase in red diesel consumption has seen company vehicles make up just over 15% of our overall emission contributions for this reporting year. JSM are renowned for their expertise and quality of service within the industry which means that in the future, it will be difficult to anticipate and set targets to reduce the contribution of greenhouse gases from our company fleet if we are required to work further from our operational locations which reside predominantly within the South East. However, JSM have environmental objectives for 2022 to research into the viability and practicality of shifting from vehicles that rely upon combustion technology solely to vehicles that incorporate alternative technologies which produce less CO₂.

Electricity purchased has seen an increase in this annual report due to covid-19 restrictions easing and improved inclusion of site purchased electricity. The switch to a renewable energy tariff at the River Road operational depot is a positive step and it demonstrates that our environmental management principles are working and can be implemented into further energy saving opportunities at our Head Office in Potters Bar.

Commuting miles have increased by 101 tCO₂e from the previous year, due to gradually increasing staff numbers within the offices due to Covid-19 restrictions easing over the reporting year, expensed mileage contributions and increased number of projects / operational activities. This is closely related to the number of full-time employees (FTE) and the company growth. There has been an average total of 229 directly employed staff within this reporting year which is a 5.3% increase in comparison to last year's figures. The average emissions of each employee contribute to 54.24tCO₂e per year. When normalised against company turnover for the reporting year, emission versus turnover contributes 149.65tCO₂e per million pounds earned.

Waste Reduction

“99% Diversion from Landfill!”

By working closely with our waste contractors, improving internal communication and focusing on our waste hierarchy procedures, JSM has managed to divert just over 99% of waste from landfill, which provides a benchmark to attain which also demonstrates significant steps of implementing and achieving zero waste to landfill.

Over 99% of the 32,700 tonnes of waste has been reused, recycled or utilised for energy production from our offices located at Potters Bar and Barking. The carbon emissions amounted from this is **83.97 tonnes of CO₂e** which in comparison to disposing to landfill, would have amounted to 696.30 tonnes of CO₂e being emitted.

A large proportion of JSM Groups waste arisings will go from construction sites into an approved waste treatment facility whereby materials excavated can be screened and re-treated for reuse in future construction projects.

This year has seen **32,693 tonnes** of waste arisings being diverted from landfill and based upon reports from our waste contractors, over 99% of waste arisings have been reprocessed for re-use in the industry, which based on DEFRA emission factors, will have saved JSM up to 696.30 tonnes of CO₂e being contributed to our Scope 3 emissions. This has also provided a better financial opportunity for JSM as well as promote a more circular-economy within the industry.

The generation of hazardous waste across JSM is generally limited to plant maintenance items such as used oils, filters and other components are subject to our waste hierarchy principles however materials such as asbestos and invasive species do have stringent methods in safe disposal. JSM provides training for operatives to identify all materials that have the potential to be hazardous and provide the right guidance in handling and safely disposing of any hazardous material.

Reducing Single Use Plastic from Offices in 2020

Single-use plastics are the largest cause of ocean plastic pollution, an increasingly devastating problem for the health of our environment and our society.

We at JSM have now reviewed all our office assets and have identified opportunities to reduce the procurement of single-use plastics. JSM have already deployed reusable drinking bottles to site operatives and have installed mains water systems to reduce dependency on plastic bottles.

A procedure has been developed to ensure that circular economy principles such as the elimination of single-use plastic waste and the use of alternative resources are considered for office supplies.

Transport & Plant

JSM operates its own fleet of haulage vehicles and vans to ensure high safety standards are met, as well as serve and deliver our operations to maximum efficiency. Our fleet of vehicles consequently, has a significant impact on the business's GHG emissions.

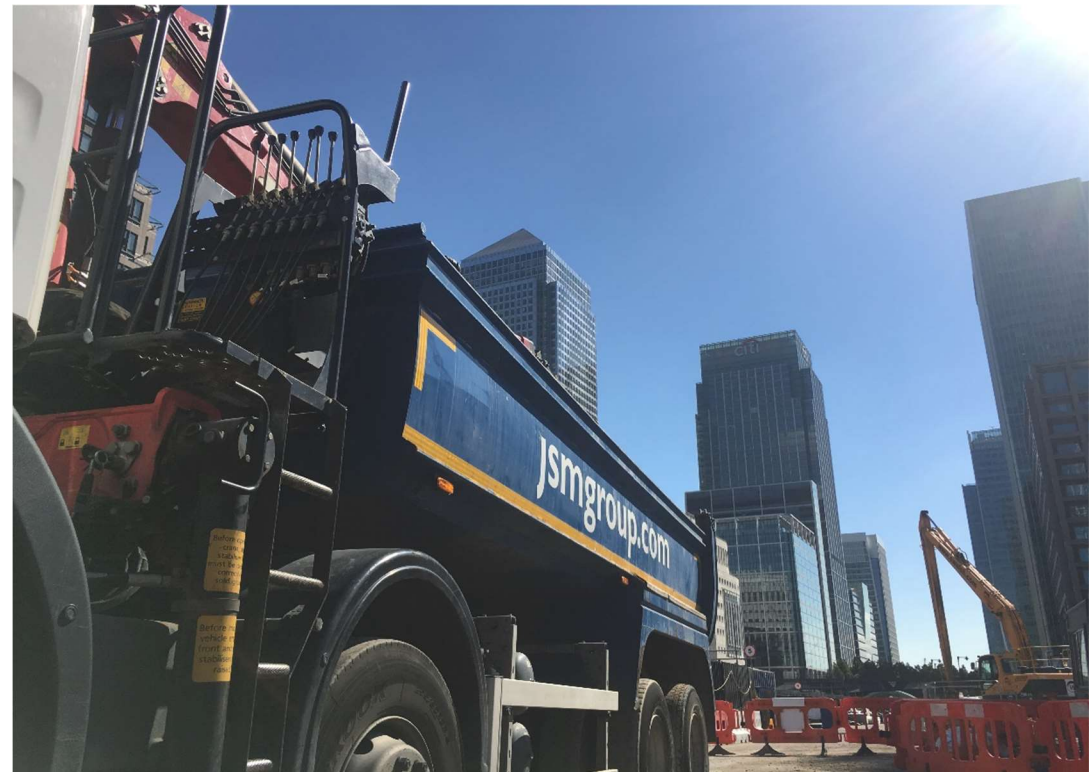
In order to manage our potential impact and to ensure that our fleet of vehicles are optimised for efficiency, all our vehicles have trackers installed to monitor for any inappropriate use. We have also modernised our company car fleet so that the leasing vehicles offered emit under 120g/km CO2 emissions and also use petrol/hybrid technologies to further reduce our Scope 2 emissions. All JSM employees who operate our vehicles also have a dedicated fuel card which enables us to collate fuel usage from each individual.

With the new Ultra-Low Emissions Zone (ULEZ) that has been rolled out in London on April 8th, 2019. JSM have already modernised its fleet to comply and meet the Euro 6 emissions standards that are required for the ULEZ. We are also a voluntary member of the Fleet Operator Recognition Scheme (FORS) that enables JSM to continually manage our performance and continue to improve road safety and reducing emissions.

The opportunities of efficiency don't only reside on our operational vehicles but opportunities in improving our emissions can also be found in our plant vehicles. For the operations of depot based in London, the depot has procured lifting-plant that is electrically powered which has saved a further 10% of CO2 savings in comparison to diesel operated lifting plant.

The procurement of this form of technology will help reduce emissions from plant machinery and will also play a role in reducing the overall consumption of red diesel.

JSM will also be investigating the feasibility of installing electrical re-charging points at strategic operational sites which can accommodate future electric vehicles and also aid in supporting the transition to low-carbon mobility.



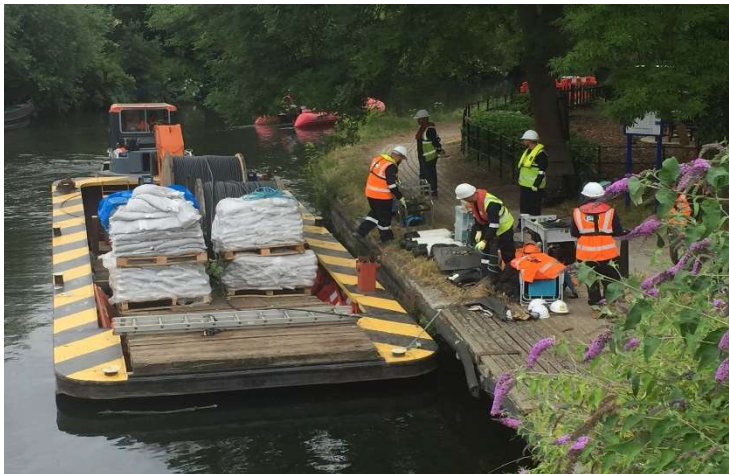
Suppliers & Contractors

The business has an effective Procurement Policy in place which provides a framework which all employees engaged in procurement activities are expected to operate.

It contains a clear statement regarding JSM's commitment to responsible sourcing and guidance on how to source products, where possible in an environmentally responsible way.

Sustainable source materials are sought wherever possible for our installations. We evaluate and select manufacturers and suppliers that operate to recognised standards supported by demonstrated sustainability through the use of certified timber/paper sources, recycled materials, credible recyclable routes for end of life products and the constant strive towards more environmentally friendly materials by avoidance of VOC's, CFC's and chlorinated products throughout the supply chain.

JSM will continue to work with our key suppliers to ensure they have appropriate management systems to minimise risk and environmental impacts in place. Where significant risk is identified with a supplier, a rigorous audit will be carried out.



Compliance with Regulation and Standards

JSM understands that to be recognised as an organisation that is operating in a legal, effective, economic, environmentally and socially responsible manner, compliant with the recognised standards of sustainable development and key stakeholder requirements.

Although there is no current formal legislation in place to force business to become more sustainable, there are a number of voluntary codes in place such as:

- ISO 14001:2015 – Environmental Management Systems
- BS 8900 – Guidance to Managing Sustainable Development
- ISO 50001 and EN16001– Energy Management Systems
- ISO 14065 – Greenhouse Gases
- BS ISO 10001 - Quality Management and Customer Satisfaction

During this review period, JSM have retained the latest ISO 14001:2015 certification and there have been no significant environmental incidents, emissions, spillages, releases or activation of the Environmental Emergency Action Plans have occurred during the review period at any JSM Group operating centre or worksites.

No environmental non-conformances have been raised. The Group have incurred no enforcement action or improvement notices from the Environment Agency or by local authorities.

Environmental Awareness & Training

JSM recognises the need to raise the environmental awareness and competencies of its employees.

As a business, we feel it's essential to provide any JSM employee or subcontracted individual that is working on our behalf, must adhere to our policies prior to commencing any work. Our induction covers key environmental aspects of the business such as:

- **Carbon Footprint** – Reiterating the businesses need to recognise and publish its carbon footprint and the measures in which to reduce it
- **Trees, NJUG 4** – A policy produced by the National Joint Utilities Group ensuring works carried out near trees will not cause damage
- **Noise Nuisance** – Highlighting noise pollution and the procedures to avoid complaints and nuisances
- **Fuel Storage / Refuelling** – An emphasis on not refuelling anywhere near a water course or effluent point (drainage)
- **Spill Response & Control** – Providing an action plan and response in the event of a spill
- **Waste Hierarchy** – The necessity of correct disposal of hazardous and non-hazardous waste (Reduce, Reuse, Recycle, Recovery)

The SHEQ team also conducts briefings and meetings on sites to promote and communicate best practices in relation to environmental management. An example of this is the new Waste Note Briefing which provides all our HGV drivers with clear and concise information on completing a waste transfer note compliantly.

JSMs Project managers and Site managers play a crucial role in ensuring business success as well as meet their environmental responsibilities. Leadership by top management plays a pivotal role in ensuring environmental governance and systems are maintained. JSM will be continuously improving the current Environmental Awareness training that enables all staff and contractors to perform their duties in an environmentally responsible manner.



Sustainability & CSR

The definition of sustainability has grown from simply preserving the environment, to a model of corporate responsibility that measures the Company's impact on the local and global community and sets strategies to lessen this effect, in the process, building up a model of corporate good behaviour.

The over-arching subject of sustainability is supported by the three strategic influences of Environmental, Ethical and Economic performance.

JSM is an active member of the Institute of Environmental Management and Assessment (IEMA) and we annually report our carbon performance to our clients through the Carbon Disclosure Project (CDP) to provide transparency of JSMs GHG emissions and its objectives and targets.

We recognise that good corporate social responsibility (CSR) embraces all aspects of sustainable development and the way we affect people through our business operations. We at JSM want to continue to support our local communities' environments and enhance them to show our gratitude and our commitment to the wider community.

Case Study: Keep Britain Tidy, The Great Spring Clean

In June 2021, JSM participated in the annual Great British Spring Clean in an effort to help clean up the local community of Potters Bar.

On 28th June a group of staff volunteered to roll up their sleeves and participate in gathering litter from our precious public space, local to the Potters Bar Head Office. Local green space, King George V Recreation Ground tends to suffer from littering issues which generates a vast number of nuisances to our wildlife, local authorities and general public.

JSM were proud to contribute to the nationally successful campaign, which saw a total of 4,308 tonnes of rubbish collected and disposed of in a compliant manor which also saw JSM get acknowledged by Keep Britain Tidy, Hertfordshire Council for our volunteering efforts.



Biodiversity & Land Management

The Group's biodiversity approach is to focus on maintaining legal compliance and be receptive to opportunities that arise to work collaboratively with all interested parties on projects within or in close proximity to our operations. All works carried out by JSM undergo vigorous research and planning to deliver to our client's satisfaction, without having a negative impact on our environment. JSM only acquires professional ecologists and accredited consultants that have helped us deliver challenging projects.

Case Study: KAO Park – River Lee Canal

JSM was chosen to deliver a new Telecoms network for the Kao Park Business Park in Harlow. On this 100km project, that ran from Chipping Ongar, Essex to Hackney, London, JSM fulfilled the duties of fibre installation, surveys, redesign, construction, splicing and testing. The route navigated through various environments such as tow paths, canal beds, marsh lands and carriageways which presented numerous environmental challenges.

The cable route ran through a lengthy distance of the River Lee Canal tow path which included the area of Silvermeade in Broxbourne. Silvermeade is a common place for sightings of Water Voles which are highly endangered protected species. JSM made sure that a comprehensive ecology walkover survey was conducted prior to the commencement of works which highlighted their presence with 19 burrows and also latrines in 28 locations.

JSM held a consultation with Lee Valley Park Authority and Natural England where it was agreed that JSM could proceed with the works provided that JSM hand dug the trenches under the supervision of two independent ecologists who would look out for wildlife and burrows evidence near the trenches. In addition to this environmental hurdle, approximately 200m south from Silvermeade (along the same tow path) was the presence of Himalayan Balsam. JSM followed Environment Agency approved protocol to ensure that this flora was not disturbed. JSM also had to conduct operations within Walthamstow Marshes which is a SSSI area (Site of Special Scientific Interest). We created a tailored methodology that was approved by Natural England and park authorities which included methods such as trenches being covered every night to prevent wildlife from becoming trapped, proactive monitoring to ensure noise and dust generation is limited, operatives to receive tailored Pollution Control training prior to work commencing and site specific environmental briefing for operatives stating the moral and legal responsibilities of the project at hand.



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JSM Carbon Emissions Excel Spreadsheet: [S:\Environment Info\Carbon Clear](#)

All information disclosed within this report is factual at the time of producing. The information provided has been verified and checked by our accreditors. All data has been investigated to ensure the identification of anomalies and to ensure that the data presented is consistent.



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