ENERGY PROFILE

AUSTRALIA 2022/2023 UPDATE

ALSCO UNIFORMS™ FRESH & CLEAN

CONTENTS

MARK ROBERTS

Group Chief Executive

Foreword

In 2021, Alsco Uniforms set itself some bold goals to sharpen our commitment and focus on sustainability. With the support from shareholders and our senior management team we have been able to better engage our people in terms of progressing initiatives that are better for the planet, our people, and our communities.

Alsco Uniforms set an ambitious target to increase energy, water, and carbon efficiency by 20% by 2030, and I'm delighted to report that we're on track to eclipse that goal. This target reflects our commitment to the environment and is testament to our management determination to drive sustainable practices, and also demonstrates our shareholders' willingness to invest in a better future.

In a world where energy costs continue to escalate, our focus on investment in energy efficiency has sharpened.

We're actively seeking innovative solutions to meet our targets, and I'm confident that we will not only reach our targets by 2030 - we will surpass them.

One of the highlights of the past year has been the expansion of the Energy and Utilities manager role in the Asia-Pacific region. This move has not only accelerated our carbon reduction plans but also elevated the importance of energy management within our business. The value derived from this appointment is evident and we continue to prioritise initiatives that are derived from this work program.

Conducting energy audits and assessing sustainability's implications on our expenditures are essential steps in our journey towards a more sustainable future. This commitment extends to waste reduction and our goal to generate net-zero waste by 2030.

Alsco Uniforms investment in solar installations and electric vehicles demonstrates that we are committed to a future that is reliant on cleaner energy sources. We've taken measured steps in these areas that are integral to our broader strategy of reducing our carbon footprint and making a meaningful contribution that assists mitigate the impacts of climate change.

Reflecting on global trends, it's clear that governments in Europe and New Zealand are providing substantial support to businesses in their decarbonisation efforts. In Australia, we face unique challenges, but I believe we will start to see similar support structures to expedite our progress. The transition away from fossil fuels requires a coordinated effort, and governments must play a pivotal role in facilitating this transition.

The volatility in utility prices underscores the critical importance of energy efficiency in our business. The environmental perspective coupled with soaring energy costs are two compelling reasons to accelerate energy efficiency and decarbonisation.

In closing, I want to leave you with a message of hope and responsibility. The climate change challenge can seem insurmountable, but each of us can make a difference. Every small action contributes to a collective effort that can bring about significant change. As leaders and individuals, let's embrace this responsibility and steer our world toward a more sustainable and prosperous future.

FRED GARDYNE

General Manager (Engineering & Production)

Update

Alsco Uniforms is committed to reducing its environmental impact and has set a goal to increase its energy, water, and carbon efficiency by 20%, by 2030. We believe this is an achievable goal and that we are well on our way to achieving it with the increased focus and resources in our engineering team.

The entire engineering team has an increased focus on energy efficiency and carbon mitigation, as well as the wider sustainability work program. Our teams were previously focused on reactive maintenance, but this is shifting to a preventative maintenance model where we are thinking well ahead and developing long-term solutions.

In the past year, we have made significant progress towards our collective sustainability goals. We have developed the High-Temperature Heat Pump solution at our Clean Room Garments (CRG) facility, which is a more energy-efficient avenue to generate hot water than steam generation. It uses wastewater as a heat sink, reducing the temperature of our outgoing water and the impact on the environment.

We have also installed solar panels at our Melbourne facility. The 260kW system was commissioned in March 2023 and will not only generate clear green electricity for the plant but also for the new Metricon garment handling system and electric vehicle.

We have also started work on developing modular heat recovery and hot water generation systems with our suppliers, with trials to be rolled on in the next year. These projects are expected to save us significant energy costs over the next few years while reducing emissions.

We are also upgrading our boilers to more efficient models. The scoping of a new boiler in Alexandria is a direct change in approach resulting from our learnings from the UK study tour last year. This has given us a framework for boiler replacements, ensuring we are focusing on design, sizing the boiler correctly and fitting it with economisers. We are proceeding with boiler replacements where the preferred boiler is a 3-pass wetback horizontal fire tube boiler.

We believe that energy efficiency is critical to our business. The cost of energy is increasing and becoming more volatile, so it is important for us to control our energy consumption. We are also committed to reducing our carbon emissions and doing our part to combat climate change.

In this approach and on our collective journeys, the government should provide support to businesses that are decarbonising their operations. This support could take the form of financial incentives, tax breaks, or regulatory changes. We believe that such support would help us to accelerate our progress towards our energy efficiency and carbon reduction goals.

We are confident that we can achieve our goal of increasing our energy, water, and carbon efficiency by 2030. We are committed to continuous improvement, and we will continue to invest in energy efficiency initiatives.

We believe that everyone has a role to play in reducing our environmental impact. We encourage our customers, employees, and suppliers to join us in this effort.

HARIS MURTAZA

Energy & Utilities Manager

Update

This energy profile represents a crucial tool for our organisational operations, enabling them to gain a comprehensive understanding of their energy consumption and carbon footprint. The ultimate goal is to provide a framework for benchmarking and driving projects aimed at reducing emissions. This initiative aligns closely with our broader Energy and Carbon Efficiency Framework, which is structured around five primary objectives.

1. Goal Setting: We have set our Big, Bold Goals that are found not only at the start of this report, but also around our branches and operations. It gives us a clear focus as to what drives our engagement in this space and what we measure our progress and success against.

2. Baseline Establishment and Reporting Strategy: The next component of our framework involves setting a baseline and establishing a robust strategy for measuring and reporting on our energy consumption and associated emissions. To make informed decisions and measure progress effectively, it is imperative to have a clear starting point. We have made significant strides in achieving this goal, with reductions observed since the 2018/2019 baseline. However, it is essential to acknowledge that there is still significant progress to be made. This report represents a model to report on progress with baseline measures and metrics.

3. Energy & Carbon Reduction. Opportunities Assessment/ Identification: The key element of our framework hinges on the insights derived from energy audits. We are leveraging these findings to identify and implement energy-efficient projects. By comparing the outcomes of these projects to previous benchmarks and metrics, we can gauge the success of our efforts in reducing energy consumption and emissions. This systematic approach ensures that our actions are data-driven and aligned with our overarching sustainability goals.

4. Project Delivery: Consistent with the findings of our energy audits and opportunities assessment, 2024 is poised to be the year of project delivery and innovation. We are actively pursuing various initiatives, including the deployment of solar energy systems, a concerted effort to enhance boiler efficiency and trials of high temperature heat pump technology. These projects are integral to our commitment to sustainability and will contribute significantly to our carbon reduction goals.

5. Energy Reporting and Comparison under the International Performance Measurement and Verification Protocol (IPMVP®): Our entire framework relies on accurately reporting our continuous energy and carbon savings in a format and methodology that is consistent with the IPMVP® framework.

As we progress through the year, we eagerly anticipate the opportunity to share project updates, case studies, and the overall progress of Alsco Uniforms. The efforts put into these projects will not only benefit our operations but will also serve as a testament to our commitment to reducing our carbon footprint and embracing sustainable energy practices.

Our energy and carbon efficiency frameworks are driving tangible progress, and while we have already achieved some reductions, our journey is far from complete. Through data-driven decision-making, energy audits, and strategic projects, we are forging ahead on the path towards a greener and more sustainable future. The year 2024 promises to be a pivotal one, and we are excited to share our successes and experiences with all stakeholders.

2030 BIG, BOLD MEANINGFUL GOALS

ZERO WASTE

NET ZERO WASTE

WATER & ENERGY REDUCTION

IMPROVE ENERGY, CARBON, & WATER EFFICIENCY BY 20%

OUR PEOPLE OUR COMMUNITY

INVEST $8M IN OUR STAFF & COMMUNITY

ETHICAL SOURCING

100% ETHICAL SUPPLY PARTNERS

25th October 2023,

Haris Murtaza
Support Office
Alsco Australia
Level 8, 465 Victoria Avenue
Chatswood, NSW, 2067

ALSCO AUSTRALIA ENERGY PROFILE
Energy Monitoring and Verification Methodology – Peer Review

To Haris,

DETA Consulting has been engaged by Alsco Australia to peer review the energy monitoring and verification process to provide confidence to internal and external stakeholders that the methodology employed is undertaken in accordance with best practice.

I can confirm that the methodology has been reviewed and is collected, calculated and interpreted in accordance with the principles of the International Measurement and Verification Protocol (IPMVP) framework. In my view, stakeholders should have high confidence that the data and information presented is of high accuracy and analysis is performed with care and diligence.

In our capacity as Peer Reviewer, DETA will continue to be available to Alsco Australia and their stakeholders to provide additional advice and support in relation to the measurement, interpretation and assessment of the data collected.

I trust this letter provides the information and confidence you require. If you have any further questions or would like to discuss the peer review process in more detail, please contact me.

Yours sincerely,

jonathan pooch

Jonathan Pooch
Certified Measurement and Verification Professional (AEE Cert ID 3494)
Managing Director
DETA Consulting Ltd
Jonathan.pooch@deta.co.nz

Methodology

This report covers the carbon and energy profile for Alsco Uniforms for 2022/2023. This profile ascertains all the energy and carbon linkages between the company's value chain and compares it with the companies baseline as well as previous year energy consumption and carbon emittance.

Scope 1, 2 and 3 emissions can be difficult to understand and quantify. Scope 1 covers direct emissions from owned or controlled sources. These would include all process heat and transportation operations such as our boilers and vehicles. Scope 2 covers indirect emissions from the generation of purchased electricity, steam, heating, and cooling consumed by Alsco Uniforms. Scope 3 includes all other indirect emissions that occur in a company's value chain. The common guidelines around the quantification of carbon and energy into their respective scopes are highlighted below.

Scope 1
Direct Emissions

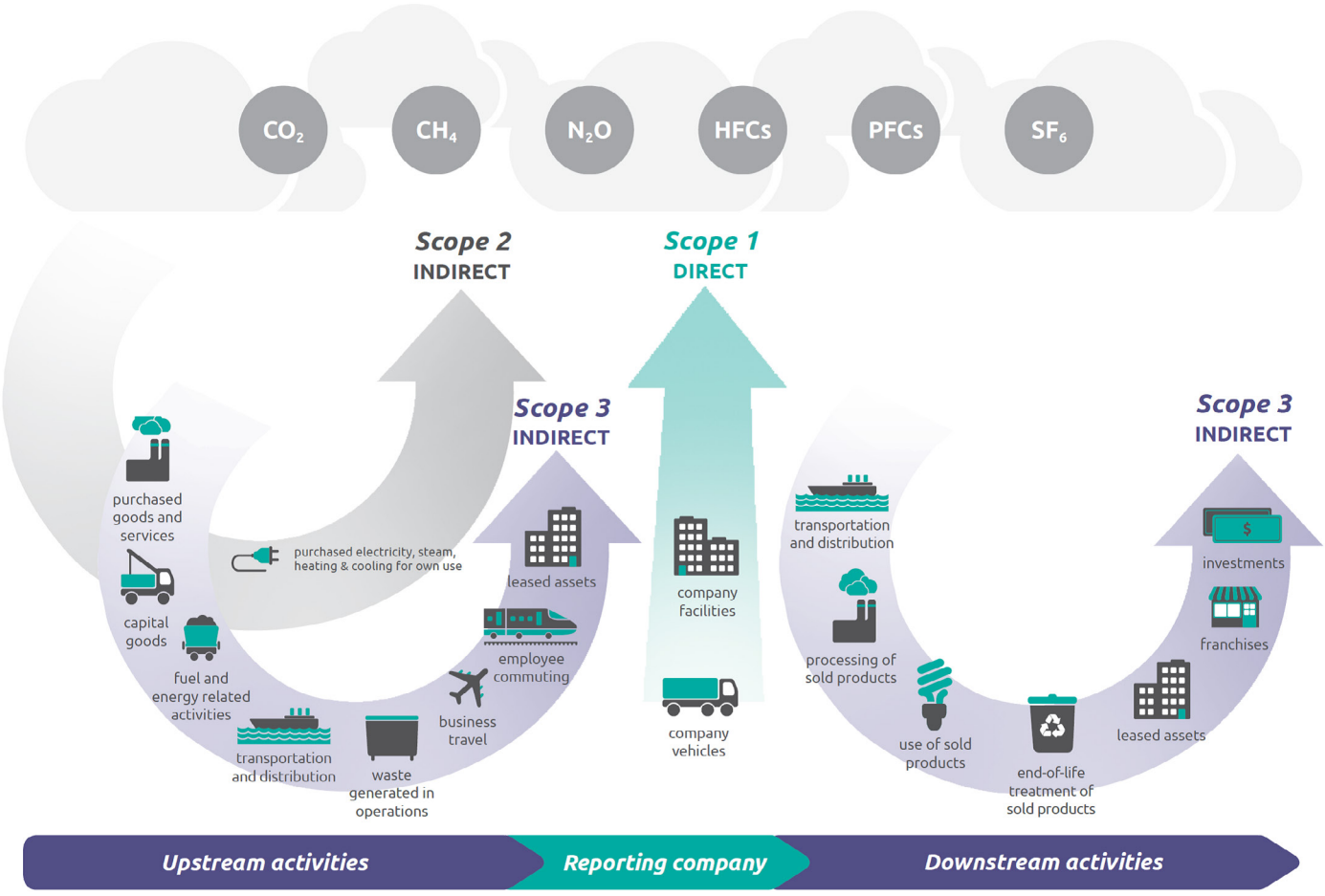
- Stationary Energy (Fuel combustion)
- Company Fleet
- Fugitive Emissions

Scope 2
Indirect Emissions

- Purchased Energy (electricity, heat, and steam)

Scope 3
Other Emissions

- Purchased goods and services
- Business travel
- Employee commuting
- Waste disposal
- Use of sold products
- Transportation and distribution (up and downstream)
- Investments
- Leased assets and franchises



Conversion Factors

Energy Source	Original Unit	Unit Conversion
Electricity / Energy	Watt	1000 Watt = 1 Kilowatt
	Kilowatt	1000 Kilowatt = 1 Megawatt
	Megawatt	1000 Megawatt = 1 Gigawatt
Gas / LPG	Litre	1 Litre = 0.026 Gigajoule
	Gigajoule	1 Gigajoule = 277.778 Kilowatts
Diesel	Litres	1 Litre = 10.63 kWh of energy
Petrol	Litres	1 Litre = 9.7 kWh of energy

Efficiency Metrics

ENERGY kWh / KG of Laundry processed

CARBON CO_2 / KG of Laundry processed

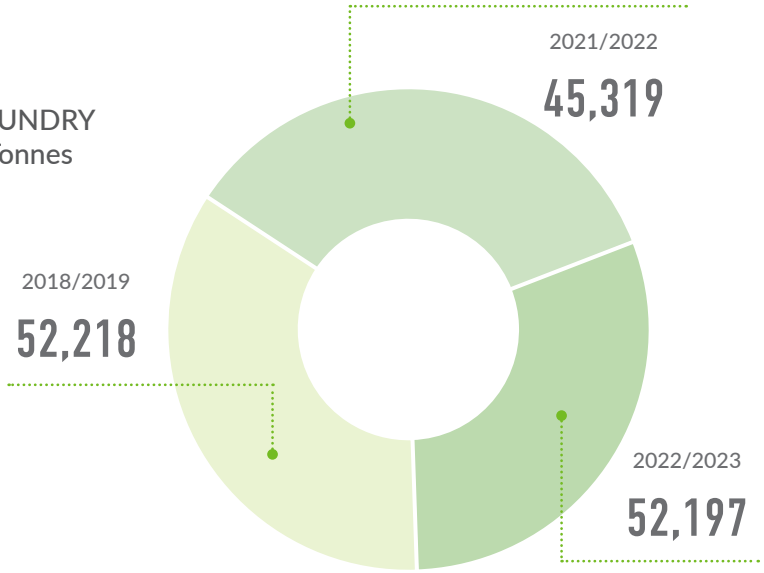
WATER L / KG of Laundry processed

ENERGY PROFILE

Branch Overall Data

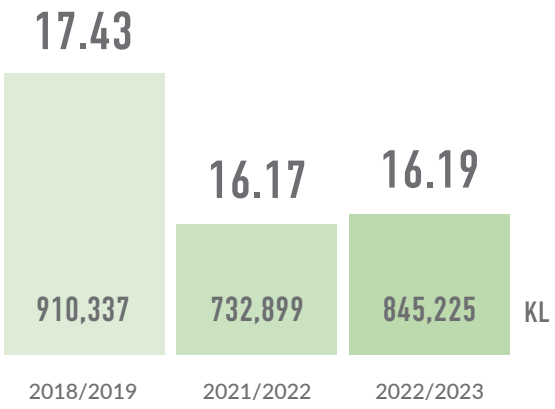
	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
ENERGY kWh/KG	2.221	2.112	2.037	-3.6% ↓	-8.3% ↓
CARBON CO2/KG	0.573	0.533	0.502	-5.9% ↓	-12.5% ↓
ENERGY GWh	115.961	95.735	106.302	11.0% ↑	-8.3% ↓
CARBON tCO2e	29,934	24,148	26,183	8.4% ↑	-12.5% ↓

LAUNDRY
Tonnes



22/23 vs 21/22	22/23 vs 18/19
15.2% ↑	0.0% -

WATER
L/KG



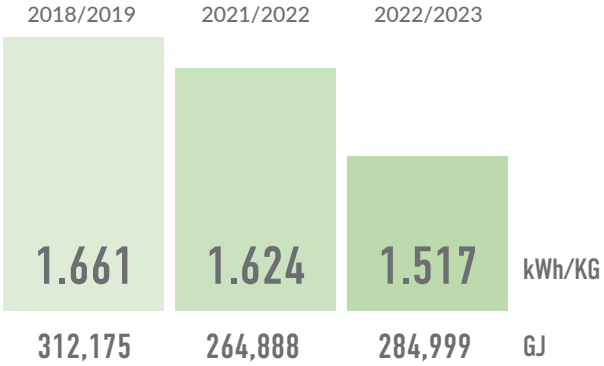
22/23 vs 21/22	22/23 vs 18/19
0.1% ↑	-7.1% ↓

Energy Comparisons

GAS

% of Energy

74.5%

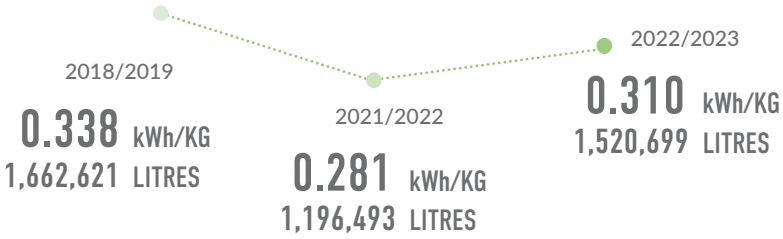


22/23 vs 21/22	22/23 vs 18/19
-6.6% ↓	-8.7% ↓

DIESEL

% of Energy

15.2%



22/23 vs 21/22	22/23 vs 18/19
10.4% ↑	-8.5% ↓

ELECTRICITY

% of Energy

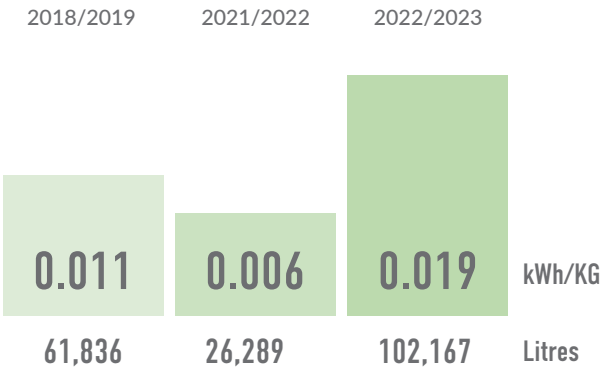
9.4%

22/23 vs 21/22	22/23 vs 18/19
-5.6% ↓	-9.0% ↓

PETROL

% of Energy

0.9%



22/23 vs 21/22	22/23 vs 18/19
237% ↑	65.3% ↑

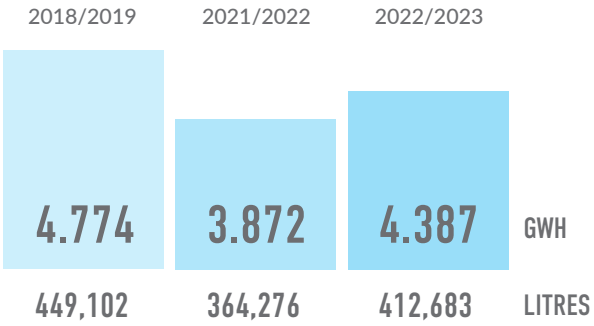
Fresh & Clean Overall Data

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
ENERGY GWH	5.514	4.180	4.831	15.6% ▲	-12.4% ▼
CARBON tCO2e	1,614	1,114	1,265	13.5% ▲	-21.6% ▼

DIESEL

% of Energy

90.8%



22/23 vs 21/22	22/23 vs 18/19
13.3% ▲	-8.1% ▼

ELECTRICITY

% of Energy

5.1%

22/23 vs 21/22	22/23 vs 18/19
17.6% ▲	-30.6% ▼

PETROL

% of Energy

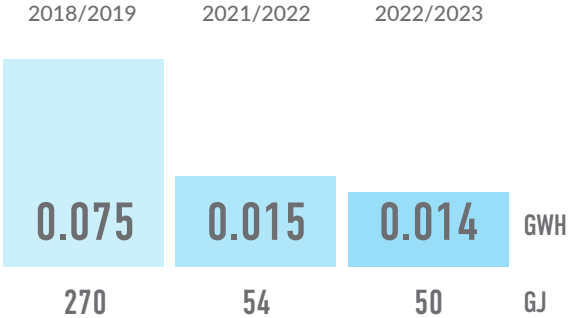
3.8%

22/23 vs 21/22	22/23 vs 18/19
120% ▲	-40.7% ▼

GAS

% of Energy

0.3%



22/23 vs 21/22	22/23 vs 18/19
-8.1% ▼	-81.5% ▼

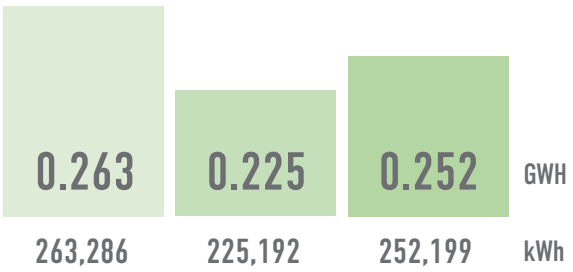
Admin Overall Data

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
ENERGY GWH	0.558	0.328	0.386	17.6% ▲	-30.8% ▼
CARBON tCO2e	290	198	218	9.8% ▲	-25.0% ▼

ELECTRICITY

% of Energy

65.4%

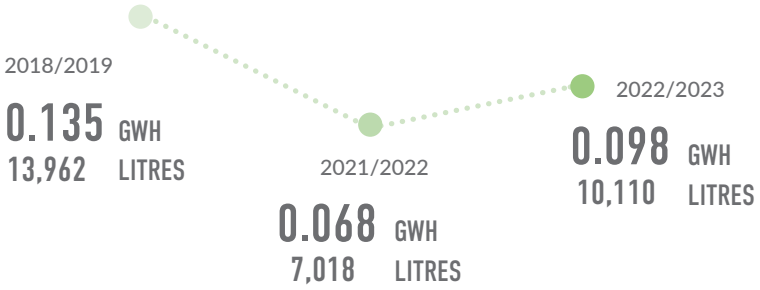


22/23 vs 21/22	22/23 vs 18/19
12.0% ▲	-4.2% ▼

PETROL

% of Energy

25.4%

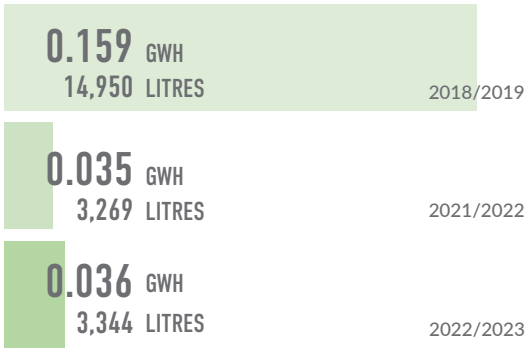


22/23 vs 21/22	22/23 vs 18/19
44.1% ▲	-27.6% ▼

DIESEL

% of Energy

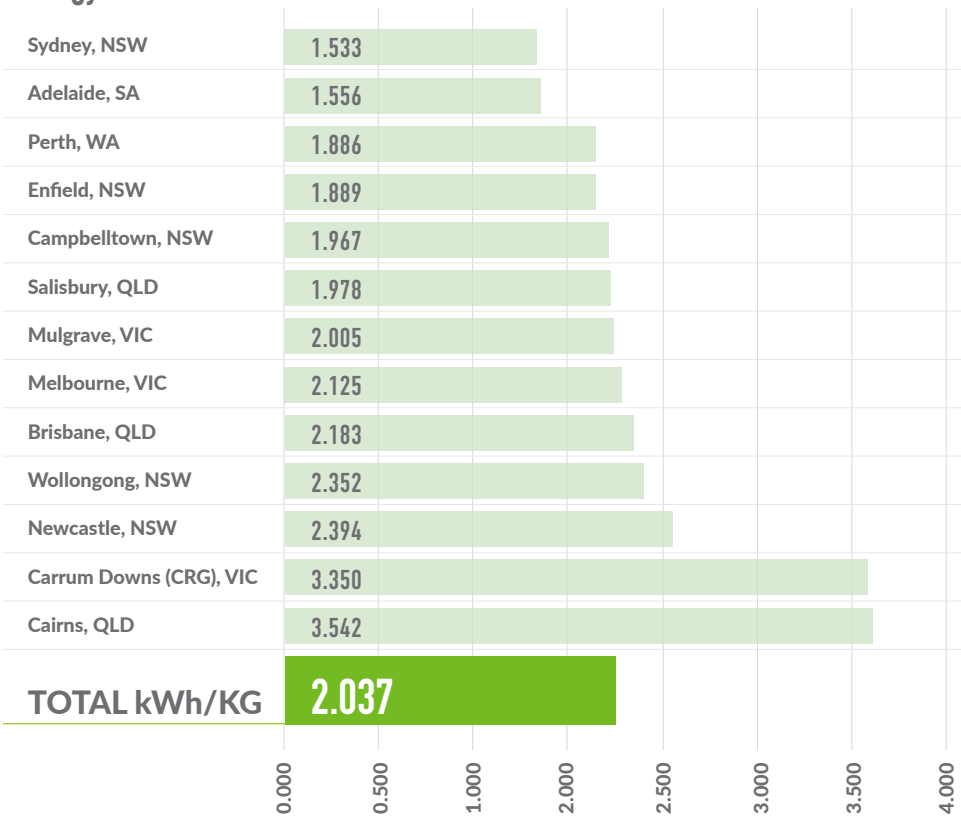
9.2%



22/23 vs 21/22	22/23 vs 18/19
2.3% ▲	-77.6% ▼

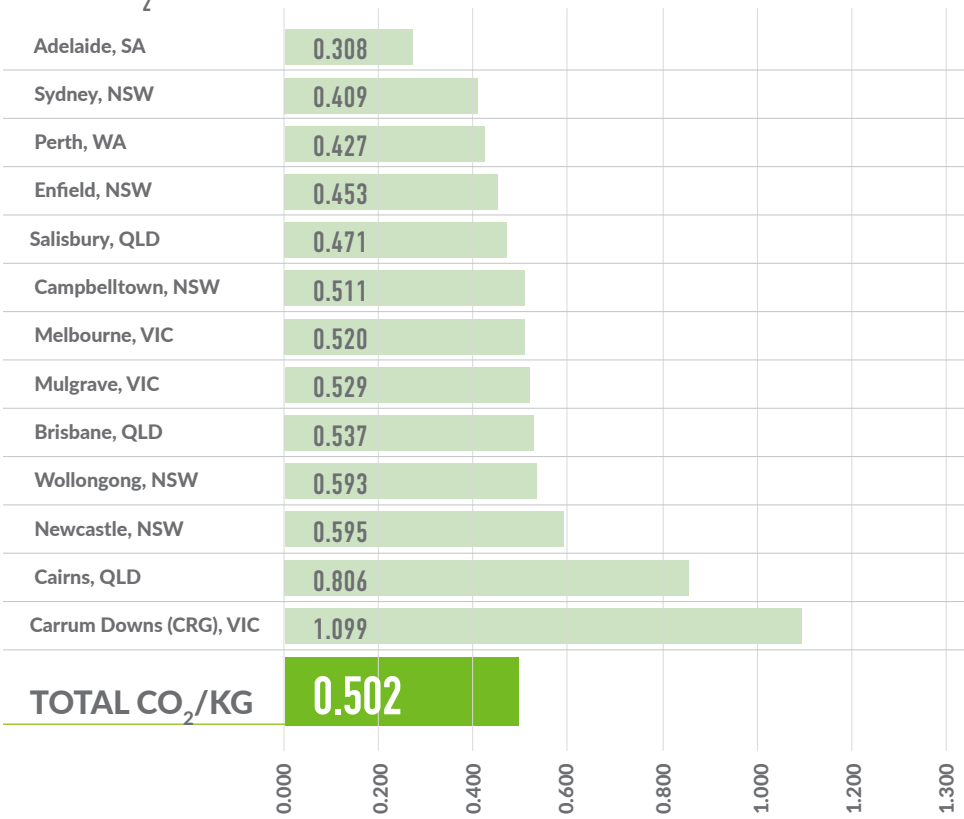
Comparisons

Energy kWh/KG



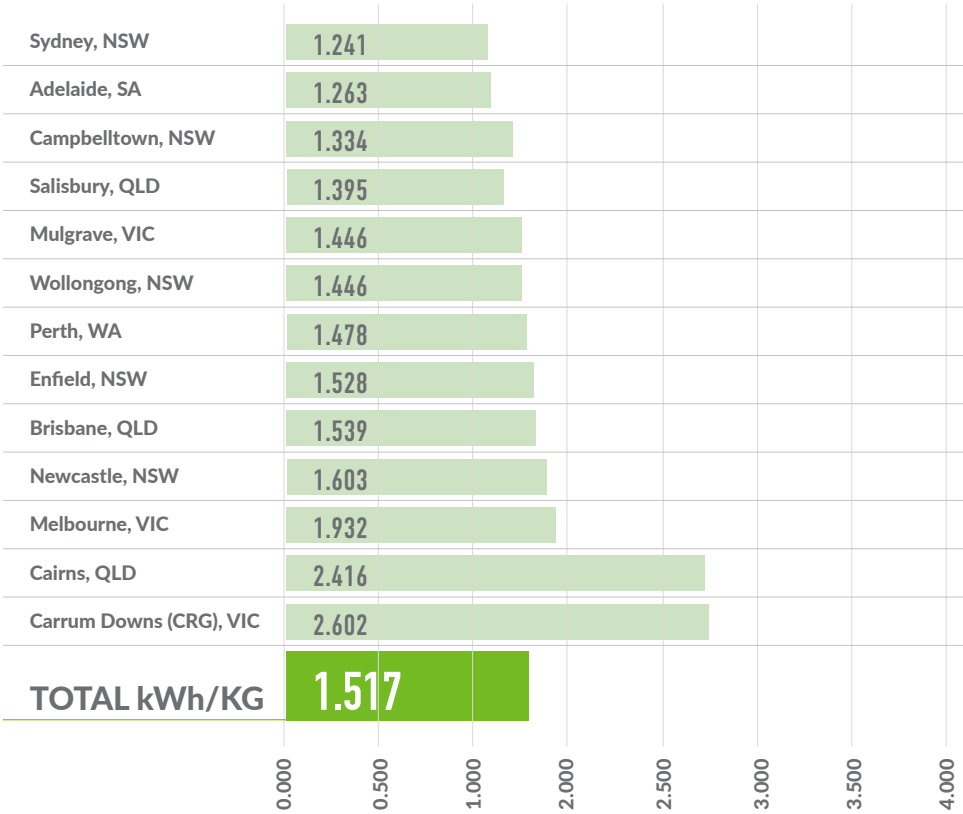
	22/23 vs 21/22	22/23 vs 18/19
Sydney, NSW	-24.2% ↓	-20.1% ↓
Adelaide, SA	-6.1% ↓	-5.8% ↓
Perth, WA	0.8% ↑	-7.5% ↓
Enfield, NSW	6.6% ↑	10.8% ↑
Campbelltown, NSW	-5.4% ↓	-23.4% ↓
Salisbury, QLD	4.7% ↑	-31.5% ↓
Mulgrave, VIC	6.0% ↑	-7.0% ↓
Melbourne, VIC	-1.8% ↓	9.9% ↑
Brisbane, QLD	-12.7% ↓	1.8% ↑
Wollongong, NSW	-2.0% ↓	-1.2% ↓
Newcastle, NSW	-3.3% ↓	-1.9% ↓
Carrum Downs (CRG), VIC	-6.8% ↓	4.6% ↑
Cairns, QLD	4.3% ↑	7.2% ↑
TOTAL kWh/KG	-3.6% ↓	-8.3% ↓

Carbon CO_2/KG



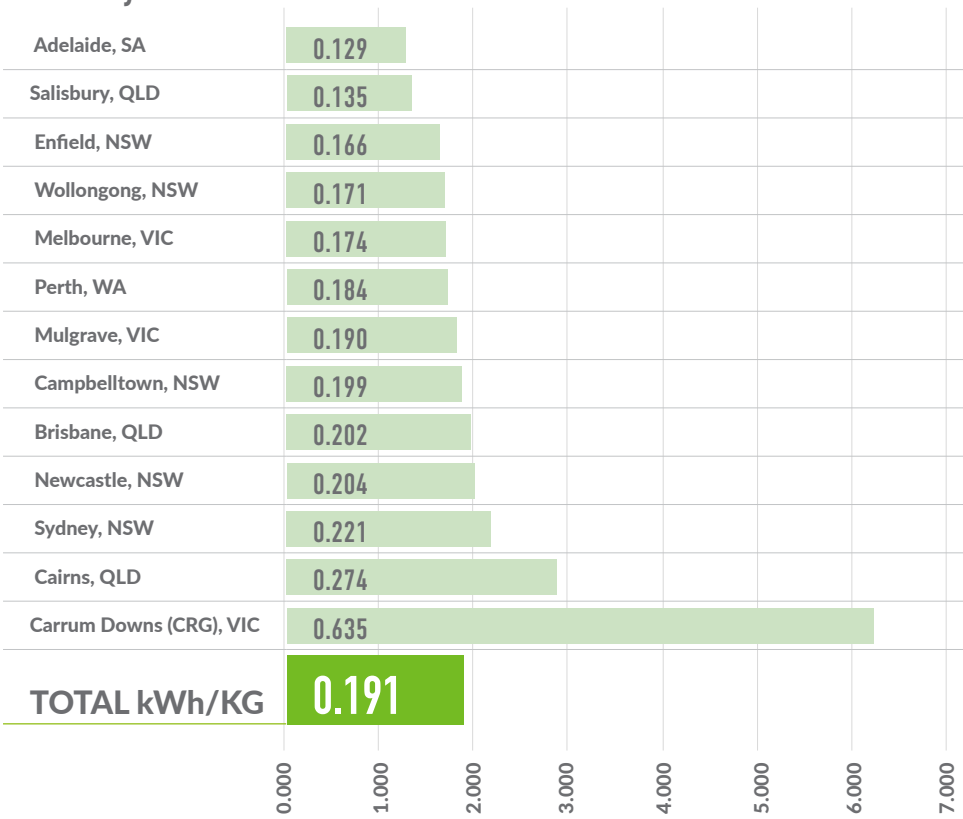
	22/23 vs 21/22	22/23 vs 18/19
Adelaide, SA	-9.3% ↓	-16.4% ↓
Sydney, NSW	-24.4% ↓	-18.6% ↓
Perth, WA	-3.3% ↓	-15.4% ↓
Enfield, NSW	3.8% ↑	7.6% ↑
Salisbury, QLD	1.1% ↑	-33.2% ↓
Campbelltown, NSW	-6.9% ↓	-19.6% ↓
Melbourne, VIC	1.6% ↑	-13.3% ↓
Mulgrave, VIC	-2.7% ↓	5.2% ↑
Brisbane, QLD	-12.4% ↓	-1.5% ↓
Wollongong, NSW	-3.4% ↓	-3.8% ↓
Newcastle, NSW	-7.9% ↓	-9.9% ↓
Cairns, QLD	-8.4% ↓	0.3% ↑
Carrum Downs (CRG), VIC	3.9% ↑	-17.1% ↓
TOTAL CO_2/KG	-5.9% ↓	-12.5% ↓

Gas



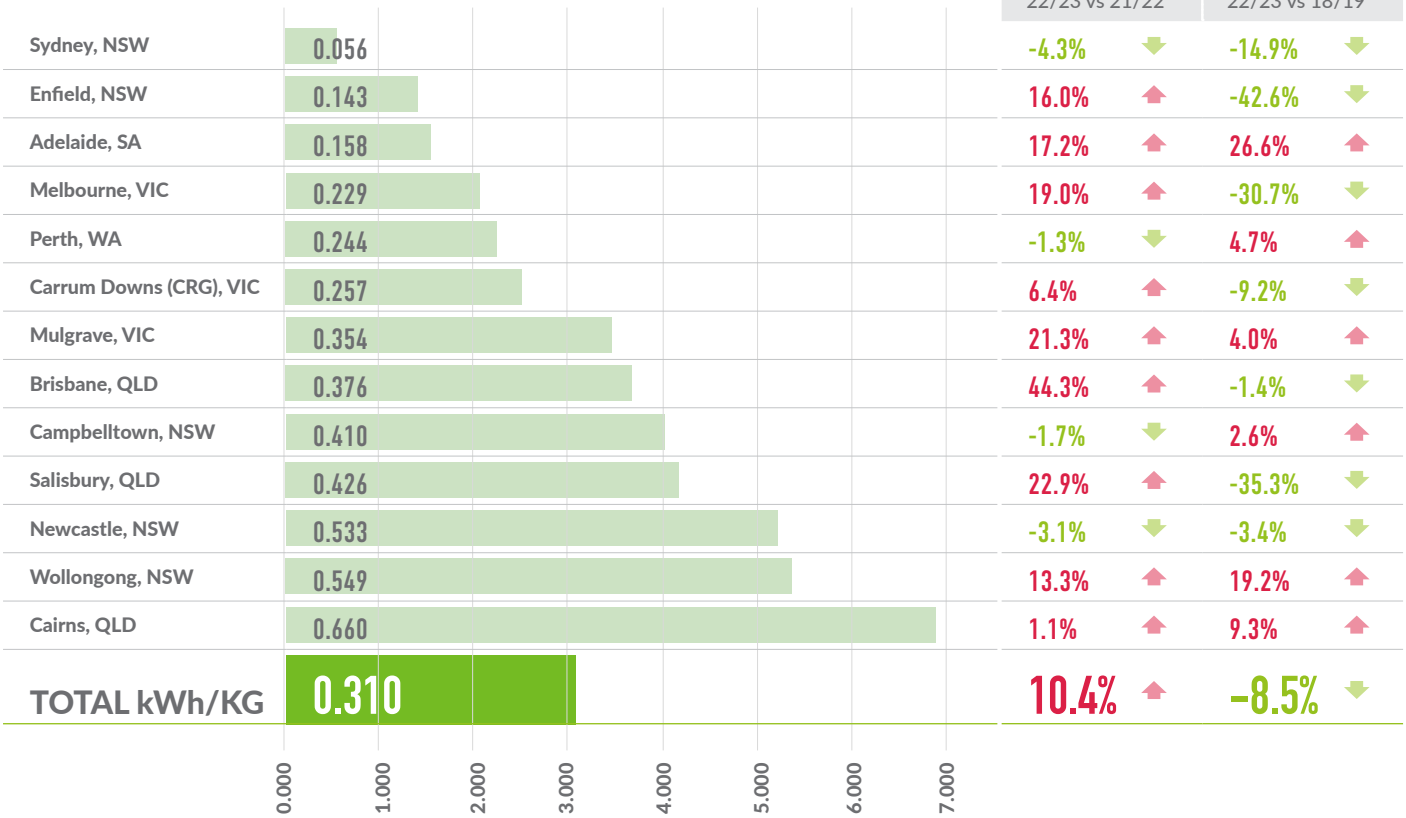
	22/23 vs 21/22	22/23 vs 18/19
Sydney, NSW	-26.7% ↓	-22.5% ↓
Adelaide, SA	-8.6% ↓	-7.0% ↓
Campbelltown, NSW	-6.9% ↓	-32.0% ↓
Salisbury, QLD	0.4% ↑	-30.4% ↓
Mulgrave, VIC	3.6% ↑	-9.7% ↓
Wollongong, NSW	-20.7% ↓	-3.5% ↓
Perth, WA	-2.4% ↓	-1.9% ↓
Enfield, NSW	4.1% ↑	19.4% ↑
Brisbane, QLD	-9.6% ↓	12.9% ↑
Newcastle, NSW	-1.9% ↓	-0.7% ↓
Melbourne, VIC	-3.5% ↓	-2.9% ↓
Cairns, QLD	-8.1% ↓	4.0% ↑
Carrum Downs (CRG), VIC	-0.1% ↓	21.4% ↑
TOTAL kWh/KG	**-6.6% ↓**	**-8.7% ↓**

Electricity



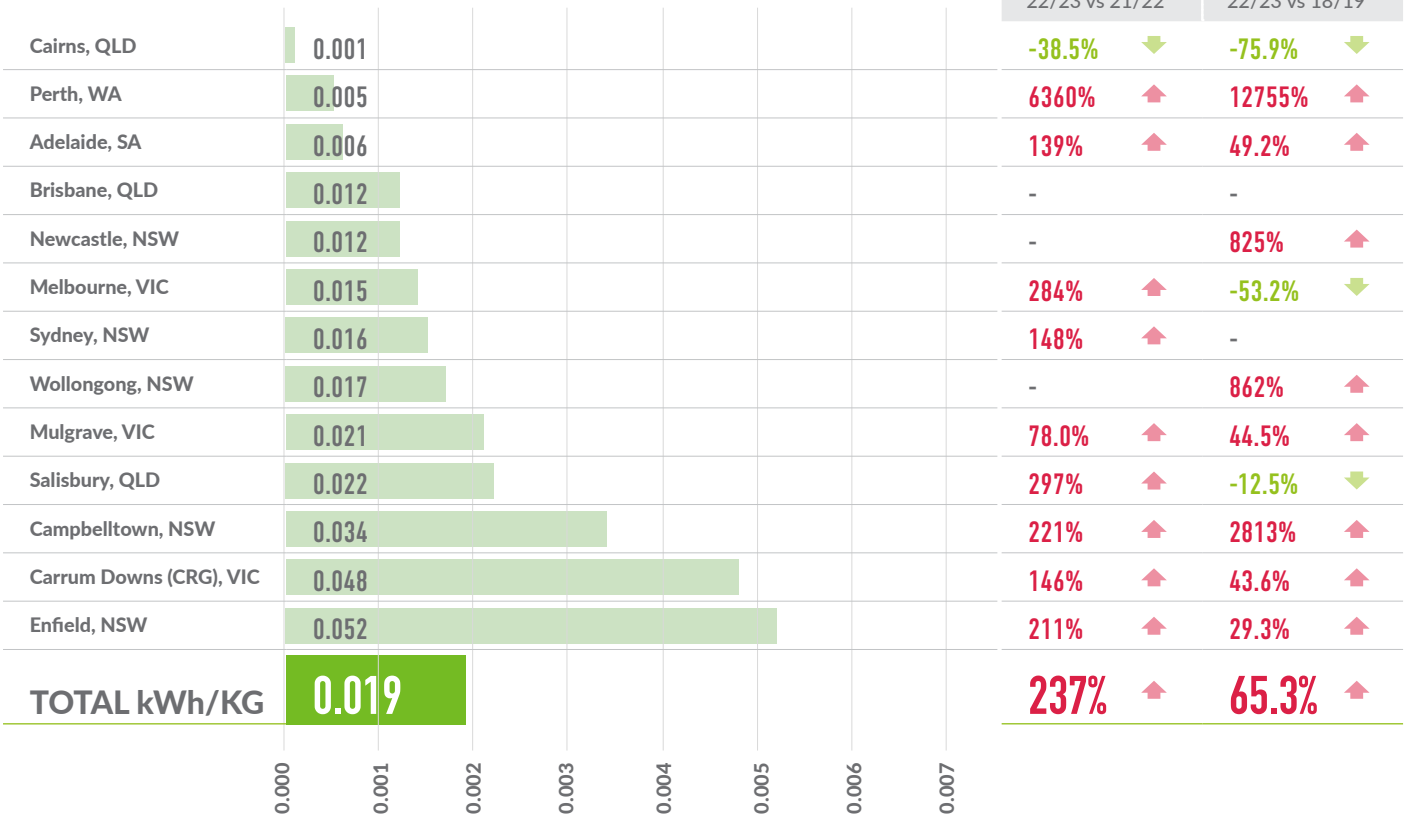
	22/23 vs 21/22	22/23 vs 18/19
Adelaide, SA	-7.1% ↓	-21.7% ↓
Salisbury, QLD	-9.1% ↓	-32.7% ↓
Enfield, NSW	1.0% ↑	22.8% ↑
Wollongong, NSW	-10.8% ↓	-6.3% ↓
Melbourne, VIC	5.8% ↑	-13.6% ↓
Perth, WA	-4.6% ↓	-8.3% ↓
Mulgrave, VIC	-14.1% ↓	-8.5% ↓
Campbelltown, NSW	-1.7% ↓	3.8% ↑
Brisbane, QLD	-8.4% ↓	-7.5% ↓
Newcastle, NSW	-5.6% ↓	-5.2% ↓
Sydney, NSW	-17.5% ↓	-0.1% ↓
Cairns, QLD	-12.8% ↓	0.2% ↑
Carrum Downs (CRG), VIC	19.8% ↑	-24.7% ↓
TOTAL kWh/KG	**-5.6% ↓**	**-9.0% ↓**

Diesel



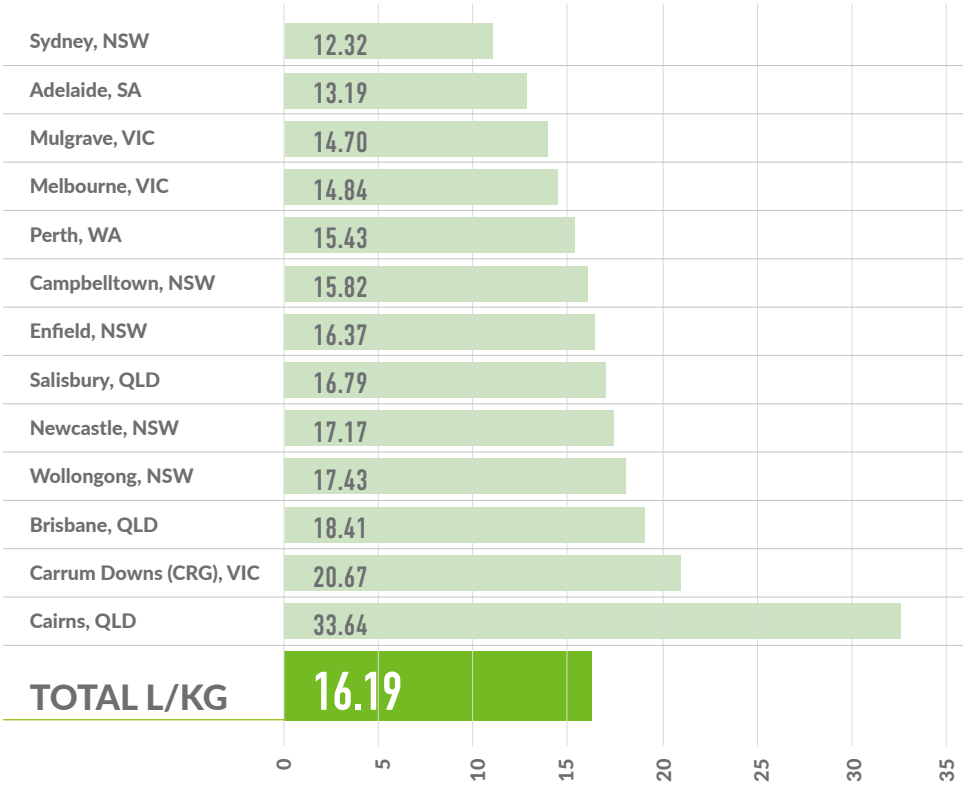
		22/23 vs 21/22	22/23 vs 18/19
Sydney, NSW	0.056	-4.3%	-14.9%
Enfield, NSW	0.143	16.0%	-42.6%
Adelaide, SA	0.158	17.2%	26.6%
Melbourne, VIC	0.229	19.0%	-30.7%
Perth, WA	0.244	-1.3%	4.7%
Carrum Downs (CRG), VIC	0.257	6.4%	-9.2%
Mulgrave, VIC	0.354	21.3%	4.0%
Brisbane, QLD	0.376	44.3%	-1.4%
Campbelltown, NSW	0.410	-1.7%	2.6%
Salisbury, QLD	0.426	22.9%	-35.3%
Newcastle, NSW	0.533	-3.1%	-3.4%
Wollongong, NSW	0.549	13.3%	19.2%
Cairns, QLD	0.660	1.1%	9.3%
TOTAL kWh/KG	**0.310**	**10.4%**	**-8.5%**

Petrol



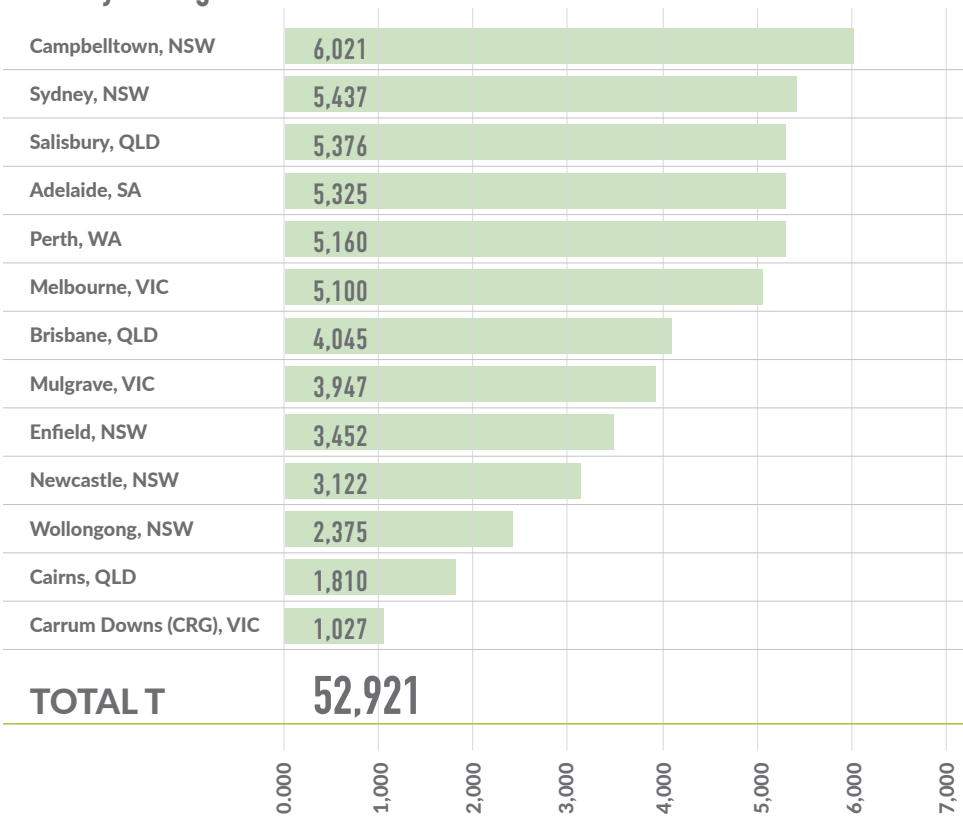
		22/23 vs 21/22	22/23 vs 18/19
Cairns, QLD	0.001	-38.5%	-75.9%
Perth, WA	0.005	6360%	12755%
Adelaide, SA	0.006	139%	49.2%
Brisbane, QLD	0.012	-	-
Newcastle, NSW	0.012	-	825%
Melbourne, VIC	0.015	284%	-53.2%
Sydney, NSW	0.016	148%	-
Wollongong, NSW	0.017	-	862%
Mulgrave, VIC	0.021	78.0%	44.5%
Salisbury, QLD	0.022	297%	-12.5%
Campbelltown, NSW	0.034	221%	2813%
Carrum Downs (CRG), VIC	0.048	146%	43.6%
Enfield, NSW	0.052	211%	29.3%
TOTAL kWh/KG	**0.019**	**237%**	**65.3%**

Water



	22/23 vs 21/22	22/23 vs 18/19
Sydney, NSW	-22.2% ↓	-24.1% ↓
Adelaide, SA	0.7% ↑	-15.3% ↓
Mulgrave, VIC	5.9% ↑	24.0% ↑
Melbourne, VIC	21.6% ↑	3.2% ↑
Perth, WA	-6.5% ↓	2.7% ↑
Campbelltown, NSW	14.2% ↑	25.9% ↑
Enfield, NSW	-6.7% ↓	-29.9% ↓
Salisbury, QLD	0.8% ↑	-4.4% ↓
Newcastle, NSW	-6.8% ↓	-21.8% ↓
Wollongong, NSW	-4.4% ↓	29.6% ↑
Brisbane, QLD	0.5% ↑	-9.2% ↓
Carrum Downs (CRG), VIC	1.6% ↑	-19.8% ↓
Cairns, QLD	31.1% ↑	-0.4% ↓
TOTAL L/KG	0.1% ↑	-7.1% ↓

Laundry Tonnage



	22/23 vs 21/22	22/23 vs 18/19
Campbelltown, NSW	31.1% ↑	1.7% ↑
Sydney, NSW	49.0% ↑	-0.3% ↓
Salisbury, QLD	9.2% ↑	34.6% ↑
Adelaide, SA	19.4% ↑	17.1% ↑
Perth, WA	9.4% ↑	10.3% ↑
Melbourne, VIC	23.0% ↑	14.1% ↑
Brisbane, QLD	-5.5% ↓	-18.8% ↓
Mulgrave, VIC	2.4% ↑	-11.9% ↓
Enfield, NSW	-1.1% ↓	-25.9% ↓
Newcastle, NSW	14.5% ↑	0.4% ↑
Wollongong, NSW	19.0% ↑	-14.0% ↓
Cairns, QLD	20.8% ↑	-17.6% ↓
Carrum Downs (CRG), VIC	4.0% ↑	6.6% ↑
TOTAL T	15.2% ↑	0.0% –

BRANCHES

Alsco Uniforms | Adelaide, SA

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	1.651	1.657	1.556	-6.1% ↓	-5.8% ↓
OVERALL CARBON CO_2/ KG	0.368	0.339	0.308	-9.3% ↓	-16.4% ↓
Laundry Tonnes	4,548	4,458	5,325	19.4% ↑	17.1% ↑

		L/KG		L/KG		L/KG		
Water kL	70,825	15.57	58,414	13.10	70,244	13.19	0.7% ↑	-15.3% ↓

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	22,233	1.358	22,163	1.381	24,204	1.263	-8.6% ↓	-7.0% ↓
Electricity kWh	748,751	0.165	618,671	0.139	686,764	0.129	-7.1% ↓	-21.7% ↓
Diesel Litres	53,372	0.125	56,520	0.135	79,102	0.158	17.2% ↑	26.6% ↑
Petrol Litres	1,949	0.004	1,196	0.003	3,405	0.006	138% ↑	49.2% ↑

GWh Total	7.511	7.388	8.284	12.1% ↑	10.3% ↑
tCO_2e Total	1,675	1,512	1,639	8.4% ↑	-2.1% ↓

2021-2022 | Removed 127 Tonnes of CRT Tonnage
2022-2023 | Removed 118 Tonnes of CRT Tonnage

Alsco Uniforms | Brisbane, QLD

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	1.935	2.165	2.125	-1.8% ↓	9.9% ↑
OVERALL CARBON CO_2/ KG	0.503	0.543	0.529	-2.7% ↓	5.2% ↑
Laundry Tonnes	4,982	4,279	4,045	-5.5% ↓	-18.8% ↓

		L/KG		L/KG		L/KG		
Water kL	101,022	20.28	78,370	18.32	74,463	18.41	0.5% ↑	-9.2% ↓

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	24,436	1.362	26,229	1.703	22,408	1.539	-9.6% ↓	12.9% ↑
Electricity kWh	953,259	0.191	864,484	0.202	803,135	0.199	-1.7% ↓	3.8% ↑
Diesel Litres	178,495	0.381	104,837	0.260	142,959	0.376	44.3% ↑	-1.4% ↓
Petrol Litres	0	0.000	0	0.000	5,186	0.012	-	-

GWh Total	9.638	9.265	8.598	-7.2% ↓	-10.8% ↓
tCO_2e Total	2,504	2,325	2,140	-8.0% ↓	-14.6% ↓

2021-2022 | Removed 94 Tonnes of CRT Tonnage
2022-2023 | Removed 81 Tonnes of CRT Tonnage

Alsco Uniforms | Cairns, QLD

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	3.204	3.595	3.350	-6.8% ↓	4.6% ↑
OVERALL CARBON CO_2/ KG	0.804	0.880	0.806	-8.4% ↓	0.3% ↑
Laundry Tonnes	2,196	1,499	1,810	20.8% ↑	-17.6% ↓

		L/KG		L/KG		L/KG		
Water kL	74,217	33.79	38,460	25.66	60,888	33.64	31.1% ↑	-0.4% ↓

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	18,375	2.324	14,177	2.627	15,740	2.416	-8.1% ↓	4.0% ↑
Electricity kWh	600,097	0.273	470,237	0.314	495,310	0.274	-12.8% ↓	0.2% ↑
Diesel Litres	124,672	0.603	92,023	0.653	112,325	0.660	1.1% ↑	9.3% ↑
Petrol Litres	751	0.003	200	0.001	149	0.001	-38.5% ↓	-75.9% ↓

GWh Total	7.037	5.388	6.063	12.5% ↑	-13.8% ↓
tCO_2e Total	1,765	1,319	1,459	10.6% ↑	-17.4% ↓

2018-2019 | Removed outside processing of 527 Tonnes
2021-2022 | Removed outside processing of 490 Tonnes
2022-2023 | Removed outside processing of 524 Tonnes

Alsco Uniforms | Campbelltown, NSW

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	2.570	2.081	1.967	-5.4% ↓	-23.4% ↓
OVERALL CARBON CO_2/ KG	0.635	0.549	0.511	-6.9% ↓	-19.6% ↓
Laundry Tonnes	5,922	4,594	6,021	31.1% ↑	1.7% ↑

		L/KG		L/KG		L/KG		
Water kL	88,947	15.02	75,776	16.49	92,892	15.43	-6.5% ↓	2.7% ↑

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	41,841	1.963	23,695	1.433	28,916	1.334	-6.9% ↓	-32.0% ↓
Electricity kWh	1,226,475	0.207	1,014,107	0.221	1,141,531	0.190	-14.1% ↓	-8.5% ↓
Diesel Litres	222,363	0.399	179,978	0.416	231,978	0.410	-1.7% ↓	2.6% ↑
Petrol Litres	717	0.001	5,045	0.011	21,235	0.034	221% ↑	2813% ↑

GWh Total	15.220		9.558		11.846		23.9% ↑	-22.2% ↓
tCO_2e Total	3,763		2,521		3,075		22.0% ↑	-18.3% ↓

2018-2019 | 8% Electricity attibuted to ALS operations
2021-2022 | Removed 283 Tonnes of CRT Tonnage
2022-2023 | Removed 273 Tonnes of CRT Tonnage

Alsco Uniforms | Enfield, NSW

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	1.704	1.772	1.889	6.6% ↑	10.8% ↑
OVERALL CARBON CO_2/ KG	0.421	0.437	0.453	3.8% ↑	7.6% ↑
Laundry Tonnes	4,659	3,491	3,452	-1.1% ↓	-25.9% ↓

		L/KG		L/KG		L/KG		
Water kL	58,524	12.56	48,334	13.85	54,599	15.82	14.2% ↑	25.9% ↑

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	21,476	1.280	18,449	1.468	18,991	1.528	4.1% ↑	19.4% ↑
Electricity kWh	629,446	0.135	573,212	0.164	572,576	0.166	1.0% ↑	22.8% ↑
Diesel Litres	108,894	0.248	40,389	0.123	46,343	0.143	16.0% ↑	-42.6% ↓
Petrol Litres	19,357	0.040	6,031	0.017	18,551	0.052	211% ↑	29.3% ↑

GWh Total	7.940	6.186	6.521	5.4% ↑	-17.9% ↓
tCO_2e Total	1,963	1,526	1,565	2.6% ↑	-20.3% ↓

2021-2022 | Added NSW CRT Tonnage
2022-2023 | Added NSW CRT Tonnage

Alsco Uniforms | Melbourne, VIC

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	2.440	2.476	2.394	-3.3% ↓	-1.9% ↓
OVERALL CARBON CO_2/ KG	0.661	0.647	0.595	-7.9% ↓	-9.9% ↓
Laundry Tonnes	4,471	4,146	5,100	23.0% ↑	14.1% ↑

		L/KG		L/KG		L/KG		
Water kL	98,096	21.94	76,401	18.43	87,553	17.17	-6.8% ↓	-21.8% ↓

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	32,015	1.989	29,882	2.002	35,471	1.932	-3.5% ↓	-2.9% ↓
Electricity kWh	974,236	0.218	912,500	0.220	1,028,132	0.202	-8.4% ↓	-7.5% ↓
Diesel Litres	98,072	0.233	96,446	0.247	117,122	0.244	-1.3% ↓	4.7% ↑
Petrol Litres	0	0.000	2,838	0.007	8,642	0.016	147% ↑	-

GWh Total	10.910	10.266	12.210	18.9% ↑	11.9% ↑
tCO_2e Total	2,955	2,681	3,037	13.3% ↑	2.8% ↑

2018-2019 | Removed outside processing of 840 Tonnes
2021-2022 | Removed outside processing of 869 Tonnes
2022-2023 | Removed outside processing of 882 Tonnes

Alsco Uniforms | Mulgrave, VIC

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	2.156	1.892	2.005	6.0% ↑	-7.0% ↓
OVERALL CARBON CO_2/ KG	0.600	0.512	0.520	1.6% ↑	-13.3% ↓
Laundry Tonnes	4,479	3,854	3,947	2.4% ↑	-11.9% ↓

		L/KG		L/KG		L/KG		
Water kL	53,099	11.85	53,498	13.88	58,006	14.70	5.9% ↑	24.0% ↑

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	25,811	1.601	19,357	1.395	20,545	1.446	3.6% ↑	-9.7% ↓
Electricity kWh	899,188	0.201	743,962	0.193	726,634	0.184	-4.6% ↓	-8.3% ↓
Diesel Litres	143,455	0.340	105,863	0.292	131,520	0.354	21.3% ↑	4.0% ↑
Petrol Litres	6,740	0.015	4,708	0.012	8,584	0.021	78.0% ↑	44.5% ↑

GWh Total	9.659	7.292	7.915	8.5% ↑	-18.1% ↓
tCO_2e Total	2,687	1,973	2,052	4.0% ↑	-23.6% ↓

2018-2019 | Removed outside processing of 377 Tonnes
2021-2022 | *Removed outside processing of 486 Tonnes (Tasmanian Routes) *Added Melbourne and Adelaide CRT Tonnage
2022-2023 | *Removed outside processing of 573 Tonnes (Tasmanian Routes) *Added Melbourne and Adelaide CRT Tonnage

Alsco Uniforms | Newcastle, NSW

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	2.382	2.400	2.352	-2.0% ↓	-1.2% ↓
OVERALL CARBON CO_2/ KG	0.617	0.614	0.593	-3.4% ↓	-3.8% ↓
Laundry Tonnes	3,109	2,726	3,122	14.5% ↑	0.4% ↑

		L/KG		L/KG		L/KG		
Water kL	54,587	17.56	45,424	16.66	52,428	16.79	0.8% ↑	-4.4% ↓

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	18,061	1.614	16,029	1.633	18,012	1.603	-1.9% ↓	-0.7% ↓
Electricity kWh	670,260	0.216	590,391	0.217	638,265	0.204	-5.6% ↓	-5.2% ↓
Diesel Litres	161,279	0.551	140,984	0.550	156,486	0.533	-3.1% ↓	-3.4% ↓
Petrol Litres	433	0.001	0	0.000	4,021	0.012	-	825% ↑

GWh Total	7.406		6.542		7.344		12.3% ↑	-0.8% ↓
tCO_2e Total	1,918		1,674		1,852		10.6% ↑	-3.4% ↓

2018-2019 | 5% Newcastle Electricity attributed to Fresh and Clean operations
2021-2022 | Removed 85 Tonnes of CRT Tonnage
2022-2023 | Removed 82 Tonnes of CRT Tonnage

Alsco Uniforms | Perth, WA

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	2.038	1.870	1.886	0.8% ↑	-7.5% ↓
OVERALL CARBON CO_2/ KG	0.504	0.441	0.427	-3.3% ↓	-15.4% ↓
Laundry Tonnes	4,680	4,717	5,160	9.4% ↑	10.3% ↑

		L/KG		L/KG		L/KG		
Water kL	67,269	14.37	57,574	12.21	76,571	14.84	21.6% ↑	3.2% ↑

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	25,380	1.506	25,695	1.513	27,447	1.478	-2.4% ↓	-1.9% ↓
Electricity kWh	944,298	0.202	777,264	0.165	899,833	0.174	5.8% ↑	-13.6% ↓
Diesel Litres	145,251	0.330	85,262	0.192	110,975	0.229	19.0% ↑	-30.7% ↓
Petrol Litres	20	0.000	39	0.000	2,785	0.005	6,360% ↑	12,754% ↑

GWh Total	9.539	8.821	9.731	10.3% ↑	2.0% ↑
tCO_2e Total	2,361	2,081	2,202	5.8% ↑	-6.7% ↓

2018-2019 | 5% Perth Electricity attributed to Fresh and Clean operations

Alsco Uniforms | Salisbury, QLD

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	2.888	1.890	1.978	4.7% ▲	-31.5% ▼
OVERALL CARBON CO_2/ KG	0.706	0.466	0.471	1.1% ▲	-33.2% ▼
Laundry Tonnes	3,994	4,924	5,376	9.2% ▲	34.6% ▲

		L/KG		L/KG		L/KG		
Water kL	93,244	23.35	86,401	17.55	88,003	16.37	-6.7% ▼	-29.9% ▼

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	28,806	2.003	24,627	1.389	28,806	1.488	7.1% ▲	-25.7% ▼
Electricity kWh	799,770	0.200	730,256	0.148	724,558	0.135	-9.1% ▼	-32.7% ▼
Diesel Litres	247,588	0.659	160,662	0.347	215,660	0.426	22.9% ▲	-35.3% ▼
Petrol Litres	10,407	0.025	2,828	0.006	12,255	0.022	297% ▲	-12.5% ▼

GWh Total	11.534	9.306	10.636	14.3% ▲	-7.8% ▼
tCO_2e Total	2,819	2,294	2,533	10.4% ▲	-10.1% ▼

2021-2022 | Added Brisbane CRT Tonnage
2022-2023 | Added Brisbane CRT Tonnage

Alsco Uniforms | Sydney, NSW

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	1.919	2.023	1.533	-24.2% ↓	-20.1% ↓
OVERALL CARBON CO_2/ KG	0.503	0.541	0.409	-24.4% ↓	-18.6% ↓
Laundry Tonnes	5,453	3,649	5,437	49.0% ↑	-0.3% ↓

		L/KG		L/KG		L/KG		
Water kL	88,553	16.24	57,794	15.84	66,971	12.32	-22.2% ↓	-24.1% ↓

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	31,407	1.600	22,225	1.692	24,282	1.241	-26.7% ↓	-22.5% ↓
Electricity kWh	1,208,384	0.222	979,200	0.268	1,203,057	0.221	-17.5% ↓	-0.1% ↓
Diesel Litres	33,852	0.066	20,144	0.059	28,710	0.056	-4.3% ↓	-14.9% ↓
Petrol Litres	17,685	0.031	1,443	0.004	8,257	0.015	284% ↑	-53.2% ↓

GWh Total	10.464	7.381	8.333	12.9% ↑	-20.4% ↓
tCO_2e Total	2,740	1,974	2,224	12.7% ↑	-18.8% ↓

2018-2019 | 11% Electricity attributed to Deanes and 40% attributed to Fresh & Clean operations
2021-2022 | Removed 32 Tonnes of CRT Tonnage
2022-2023 | Removed 25 Tonnes of CRT Tonnage

Alsco Uniforms | Wollongong, NSW

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	2.145	2.501	2.183	-12.7% ↓	1.8% ↑
OVERALL CARBON CO_2/ KG	0.546	0.613	0.537	-12.4% ↓	-1.5% ↓
Laundry Tonnes	2,761	1,995	2,375	19.0% ↑	-14.0% ↓

		L/KG		L/KG		L/KG		
Water kL	37,115	13.44	36,380	18.24	41,390	17.43	-4.4% ↓	29.6% ↑

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	14,901	1.499	13,102	1.824	12,364	1.446	-20.7% ↓	-3.5% ↓
Electricity kWh	505,293	0.183	383,485	0.192	407,170	0.171	-10.8% ↓	-6.3% ↓
Diesel Litres	119,661	0.461	90,938	0.485	122,682	0.549	13.3% ↑	19.2% ↑
Petrol Litres	491	0.002	0	0.000	4,066	0.017	-	862% ↑

GWh Total	5.921	4.989	5.185	3.9% ↑	-12.4% ↓
tCO_2e Total	1,507	1,224	1,276	4.3% ↑	-15.3% ↓

2021-2022 | Removed 54 Tonnes of CRT Tonnage
2022-2023 | Removed 50 Tonnes of CRT Tonnage

Clean Room Garments (CRG) | Carrum Downs, VIC

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY kWh/ KG	3.304	3.397	3.542	4.3% ↑	7.2% ↑
OVERALL CARBON CO_2/ KG	1.325	1.058	1.099	3.9% ↑	-17.1% ↓
Laundry Tonnes	963	987	1,027	4.0% ↑	6.6% ↑

		L/KG		L/KG		L/KG		
Water kL	24,839	25.78	20,072	20.34	21,217	20.67	1.6% ↑	-19.8% ↓

		kWh/KG		kWh/KG		kWh/KG		
Gas GJ	7,433	2.143	9,258	2.606	9,618	2.602	-0.1% ↓	21.4% ↑
Electricity kWh	813,120	0.844	523,251	0.530	652,221	0.635	19.8% ↑	-24.7% ↓
Diesel Litres	25,666	0.283	22,446	0.242	24,837	0.257	6.4% ↑	-9.2% ↓
Petrol Litres	3,286	0.033	1,962	0.019	5,030	0.048	146% ↑	44% ↑

GWh Total	3.183	3.352	3.637	8.5% ↑	14.3% ↑
tCO_2e Total	1,277	1,044	1,129	8.1% ↑	-11.6% ↓

FRESH & CLEAN BRANCHES

Fresh & Clean | Adelaide, SA

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	1.113	0.858	0.953	11.1% ↑	-14.4% ↓
OVERALL CARBON tCO_2e	298	212	235	11.2% ↑	-21.0% ↓

		GWH		GWH		GWH		
Gas GJ	30	0.008	1	0.000	0	0.000	-100% ↓	-100% ↓
Electricity kWh	55,001	0.055	29,889	0.030	32,073	0.032	7.3% ↑	-41.7% ↓
Diesel Litres	95,333	1.013	74,365	0.790	81,115	0.862	9.1% ↑	-14.9% ↓
Petrol Litres	3,689	0.036	3,810	0.037	6,018	0.058	58.0% ↑	63.1% ↑

Fresh & Clean | Brisbane, QLD

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	1.234	1.084	1.215	12.1% ↑	-1.5% ↓
OVERALL CARBON tCO_2e	340	272	298	9.7% ↑	-12.3% ↓

		GWH		GWH		GWH		
Gas GJ	165	0.046	49	0.013	46	0.013	-4.5% ↓	-71.9% ↓
Electricity kWh	51,006	0.051	17,243	0.017	46,207	0.046	168% ↑	-9.4% ↓
Diesel Litres	105,111	1.117	99,047	1.053	108,134	1.149	9.2% ↑	2.9% ↑
Petrol Litres	2,055	0.020	0	0.000	686	0.007	-	-66.6% ↓

Fresh & Clean | Melbourne, VIC

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	1.047	0.702	0.826	17.7% ▲	-21.1% ▼
OVERALL CARBON tCO_2e	328	172	204	19.1% ▲	-37.7% ▼

		GWH		GWH		GWH		
Gas GJ	75	0.021	4	0.001	4	0.001	-16.7% ▼	-95.1% ▼
Electricity kWh	76,704	0.077	30,216	0.030	25,222	0.025	-16.5% ▼	-67.1% ▼
Diesel Litres	78,215	0.831	61,658	0.655	71,195	0.757	15.5% ▲	-9.0% ▼
Petrol Litres	12,145	0.118	1,526	0.015	4,385	0.043	187% ▲	-63.9% ▼

Fresh & Clean | Newcastle, NSW

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	0.383	0.308	0.321	4.1% ▲	-16.3% ▼
OVERALL CARBON tCO_2e	135	95	98	2.6% ▲	-27.7% ▼

		GWH		GWH		GWH		
Gas GJ	0	0.000	0	0.000	0	0.000	-	-
Electricity kWh	35,277	0.035	31,073	0.031	33,593	0.034	8.1% ▲	-4.8% ▼
Diesel Litres	29,904	0.318	24,531	0.261	24,691	0.262	0.7% ▲	-17.4% ▼
Petrol Litres	3,115	0.030	1,677	0.016	2,544	0.025	51.7% ▲	-18.3% ▼

Fresh & Clean | Perth, WA

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	0.356	0.950	0.337	-64.5% ↓	-5.2% ↓
OVERALL CARBON tCO_2e	110	89	98	10.8% ↑	-10.9% ↓

		GWH		GWH		GWH		
Gas GJ	0	0.000	0	0.000	0	0.000	-	-
Electricity kWh	49,700	0.050	40,909	0.041	47,360	0.047	15.8% ↑	-4.7% ↓
Diesel Litres	28,775	0.306	21,690	0.231	25,118	0.267	15.8% ↑	-12.7% ↓
Petrol Litres	0	0.000	744	0.007	2,351	0.023	215% ↑	-

Fresh & Clean | Sydney, NSW

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	1.382	0.950	1.180	24.1% ↑	-14.6% ↓
OVERALL CARBON tCO_2e	402	275	331	20.3% ↑	-17.7% ↓

		GWH		GWH		GWH		
Gas GJ	0	0.000	0	0.000	0	0.000	-	-
Electricity kWh	86,836	0.087	59,984	0.060	61,719	0.062	2.9% ↑	-28.9% ↓
Diesel Litres	111,764	1.188	82,985	0.882	102,430	1.089	23.4% ↑	-8.4% ↓
Petrol Litres	11,044	0.107	860	0.008	3,010	0.029	249% ↑	-72.7% ↓

OPERATIONS

Australian Linen Supply (ALS)

	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	0.169	0.090	0.101	12.7% ▲	-40.3% ▼
OVERALL CARBON tCO_2e	103	64	73	13.1% ▲	-29.5% ▼

		GWH		GWH		GWH		
Electricity kWh	106,650	0.107	88,183	0.088	99,264	0.099	12.6% ▲	-6.9% ▼
Diesel Litres	5,893	0.063	136	0.001	168	0.002	22.9% ▲	-97.2% ▼
Petrol Litres	0	0.000	0	0.000	0	0.000	-	-

Support Office (SO)

Category	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	0.246	0.147	0.172	16.7% ↑	-30.2% ↓
OVERALL CARBON tCO_2e	100	77	86	10.9% ↑	-14.2% ↓

		GWH		GWH		GWH		
Electricity kWh	66,256	0.066	74,577	0.075	88,697	0.089	18.9% ↑	33.9% ↑
Diesel Litres	5,842	0.062	436	0.005	388	0.004	-11.1% ↓	-93.4% ↓
Petrol Litres	12,155	0.118	7,018	0.068	8,148	0.079	16.1% ↑	-33.0% ↓

Deane Apparel (DAA)

Category	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	0.071	0.042	0.063	48.5% ↑	-12.2% ↓
OVERALL CARBON tCO_2e	29	18	22	25.0% ↑	-22.8% ↓

		GWH		GWH		GWH		
Electricity kWh	19,494	0.019	13,466	0.013	13,855	0.014	2.9% ↑	-28.9% ↓
Diesel Litres	3,215	0.034	2,696	0.029	2,789	0.030	3.5% ↑	-13.3% ↓
Petrol Litres	1,807	0.018	0	0.000	1,963	0.019	-	8.6% ↑

Clean Room Garments (CRG) | Glendenning

Category	2018/2019	2021/2022	2022/2023	22/23 vs 21/22	22/23 vs 18/19
OVERALL ENERGY GWh	0.071	0.049	0.050	2.9% ▲	-28.9% ▼
OVERALL CARBON tCO_2e	58	39	37	-4.9% ▼	-36.7% ▼

		GWH		GWH		GWH		
Electricity kWh	70,886	0.071	48,966	0.049	50,383	0.050	2.9% ▲	-28.9% ▼
Diesel Litres	0	0.000	0	0.000	0	0.000	-	-
Petrol Litres	0	0.000	0	0.000	0	0.000	-	-