Optimising Power @ Work

Monthly Energy Report

IT Sligo

February 2019

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Sligo

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Annual energy performance overview

Energy consumption in this building has reduced by 14% since joining the Optimising Power @ Work campaign in 2015.

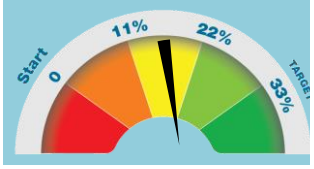
The total annual unit consumption of energy has decreased from 6,975,820 kWh to 5,979,332 kWh.

Electricity consumption on site has reduced by 13%. The number of units of electricity has decreased from 3,323,238 kWh to 2,905,429 kWh.

Oil consumption on site has reduced by 16%. The number of units of Oil has decreased from 3,652,582 kWh to 3,073,903 kWh (HDDC).

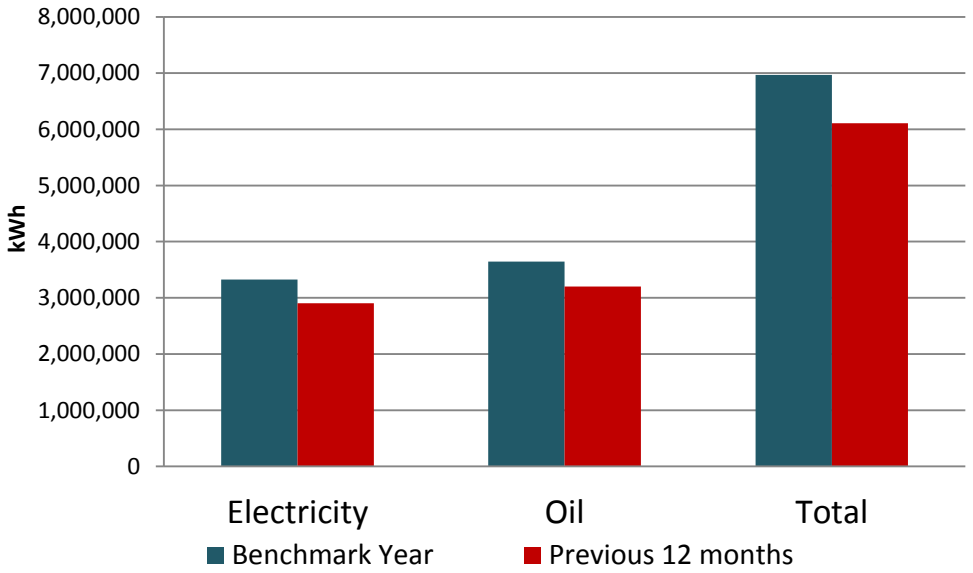
Total energy savings for this building:

14%



The Optimising Power @ Work campaign in the Central Government buildings has achieved average ANNUAL SAVINGS of 21% across 300 participating buildings, making it the largest and most successful campaign of its kind in Ireland.

Annualised energy usage

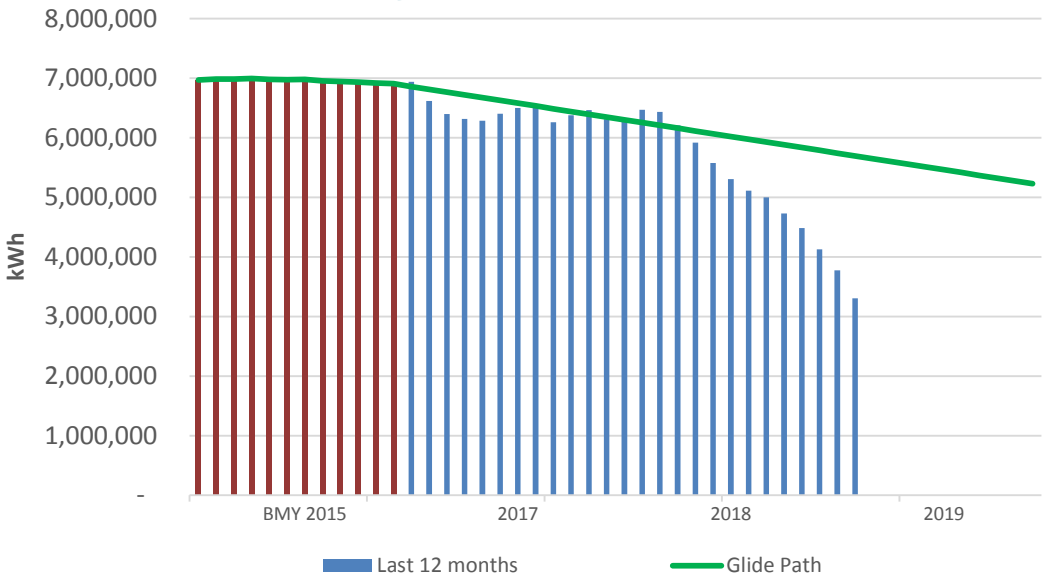


Description	Electricity	Oil	Total
Benchmark Year	3,323,238	3,652,582	6,975,820
Previous 12 Months	2,905,429	3,073,903	5,979,332
% Difference	-12.6%	-15.8%	**-14.3%**

The average energy savings across all buildings in the Optimising Power @ Work campaign is:

19%

Monthly CuSum Performance



Since the Benchmark Year a -996,489kWh saving was seen onsite

CuSum is a sequential analysis technique used for monitoring change detection. As its name implies, CuSum involves calculation of a cumulative sum of consumption. By using this, any change over the last 12 months can be seen every month and will help identify any issues on site.

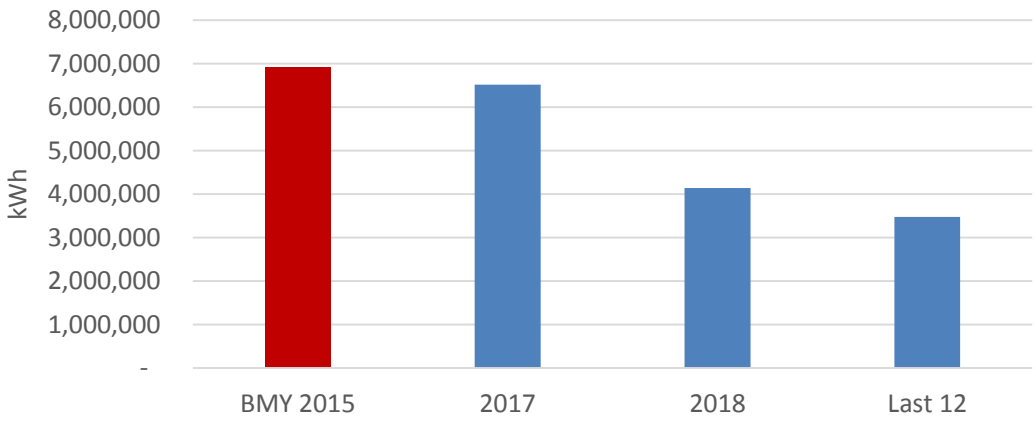
Performance over the last 6 months:

Month	Electricity	Oil	Total	% Change
Feb 2019	2,905,429	3,196,175	6,101,604	-12.5%
Jan 2019	569,419	3,258,905	3,828,323	-45.2%
Dec 2018	799,209	3,341,657	4,140,865	-40.7%
Nov 2018	1,101,312	3,339,083	4,440,394	-36.5%
Oct 2018	1,390,960	3,286,133	4,677,093	-33.0%
Sep 2018	1,621,710	3,359,109	4,980,819	-28.6%

This saving is enough to power199 Irish homes annually

Optimising Power @ Work aims to contribute towards the 33% energy reduction target for the public sector in Ireland, reducing carbon emissions and cutting energy bills for each participating organisation.

Annual Consumption

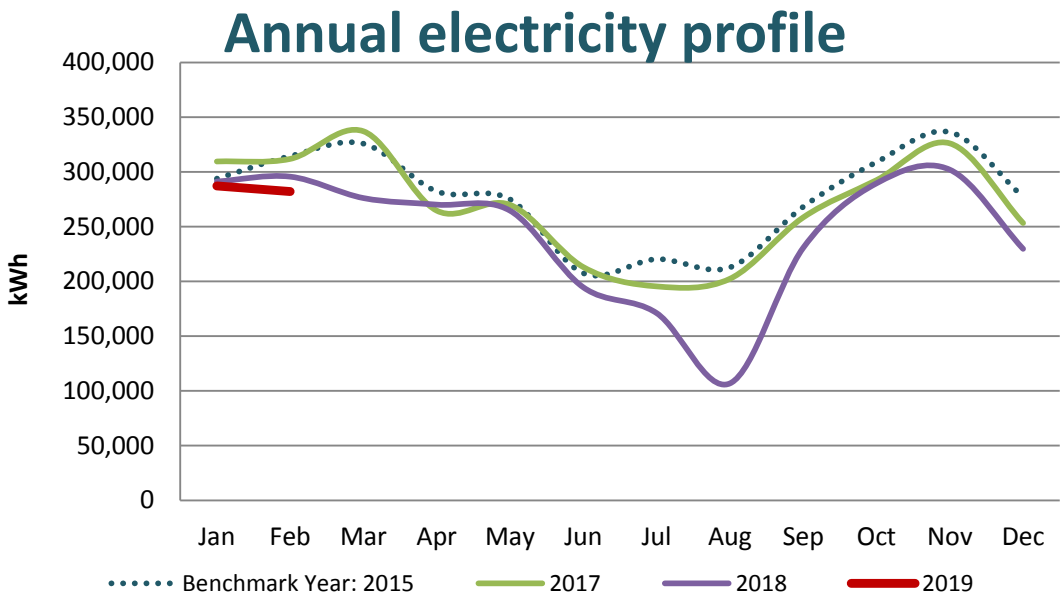


Electricity profile

Annual electricity consumption in this building has been reduced by 13% since joining the Optimising Power @ Work campaign in 2015.

The total annual unit consumption of electricity has decreased from 3,323,238,kWh to 2,905,429kWh.

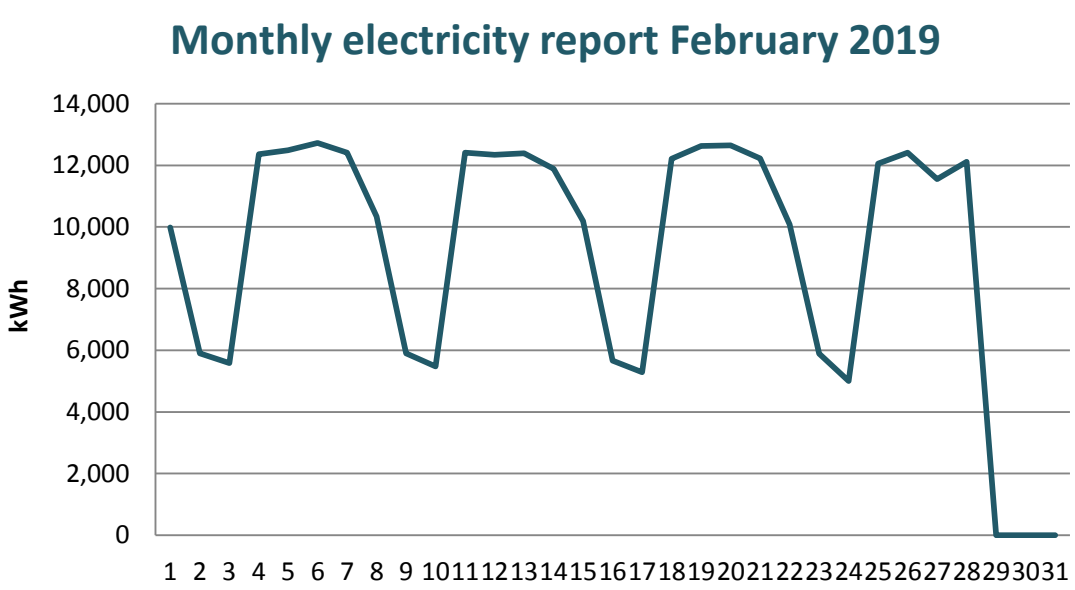
Monthly comparison data shows that February 2019 electricity consumption is 10% lower (32,318 kWh) than February 2015.



13%

Less electricity used

Turning off a single five-foot fluorescent tube light that's normally left on during the working day saves 79kg of CO2 over a year. That's the amount of CO2 produced by driving from Dublin to Dundalk FIVE TIMES.



Out of hours electricity consumption can account for 50% of the total

Fuel profile

Annual Oil consumption in this building has reduced by 16% since joining the Optimising Power @ Work campaign in 2015 (HDDC).

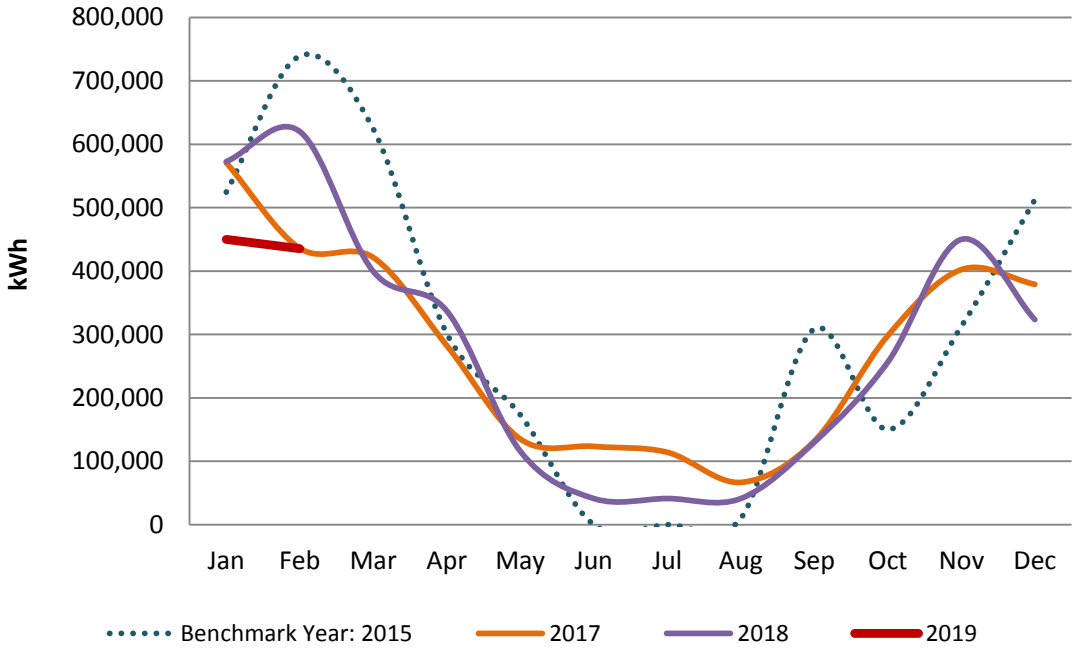
The total annual unit consumption of Oil has decreased from 3,652,582kWh to 3,073,903kWh (HDDC).

Monthly comparison data shows that the February 2019 fuel consumption is 41% lower (303,862 kWh) than February 2015.

16%

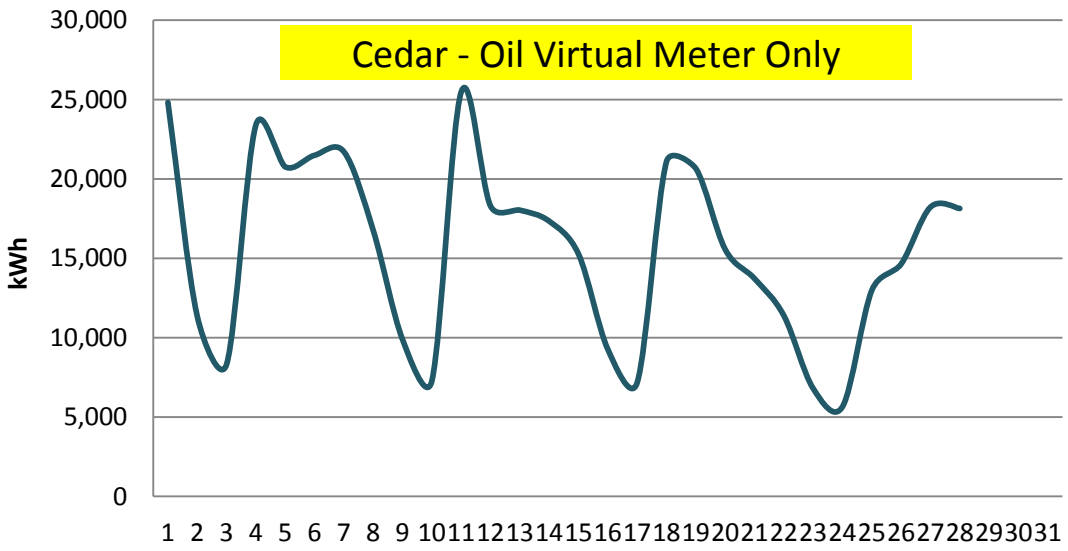
Less fuel used

Annual fuel profile



Turning up a room thermostat will not warm up a room faster but it can result in OVERHEATING and wasted energy.

Monthly Oil report February 2019

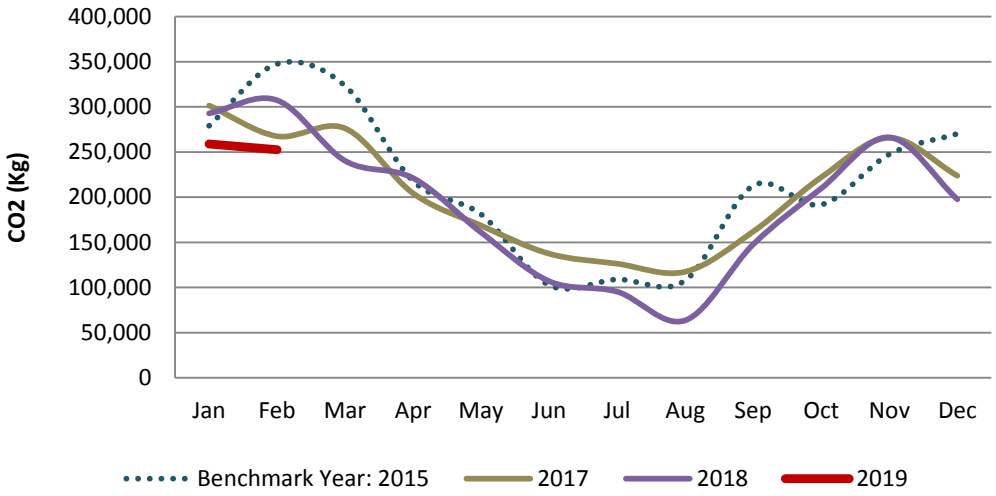


Carbon dioxide emissions

Compared to the base year of 2015 the carbon emissions over the last twelve months have reduced by 14%.

Monthly comparison data shows that the February 2019 CO2 Emissions are 27% lower (95 Tonnes) than February 2015.

Total annual emissions profile



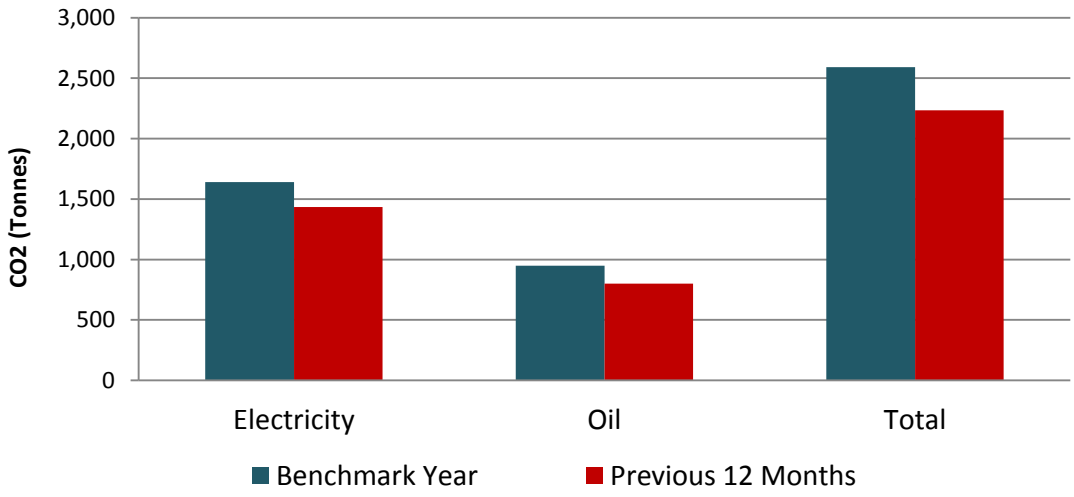
14%

Less carbon emissions

Compared to Benchmark

Posters can act as a USEFUL REMINDER of the energy-efficient actions required to make progress towards your target – particularly if they are placed in areas where staff spend some time, such as at printers and photocopiers, toilets, breakout areas and lifts.

Annualised tonnes of C02 emitted



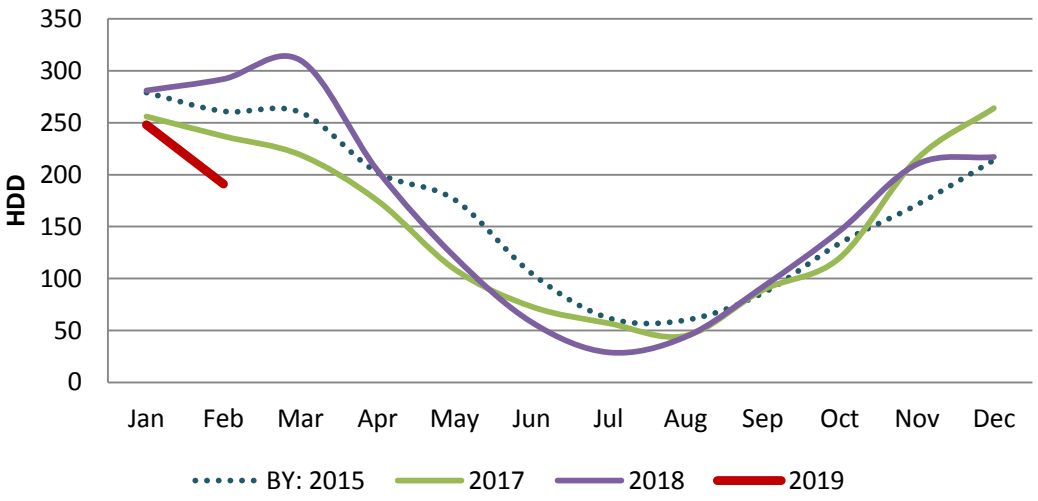
Now 2018 is officially the hottest year on record, some 1.1°C above pre-industrial levels and 0.83°C above the long-term average.

Description	Electricity	Oil	Total
Benchmark Year	1,642	950	2,591
Previous 12 Months	1,435	799	2,234
% Difference	-12.6%	-15.8%	-13.8%

Weather Correction Overview

Heating degree day (HDD) is a measurement designed to measure the demand for energy needed to heat a building. HDD is derived from measurements of outside air temperature. The heating requirements for a given building at a specific location are considered to be directly proportional to the number of HDD at that location. The highter the HDD value the colder it is.

Heating Degree Day Profile Belmullet



Degree Days
February 2019

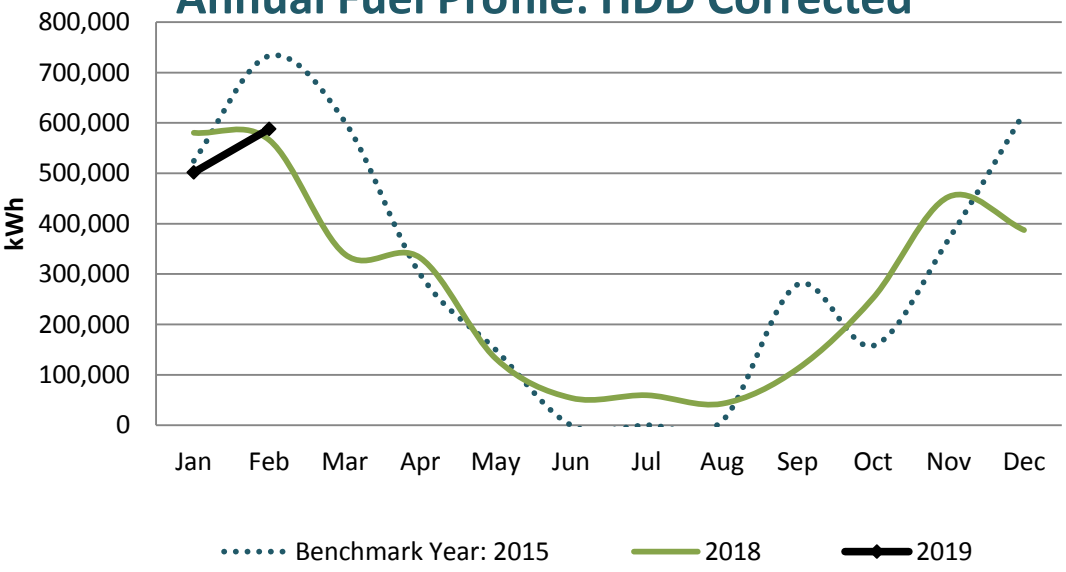
191

Degree Days
February 2015

261

A focus on switching off before holiday periods can reap rewards. You could even develop a HOLIDAY POWER DOWN check list.

Annual Fuel Profile: HDD Corrected



Your Optimising Power @ Work ENERGY ADVISOR is here to provide you with support. So if you need any help using the campaign materials or with staff engagement in general, please contact them.