

Environmental

Annual Report

2019



Bidfood Australia has been measuring its environmental, social and governance performance for many years as part of the Bidcorp group of companies. This report is an opportunity for Bidfood Australia to demonstrate its progress in managing the impact of its distributional activities on the environment.

Scope

This report deals with the environmental performance of the distribution centres located in Australia to the year ending 30 June 2019.

The following environmental criteria are covered:

Results



For each environmental parameter examined, the report details consumption of production values for the last 12 months of 2019, trends for the last two years and future improvement projects.

Usage



The results of the year are presented cumulatively. Data from all distribution centres and vehicles are added. Comparative values related to domestic life have been established to allow better understanding of the data.

Trends



Comparison of the annual results of the last two years. An evolution trend analysis is established. This makes it possible to measure the improvements in performance achieved.

What's next?



Finally, current projects and future improvement tracks followed by Bidfood are described. The actions and projects presented are short, medium and long term.

Electricity



Electricity is mainly used (by refrigeration units) for the production of cold storage spaces. To a lesser extent, electricity is used for lighting, operation of computer equipment, material handling and some light manufacturing activities.

Purchase



59,085,031kWh
consumed

=



46,618 tonnes
of CO₂

=



3,939 families

Usage

The annual purchase in 2019 is equivalent to the electricity consumption of 3,939 families (average family of 4 in a suburban home uses 15,000kWh per year).

This represents 46,618 tonnes of CO₂ equivalent from the average 0.79kg of CO₂ per kWh of electricity generated in Australia.

Trends

The use of electricity in 2019 has increased by 3% due to the commencement of two new sites while two sites that will be decommissioned continued to operate during the transition. The new sites are built with more efficient refrigeration and lighting, so the electricity usage is expected to decrease in 2020.

What's next

Bidfood Australia is making significant investments in newer facilities with the following energy characteristics:

- Solar panels
- LED lighting
- Ammonia-based refrigeration

We continue to educate staff on more energy efficient ways to save power. Solar panels with generation capacity of between 270–290 kilowatt/hour are being installed on two existing buildings to reduce the electricity consumption.

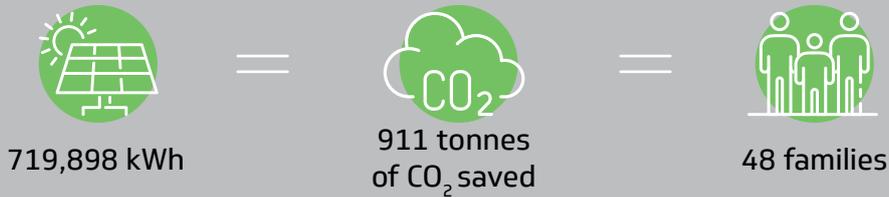
Equipment also continues to be maintained at the highest standard to minimise electricity usage where possible.

Electricity Production



There are seven solar panel systems installed on sites in Australia. The generation capacity of the solar panel systems ranges from 90kWh at smaller sites, up to 290kWh at larger sites. Four of these solar panel systems were installed in 2019 and generated 284,338 of our total kWh produced in their first partial year of generation.

Generation



Usage

719,898 kWh of electricity was produced in 2019. This represents 911 tonnes of CO₂ that was not emitted into the atmosphere.



What's next

Two more solar panel systems will be installed in 2020 on the warehouses in Colmslie QLD and Darwin NT each with generation capacity of 290kWh. Solar panel systems are designed to provide for the energy needs of the site with excess electricity being fed back to the electrical grid in all states but WA. The electricity generated by solar is also eligible for the creation of Large Scale Energy credits with the Renewable Energy Regulator which are sold to utilities and reduce the payback period of the solar panel system.

Bidfood Richlands (QLD)



Bidfood Truganina (VIC)



Bidfood Garbutt (QLD)



Fuels



Here we examine the fuel consumption of the delivery vehicles. Some vehicles have a separate engine to operate the refrigeration unit. Bidfood Australia also operates a fleet of vehicles for sales and operation people.

Usage



5,527,523L
of diesel

=



14,813 tonnes
of CO₂ diesel



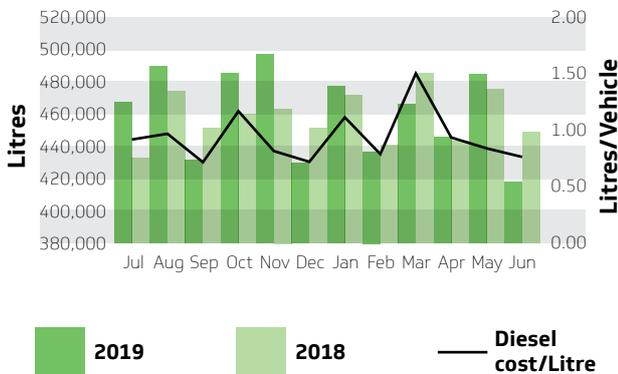
319,792L
of petrol

=

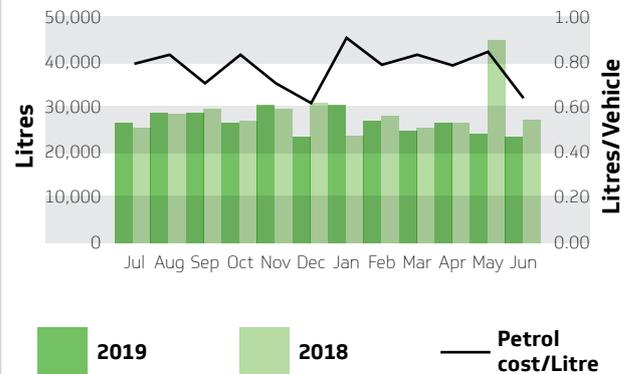


738 tonnes
of CO₂ petrol

Diesel (Litres)



Petrol (Litres)



What's next

Bidfood has ordered its first electric truck for trial with the objective of reducing the amount of diesel usage. Bidfood is also building smaller sites that are closer to customers to reduce the length of delivery runs.

Bidfood's fleet of delivery vehicles is constantly monitored for performance by GPS to educate drivers on speeding, heavy acceleration and idling time. At June 2019, 200 vehicles had been allocated and installed with GPS tracking devices. A further 200 vehicles have been

allocated and installed GPS devices as at October 2019. Early indications are that driver behaviour changes with the installation of GPS and results in material reduction of fuel usage.

Bidfood's fleet of sales and operations vehicles which is mainly petrol powered are chosen for their fuel efficiency. Sales representatives are generally allocated hatchbacks and sedans with only four cylinder engines. All of these vehicles are also monitored by GPS to track the business and personal use and driving habits.

City Water



City water is used for sanitary facilities and to clean meat and cheese processing facilities.

Usage



222,141kL
of water

=



Average annual
consumption of
676 families

=



3,702,345
showers

The annual consumption of water use is equivalent to the annual consumption of 676 families of four (i.e. a family uses on average 900L per day or 328,500L annually).

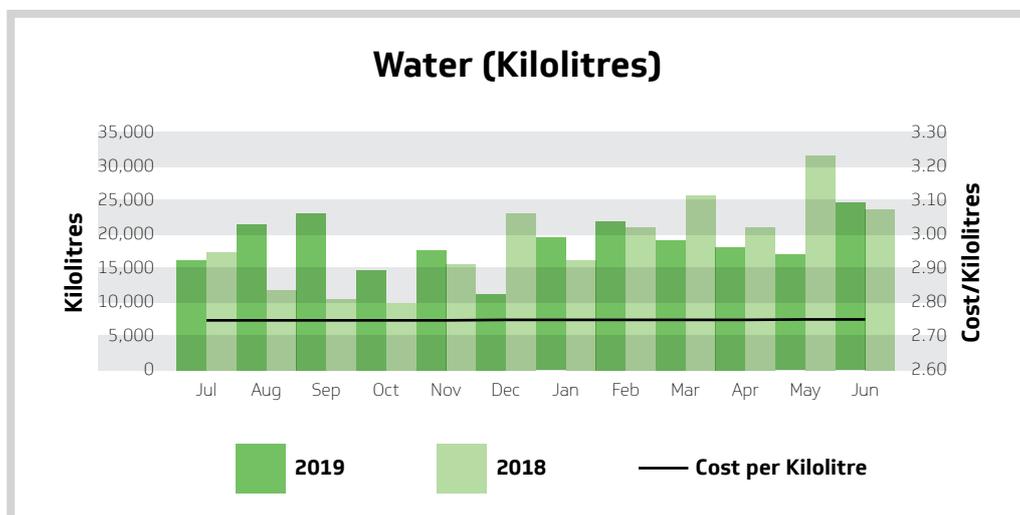
Trend

Water usage is down 1.2% from 2018 to 2019 mainly due to continued maintenance of facilities, closure of old facilities being replaced by newer, more efficient sites



What's next

Two new sites in 2020 that will replace existing sites will be fitted with the most efficient cooling towers and will also be fitted with water tanks to capture rain water for sanitary purposes.



Waste Management



The waste produced by the distribution centres is mainly packaging waste such as cardboard, filming plastic, wood and food waste.

Waste produced



20,395 tonnes



13,597 families

Trend

Bidfood produced 3% less waste than in 2018. It is believed that the encouragement of operations to reuse boxes, use less pallets and control the use of single use plastics is the reason for this reduction.



What's next

The continued focus on cost control, recycling and reuse remains a priority. Bidfood works with suppliers to minimise packaging and to choose packaging that is biodegradable and/or organically based.

Total Waste (Tonnes)

