

Thanet District Council



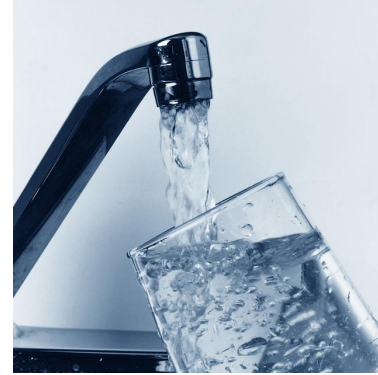
Climate Change to 2023

CC CAG Monday 9 October

Dr Hannah Scott

Updates 2021- 22: Housing and planning

Solar pv
and
energy
efficient
social
housing



Planning
stipulations:
110L in TDC
policy instead of
the standard
125L

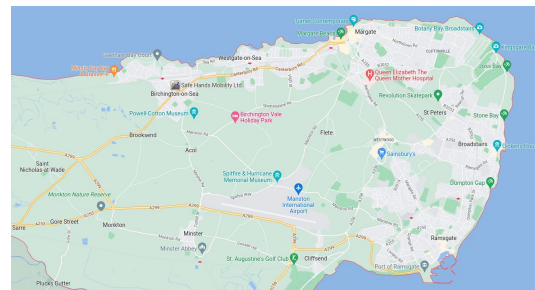
Planning
stipulation:
ev charging
points must
be installed
for every 10
units built



Planning
stipulation:
Biodiversity
Net Gain

Fleet and Facilities

Low emissions waste carrier vehicles (although still diesel)



Reduced routes to reduce diesel use

Starting to install LED lighting in offices and motion sensors

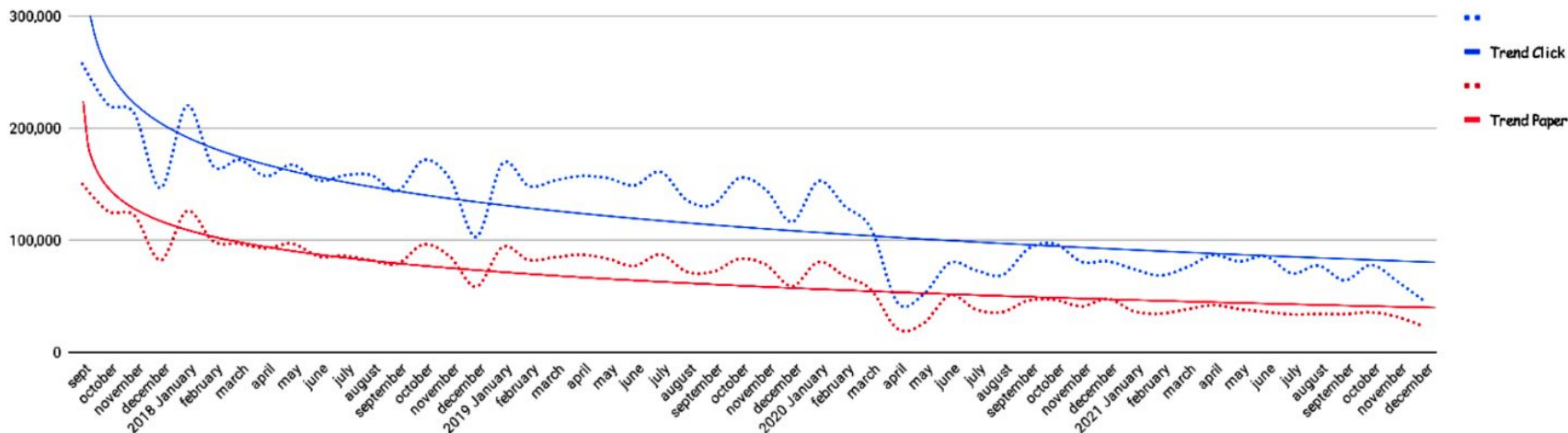


No plastic cups in offices or meeting rooms

Reduced paper use

Paper use and cost of printing has decreased from £190k in 2013- 2017 to £76k in 2017 - 2022, due to reduced printing and use of google docs.

CLICK AND PAPER NEW PRINTERS



Comms team

The comms team has supported all climate change and biodiversity initiatives, through pieces in the residents' newsletter Wave, internal newsletters, social media and in the local papers.

Reducing your carbon footprint in 2021!



Are you still undecided on your resolutions for the year? How about pledging to reduce your carbon footprint - it will help the planet, may save you money and make you healthier!

Your carbon footprint is made up of the food you eat, how you heat and power your home, how you travel and what you spend your money on. **Here are some suggestions of the types of pledges you can make:**

FOOD

Food is about a quarter of your carbon footprint. (It is 26% of the world's total greenhouse gases). The single biggest way to reduce your impact right now is to reduce your meat and dairy intake. Pledge to:

- Eat less meat, especially beef and lamb as these animals produce methane (a strong greenhouse gas). Also, agriculture, especially the meat industry, is responsible for 80% of worldwide deforestation.
- Learn some vegetarian/vegan recipes and increase the fruit and veg in your diet
- Always make a shopping list and meal plan before you go shopping to avoid food waste



HOME

The electricity and gas we use to power and heat our homes produces about a quarter of our greenhouse gas emissions which make up our carbon footprint. Pledge to:

- Change to a 100% renewable electricity supplier
- Investigate installing (more) wall and roof insulation for a better insulated home (contact our home energy officer for assistance with funding opportunities energysaving@thanet.gov.uk)
- Turn off appliances/heating/lighting/gadgets when not using them.



TRAVEL

Everytime we get into a vehicle (unless it is fully electric and the electricity comes from renewable sources) greenhouse gases are produced. Pledge to:

- Walk/cycle where possible and get fit!
- Adapt your future commute to be car free.
- Pledge to reduce your future flying (flightfree.co.uk)



PURCHASES

Energy and emissions go into producing every new product and item, so buying new things comes with a high carbon cost. Pledge to:

- Always consider if you really need to purchase an item before you buy it.
- Hire/borrow items e.g. gardening/DIY tools
- Share items between neighbours/family members e.g. puzzles/computer games/tools.
- Buy pre loved items from charity shops or social media groups (e.g. [Freecycle.org](http://freecycle.org))
- Refrain from buying something for a month or even a whole year e.g. pledge to not buy brand new clothes (apart from underwear maybe!).



Air quality and transport

Thanet's air quality meets all the UK standards now.

Fast charge ev charging points have been installed at Market Street Margate and Albion Rd, Birchington and additional funding was sought and won.

Policies have been added to the local plan to reduce reliance on cars e.g. ensuring developments will be close to train stations or on cycle and bus routes.



Home Energy Officer

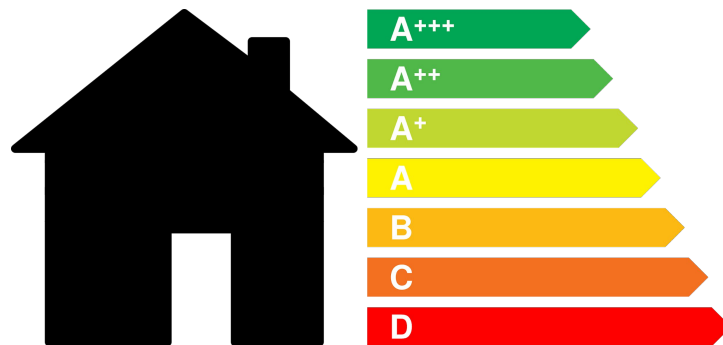
Help email for anyone concerned with their bills:

energysaving@thanet.gov.uk

Or there is a contact form on the website:

<https://www.thanet.gov.uk/info-pages/energyinthehome/>

Advice on grants, schemes and funding for retrofitting insulation and energy efficiency measures.



Climate Change Officer

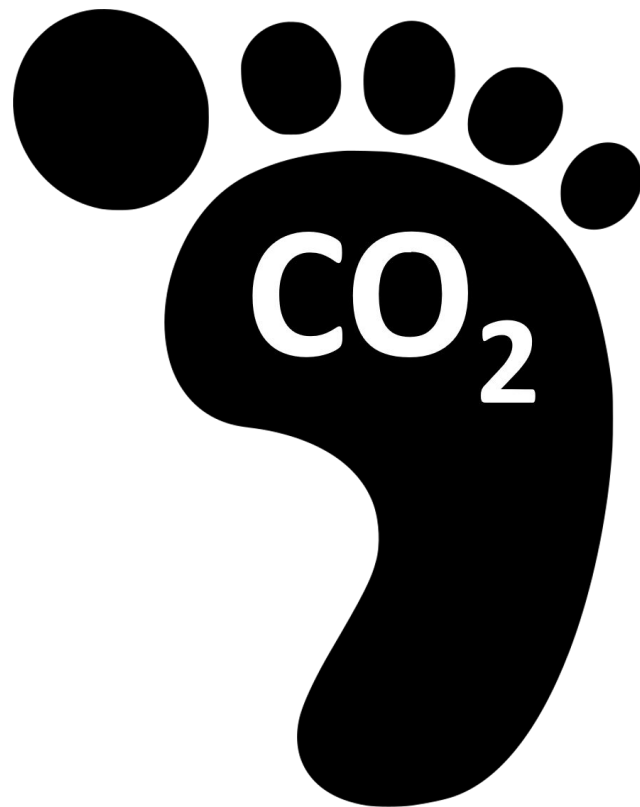
Climate change advice and guidance

Calculating our carbon footprint

Coordinating climate changes communication

Creating a Net Zero Strategy and Action Plan

Working on tree and biodiversity action.



Tree planting



George V park, Margate

A small green was transformed into a biodiverse area which can hold large volumes of surface water during downpours. These dipped areas turn into ponds and prevent overwhelming the combined sewage system.



Litter Education Officer

Works with schools and community groups

Organises activities for the community and council

Runs the sustainability forum for local groups interested in litter picking including Rise Up Clean Up.



Thanet Coast Project

Online seashore safaris during the pandemic

Engaged over 5000 people in 2021

Thanet Coast volunteers spent over 1400 hours monitoring our coastline



Wildflowers



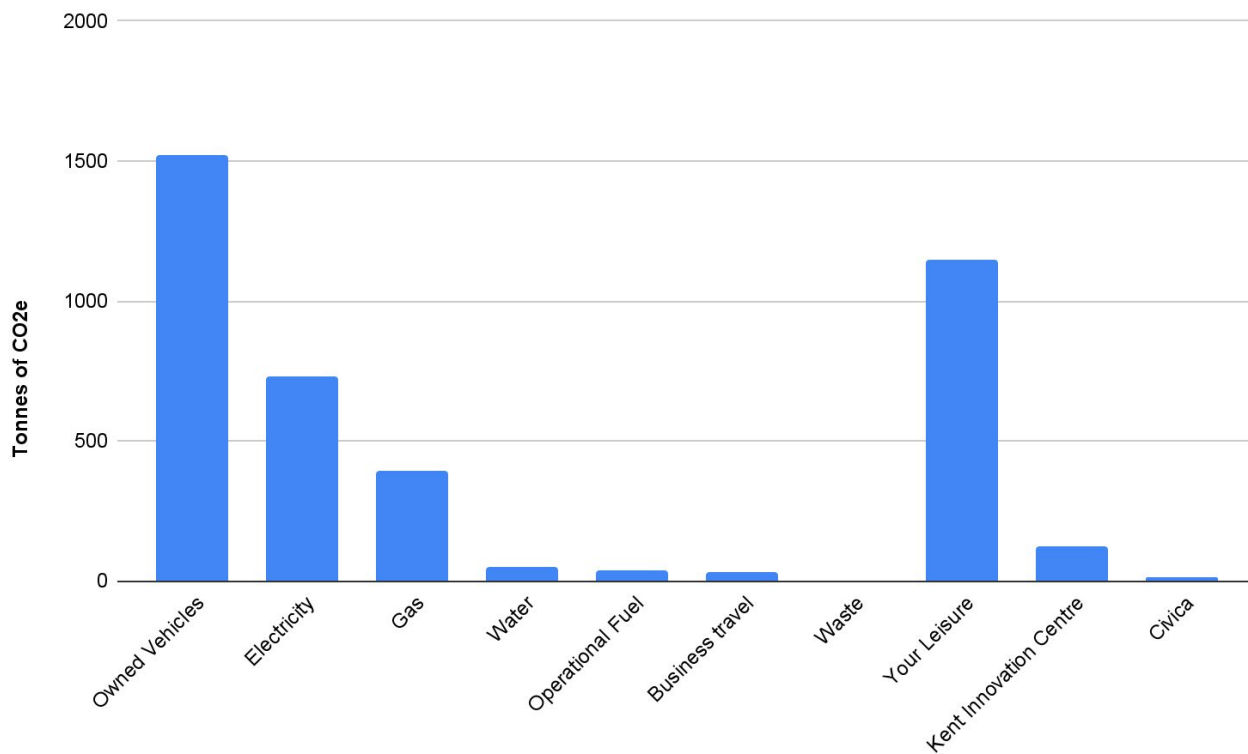
E.g.
Lymington green,
Westgate
and Tivoli
Park,
Margate,
Ramsgate
Cemetery.

Birdwise project

Protecting the daring dozen along our coastline



2022- 23 - TDC core carbon footprint



2030 pledge

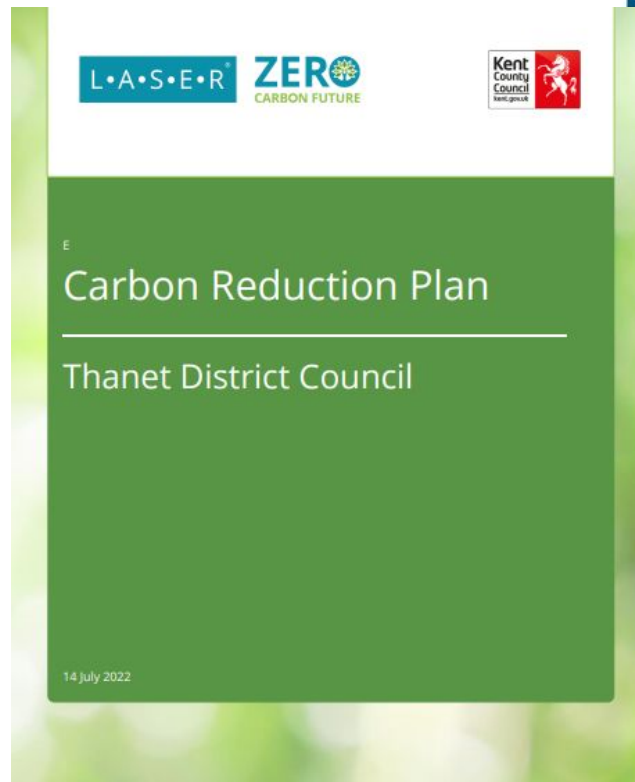
We pledge to do what is within our powers and resources to:

- make Thanet District Council net zero by 2030 in our core carbon footprint.

TDC carbon reduction plan lays out the route to net zero.

A new Net zero Directors group was set up to specifically address the core emissions and aim for net zero by 2030.

There is a electric fleet group and will be an estates group which feeds into the Net Zero Director group.



Progress and Issues: Fleet

- Budget: We have money to purchase available electric vehicles < 7.5 tonnes over the next three years in the budget.
- Charging points - Moving forwards with installing charging points at the depots
- Waste carrier vehicles: The main issue is the mileage the bin lorries need to do. Currently there are no electric alternative on the market that can do the mileage. We are investigating all options including hydrogen.

Progress and issues: Decarbonisation of offices

Boilers are coming to the end of life at Cecil and KIC and we will not reach net zero if we replace like for like.

A New Estates Decarbonisation Officer will be in post by October who will investigate all funding streams to move forward with this work.

Hoping to win the Swimming Pool Fund to install solar pv on the leisure centre roofs.



Full TDC pledge

We pledge to do what is within our powers and resources to:

- make Thanet District Council net zero by 2030 in our core carbon footprint (this includes emissions we have direct control over e.g. the estates and activities that we own and manage)
- **address emissions that TDC has partial control over (those outside of the core carbon footprint e.g. projects, procurement and social housing) as soon as possible, and by 2050 at the latest.**
- **support KCC, the Government, business, industry and the community to make Thanet as a whole net zero by 2050.**

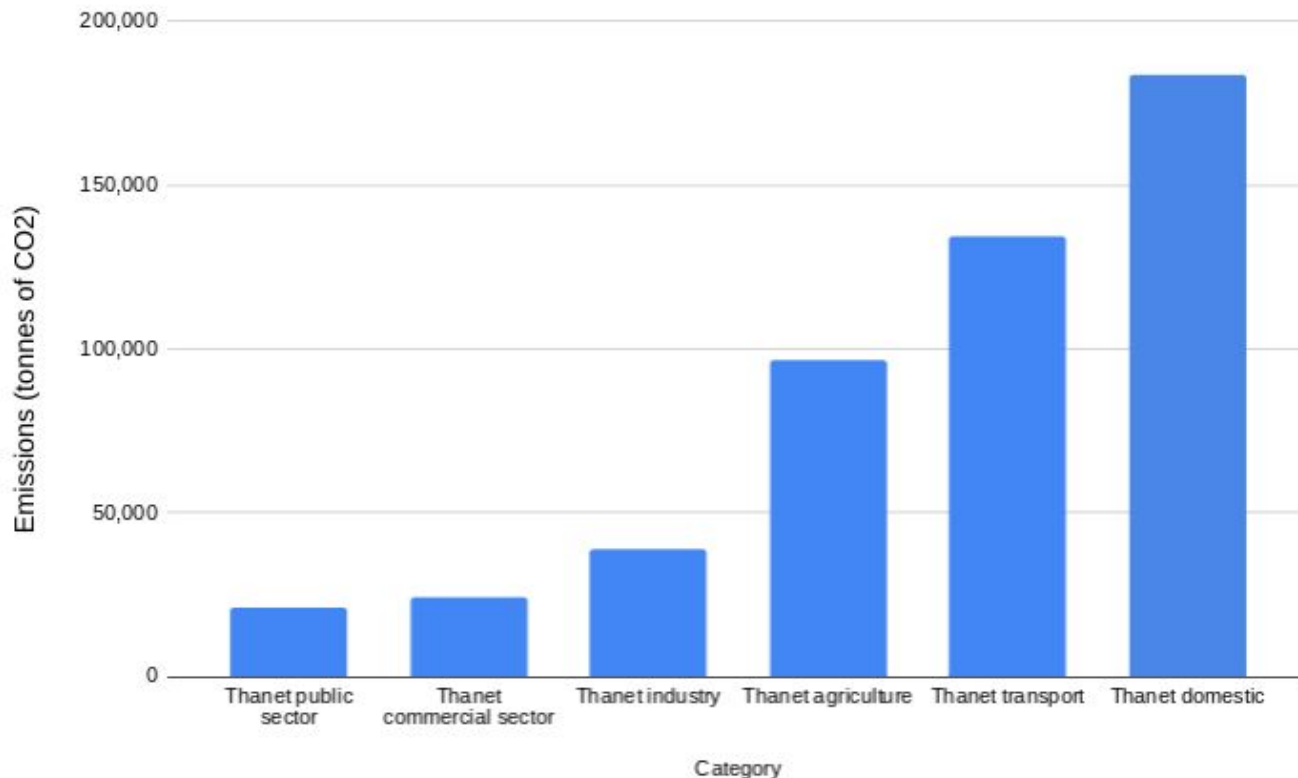
Wider TDC emissions

- Emissions within our spending - 3.5k tonnes of CO₂e.
- **Progress:** Added 5% climate change weighting to all procurement.
- Emissions produced from social housing tenants: 9k tonnes (4.9% of all housing in Thanet).
- **Progress:** The Housing team has published an excellent Social housing net zero strategy called Journey to Net Zero including the aim of reaching EPC C in all social housing by 2030.

Progress: Currently adding climate change as a consideration in all cabinet reports.



Thanet wide emissions



Greatest emissions from transport and residential

Regulatory Services
Manager and Strategic
Planning Manager:
Address Transport and
Air Quality.

Sustainable Energy
Projects Lead :
Retrofitting homes

Net zero strategy



Net zero action plan is progressing well. Managers will input into the next Net Zero Action plan.

UN secretary general

The era of global warming has ended and “the era of global boiling has arrived”

“Climate change is here. It is terrifying. And it is just the beginning,”

“It is still possible to limit global temperature rise to 1.5C [above pre-industrial levels], and avoid the very worst of climate change. But only with dramatic, immediate climate action.”

Full speech [here](#).



Step changes

Policy paper

Valuation of greenhouse gas emissions: for policy appraisal and evaluation

Published 2 September 2021



- A cross government review took place in 2020/21. It found that the decisions process relied too heavily on cost benefit and that this placed too much weight on benefits which could be easily assigned a monetary value. Insufficient weight was being given to whether the proposed project addressed strategic policy priorities.
- **Social carbon value: represents a monetary value that society places on one tonne of carbon dioxide equivalent released or reduced (£/tCO₂e): cost of flash floods, heatwaves and deaths.**
- Incorporating a value of carbon into the appraisal of projects and policies ensures proper account of greenhouse gas emissions across government

Cost of carbon on society

See here for the
policy:<https://www.gov.uk/government/publications/valuing-greenhouse-gas-emissions-in-policy-appraisal/valuation-of-greenhouse-gas-emissions-for-policy-appraisal-and-evaluation>

Annex 1: Carbon values in £2020 prices per tonne of CO2

Year	Low series	Central Series	High Series
2020	120	241	361
2021	122	245	367
2022	124	248	373
2023	126	252	378
2024	128	256	384
2025	130	260	390
2026	132	264	396
2027	134	268	402
2028	136	272	408
2029	138	276	414
2030	140	280	420

Number of increased deaths due to emissions

Paper in Nature communications: **The mortality cost of carbon**

This paper summarises: Adding 4,434 metric tons of carbon dioxide in 2020 causes one excess death globally in expectation between 2020-2100.

Paper can be found here: <https://www.nature.com/articles/s41467-021-24487-w>

Fossil fuels

Fossil fuels – coal, oil and gas – are by far the largest contributor to global climate change, accounting for over 75 per cent of global greenhouse gas emissions and nearly 90 per cent of all carbon dioxide emissions.

<https://www.un.org/en/climatechange/science/causes-effects-climate-change>

Major fossil fuel companies routinely make billion-dollar profits, extracting and distributing oil, gas, and coal. Union for concerned scientists:

“Instead of acknowledging the harmful effects of their products and committing to swift and deep reductions in global warming emissions, many of the world's largest fossil fuel companies have knowingly deceived the public about the climate science and policy—and they continue to do so today”. <https://www.ucsusa.org/climate/accountability>.

National Geographic - 1988

Back in 1988, scientists knew that the ecosystem was collapsing and caused by us.



Scientist explained that rich countries were causing climate change by overconsumption.

Fossil Fuel companies knew their product causing climate change. We have wasted all of this time.

Now is the time

The answer is straightforward

SMOKING → companies promoted as health giving → correct information became available → knowledge

CFCs → hole in ozone layer → stop using CFCs

Fossil fuels → CO₂ → global heatwaves, fires, flash flood and death → ?

Stop using fossil fuels → renewable industrial revolution

Thank you for listening

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