



CASE STUDY

SSE GREEN

FROM FARM TO FORK RENEWABLE ENERGY

Diners at The Warren can eat their greens, Welsh produce and coffee prepared with 100% green energy.

Deri Reed opened his Carmarthen café and restaurant in 2016 with strong sustainable and ethical goals. He felt the need to lead by example and looked into switching to green energy.

Deri says: "I rang my broker, Farmers Energy, who said 'we can switch you over to 100% renewable electricity and gas' and when I worked out how much it would cost I thought: let's just do it." The Warren now runs on green electricity and gas from SSE Energy Solutions.¹

"I was shocked at how little extra green energy would cost. I think if more businesses knew how easy it was to switch, it'd be a no-brainer."

Deri Reed || The Warren Owner and Executive Chef



KEY FACTS

FACTS ABOUT THE WARREN



Operations
Hospitality



No. of employees
10

The challenge

Powering a busy, compact kitchen and dining area at The Warren, a multi-award-winning, sustainably driven café and restaurant in Carmarthen.

The solution

100% renewable SSE Green Electricity from SSE's wind farms and hydro power stations¹ and SSE Green Gas Plus from sources like agricultural materials, food waste and wastewater.



For a better world of energy

Tackling the climate change crisis, one dish at a time.

"Sustainability is at the forefront of what we're doing," says Deri, who was the Sustainable Restaurant Association's (SRA) Chef of the Year 2019/20. "The SRA helps us with writing policies, training our staff and so on."

Sustainably driven sourcing

This sustainable drive extends to The Warren's supply chain. "We're choosing to work with companies and local businesses that have similar ethics to ourselves," says Deri.

"I'm continually making changes to try to make The Warren as sustainable as possible, and I want to work with others who are doing the same."

"We buy a lot of our produce from independent, small, organic wholesalers and cooperatives. The cooperative that we buy our staple ingredients from runs its hybrid trucks on biodiesel. I'm environmentally conscious about everything that we do, and energy is a big contributor to our impact on the planet."

The Warren's customers can be confident that they're supporting an eco-conscious business. Certificates verify SSE Green's source traceability, matching the renewable energy to the restaurant's usage from the national grid.

Deri says: "I want to work with people who are looking further down the line at what they can actually do to make the necessary changes. The world isn't perfect but that's what we need to work towards."

"Small businesses are the backbone of the UK economy and have a huge role to play as we work together to power change. It's great to work with innovative small businesses on achievable solutions that make a real difference."

Nikki Flanders || SSE Energy Customer Solutions Managing Director



AS A GROUP, SSE HAS SET SCIENCE BASED TARGETS TO CUT ITS CARBON EMISSIONS



Increasing our renewable energy output to **30TWh** a year by 2030



That's enough to power nearly **280,000** gastro-pub kitchens for a year²



And avoid more than **11 billion** metric tons of CO₂ emissions compared to 30TWh energy generation from natural gas³



Providing clean, green, **100% renewable** electricity backed by REGOs



Helping the UK reach **net zero** greenhouse gases by 2050



An energy-efficient, low-waste restaurant

Deri has made changes to reduce The Warren's carbon footprint. He says: "The restaurant industry is incredibly energy-hungry and can be very wasteful if it's not monitored, so we have a few practices on site to reduce that as much as we can." These include composting waste food, reusing cardboard in the garden, installing LED lights and controlling heating.

The Warren is upgrading to energy-efficient equipment too. "We've invested in an electric triple-glazed oven, which has helped to cut our energy bills down drastically from using a gas oven," says Deri. "It's also made life in the kitchen more comfortable for our chefs as it doesn't heat the whole room up. There are other things that we can look at changing when the time comes, like potentially moving our gas hobs or boiler system to electric."

"Saving energy is not all around money; it's about being conscious of how much we're consuming, and not letting it get out of hand."

A KITCHEN'S CARBON FOOTPRINT

Commercial kitchens can use 10 times the energy of an average commercial building. Here's an example of how a gastro-pub consumes electricity and gas.²



■ Cooking 42% ■ Refrigeration 28% ■ Air handling 13%
 ■ Lighting 10% ■ Warewashing 4% ■ Other 3%

If all the UK's 128,605 restaurants, pubs, cafés, bars, takeaways and mobile food traders⁴ optimised their energy usage, it would make a significant contribution to the country's net zero emissions target.

FOR A BETTER WORLD OF ENERGY

Get in touch to talk about growing your business with green energy.

|| info@ssebusinessenergy.co.uk || 0800 389 4466 || ssebusinessenergy.co.uk

1 All our renewable electricity is sourced from wind and hydro assets wholly or partly owned by SSE Renewables, our sister company in the SSE Group. With SSE Green Electricity, you'll continue to get your electricity through the national grid as normal, and we'll match your consumption to REGOs from the SSE Group's generating assets. 2 Electricity Use in the Commercial Kitchen, S. Mudie, E.A. Essah, A. Grandison, R. Felgate reading.ac.uk/web/files/tsbe/Mudie_TSBE_Conference_Paper_2013.pdf. 3 Calculated using BEIS Fuel Mix Disclosure Data Table 2019-20 gov.uk/government/publications/fuel-mix-disclosure-data-table. 4 Inter-Departmental Business Register (IDBR), 13 March 2020 ons.gov.uk.

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