

Thames Water hopes £37m investment will end record sewer flooding

9 April 2025



Thames Water has said it will spend £37m upgrading its Mole Valley network raising hopes it could spell the end of homes, gardens and rivers being flooded with sewage waste.

The private utility company came in for heavy criticism for the “damage it has inflicted” despite huge profits and shareholder payouts while its pipe network falls into disrepair during the latest scrutiny committee meeting at Mole Valley District Council.

However, it hopes investment projects in Dorking, Earlswood, and Horley will increase its ability to manage storm flows, treat more waste water, and prevent “effluent” flooding rivers and waterways.

The investment was welcomed as a step in the right direction but many at the meeting aired their disappointment with the firm for letting the situation get this bad.

Last year, Thames Water spent 13,101 hours pumping sewage into the River Mole and its tributaries according to new government data seen by the MP - an increase of 10.9 per cent despite there being less rain.

Speaking after the meeting, the Dorking and Horley MP, Chris Coghlan, described the record as “simply unacceptable” but has since had assurances from Thames Water and environmental regulators that “long overdue” upgrades were on the way

He said: “For years, the entire water industry has been poorly managed and woefully under-regulated.

“To expect hard-pressed customers to now pick up the tab for 35 years of under-investment by Thames Water, while the company continues to flood my constituents’ homes and gardens with disgusting sewage is shocking.

“The Government and Ofwat have a duty to hold the water companies to account”, he said, adding that the regulator needed to be replaced with a body that would “will make Thames water pay up for the damage it has inflicted.”

In Dorking, Thames Water is putting £16m into new storm tanks to treat incoming sewage and reduce dumping of untreated waste.

At its Earlswood site, just outside Mole Valley, it will increase treatment volumes from 340 to 440 litres per second, helping to prevent effluent going into the river - and what does will be of a higher quality.

Horley will benefit from upgrades to improve performance in wet weather.

Councillor Stephen Cooksey, leader of Mole Valley District Council told the meeting: “The question that flows through my mind is, although you can’t answer it tonight, is how as a responsible company you’ve allowed your infrastructure to get into such a dreadful condition?”

Thames Water’s Alice Keeping described the £37m as “a substantial amount of money that we are going to invest going forward”.

A Thames Water spokesperson said: “In 2024 parts of our region experienced some of the wettest months in 250 years. This overwhelmed our sewer network which resulted in diluted wastewater being released into rivers. While all storm discharges are unacceptable, the sewage systems were designed in this way to prevent sewage backing up into people’s homes.

“Over the next five years we will deliver a record amount of investment across our network.

“We continue to execute our plans to upgrade over 250 of our storm overflows to reduce the number of storm discharges including at our sites in Crawley and Horley.

Esher Mill Road overflow sewage site (image Chris Caulfield)

Surrey Uni leads microbe recycling of lithium

batteries

9 April 2025



A microbial electrochemical technology capable of recovering 90-95% of lithium from spent lithium-ion batteries has been developed by scientists at the University of Surrey.

The breakthrough offers a more sustainable and cost-effective alternative to conventional recovery methods and could be expanded to reclaim other valuable battery metals, like cobalt.

Funded by the Biotechnology and Biological Sciences Research Council (BBSRC), the BioElectrochemical Lithium rEcoVErY (BELIEVE) project set out to tackle one of the biggest challenges in lithium-ion battery recycling - reducing the environmental and economic costs.

Professor Claudio Avignone Rossa, Professor of Systems Microbiology at the University of Surrey and principal investigator on the project, said:

“Lithium-ion batteries power so much of our modern technology, from phones to electric vehicles, but current recycling processes remain energy-intensive, costly and inefficient. Our goal was to develop a bioelectrochemical system (BES) that uses microbial electrochemical technology to extract high-purity lithium from used batteries - which is currently very difficult to do.”

Traditional methods recover small amounts of lithium, sometimes as little as 5%, while more advanced techniques achieve higher yields but rely on corrosive chemicals.

Professor Jhuma Sadhukhan, Professor of Engineering and Sustainability at the University of Surrey and co-lead on the project said:

“This project is timely due to stringent legislation for material security, particularly tech-metals like lithium. With this respect, extraction-precipitation, electrosynthesis and crystallisation have been tried to recover lithium from brines; however, the methods have posed specific challenges, including low recovery of lithium compounds.

“Biotechnology-based biorefining is needed to close the LIB loop and thereby improve product grades and recovery rates, process robustness, social justice, economic returns, health, safety, environment and legislation. In this research, we optimised a biological system to recover high purity lithium from industrial black mass, a used lithium-ion battery material after thermal and mechanical processing, separating aluminium and iron.”

Dr Siddharth Gadkari, Lecturer in Chemical Engineering at the University of Surrey and co-lead on the project, said:

“By harnessing specially selected microorganisms to transfer electrons and extract lithium, we have developed a cleaner, more sustainable approach that dramatically reduces reliance on harmful chemicals.

“Our next steps will focus on proposals to expand the technology to recover and separate all valuable metals from batteries, including high-value cobalt, nickel and manganese. While challenging, this is a crucial step toward establishing a truly circular battery economy.”

Developing a scalable process that efficiently recovers lithium, cobalt and other valuable metals will not only reduce waste but also lessen dependence on environmentally damaging mining practices.

It also closely aligns with EU Green Deal 2020 regulations, which aim for a 65% recycling efficiency for lithium-ion batteries and a 70% material recovery rate for lithium by 2030. Similar regulations are anticipated in the UK, underscoring the significance of the BELIEVE project’s contributions to sustainable technology and resource management.

The team now plans to put forward new proposes to explore how they can recover all metals from lithium-ion batteries.

Surrey company wins award for solar installation at Ewell’s Bourne Hall

9 April 2025



Ewell’s largest landmark, **Bourne Hall**, is known for its distinctive modernist architecture and striking glass dome, making it a uniquely challenging site for the integration of renewable technology. A new solar installation, commissioned by **Epsom & Ewell Borough Council** to reduce carbon emissions and lower energy costs, has since earned **Titan Eco** the **Small Scale Project (<£250k) Award** at the **London Energy Efficiency Regional Awards 2025**.

Cllr **Liz Frost** (RA Woodocote and Langley), Chair of the Council’s Environment Committee, described it as:

“Part of a series of works that will make this picturesque and historical landmark more sustainable for future generations.”

Key outcomes:

- ~45,000 kWh generated annually
- Estimated £15,000 yearly savings
- Over 9 tonnes of CO₂ saved each year

Surrey-based **Titan Eco** delivered the installation in collaboration with **WC Evans & Sons Ltd**, who designed and installed the bespoke steel framework supporting **116 DMEGC all-black bifacial solar panels**. As Titan Eco’s preferred supplier, **DMEGC** is known for the consistent quality of its panels and its transparent, responsibly sourced supply chain - aligning with Titan Eco’s commitment to ethical procurement.

Sam Tilley, Managing Director of Titan Eco, said:

“Bourne Hall is a great example of how solar can be integrated into a historic site without compromising its character... Knowing the system is in place and making a real difference is particularly meaningful.”

Titan Eco has also delivered solar installations at several other notable community sites, including the **Rainbow Leisure Centre, Epsom Playhouse, St Giles & St George’s Church**, and **Ashted Peace Memorial Hall** - demonstrating an ongoing commitment to supporting public and community buildings on their journey to net zero.

Tita Eco

Related report:

[Epsom and Ewell’s solar powered spaceship](#)

Surrey leads lateral thinking about vertical farming

9 April 2025



Can vertical farming be the key to improving and safeguarding the United Kingdom’s food system? This is the central question behind a new research project led by the University that has been awarded £1.4 million by UK Research and Innovation (UKRI).

The Vertical Farming to Improve UK Food System Resilience (VF-UKFSR) project will investigate how vertical farming can improve the country’s supply of nutritious leafy greens, essential for a healthy diet.

Vertical farming is a method of growing crops in stacked layers, often indoors, using controlled environments. Unlike

traditional farming, it doesn't rely on soil or natural sunlight. It uses soilless techniques and artificial lighting to create optimal conditions for plant growth. This allows crops to be grown year-round, regardless of weather conditions and makes more efficient use of space and resources.

Dr Zoe M Harris, project lead from the University of Surrey's Centre for Environment and Sustainability, said:

"Our project is keen to explore how vertical farming can provide local, diverse, and culturally appropriate food, given its potential to grow a wide variety of crops. So far, there's been little in-depth analysis of the risks to our country's leafy greens supply nor a thorough examination of the benefits and trade-offs vertical farming could bring to the UK's food system. Thanks to this grant from UKRI, we're excited to change that and create a clear roadmap to unlock this potential on a larger scale."

The research team will work closely with farmers, industry, government and the community to make sure that the outputs of the project focus on real-life and immediate benefits.

The core team is made up of whole-system, environmental and social scientists, UK Urban AgriTech (UKUAT) and five farm partners - Flex Farming, Innovation Agritech Group, Farm Urban, GrowPura, and LettUs Grow.

Dr Lada Timotijevic from the University of Surrey said:

"Our research is all about identifying and understanding the risks to our food system and seeing how vertical farming can help tackle these challenges. We want to create tools that make it easy to see the impact of expanding vertical farming on considerations including food supply, land use, and the environment, so we can make smart decisions for the future.

"We're also focused on understanding the public's perceptions of vertical farming and the social conditions needed for vertical farming to succeed, as well as on working closely with farmers, industry, and policymakers to build a roadmap that supports its growth across the UK."

The project's leadership team consists of:

- University of Surrey: Dr Zoe M Harris, Dr Lada Timotijevic, Dr Lirong Liu, Dr James Suckling, Dr Damiete Emmanuel-Yusuf
- University of Aberdeen: Professor Astley Hastings
- University of Sussex: Dr Alexandra Penn
- UKUAT: Mark Horler

Image: Vertical farm. Credit ifarm.fi Creative Commons Attribution-Share Alike 4.0 International

Surrey County new land management framework

9 April 2025



Surrey County Council has launched a new Land Management Framework, setting out best practice guidelines for managing its own land as well as striving to inspire other landowners and stakeholders to adopt and deliver similar approaches. The new framework aims to ensure Surrey's countryside is managed in a way that maximises its ecological, educational, social and economic value for the benefit of generations to come.

Like other counties, Surrey's natural environment is under unprecedented pressure from climate change, biodiversity loss, and increasing demands on land use. The new framework provides principles and policies to guide evidence-based decisions, manage risks, and seize opportunities.

The county council owns and manages 10,000 acres of Surrey's countryside and has a duty to manage its own land responsibly and sustainably. By implementing the new Land Management Framework, Surrey County Council will lead by example, inspiring other landowners and stakeholders to adopt sustainable land management practices.

Marisa Heath, Surrey County Council Cabinet Member for the Environment comments: *"The council's ambition is to act dynamically to ensure the future sustainability of our land-based assets, both financial and environmental, through embedding nature-based solutions, community action, and new technology into our land management and decision-making.*

"The county's countryside and water bodies offer numerous benefits, including recreation, wellbeing, livelihoods, food production, wildlife habitats, and community cohesion.

"Our land will be more resilient to economic and environmental shocks and climate change, support growing biodiversity,

and have strong local community engagement and ownership.”

Surrey’s new Land Management Framework is timely as Government has recently launched a national conversation about land use, encouraging feedback to a consultation that will inform the development of a national Land Use Framework later this year.

Read more about Surrey’s framework by visiting our website: **Land Management Framework - principles and policies - Surrey County Council.**

Guidance to consumers impacted by Heathrow Airport incident

9 April 2025



Selina Chadha, Group Director for Consumers at the UK Civil Aviation Authority, said: “Passengers are advised not to travel to Heathrow at this time and should contact their airlines for the latest flight updates. We appreciate the difficulties that travel disruption causes, and we expect airlines to take all necessary steps to support and assist their passengers during this period of disruption. The Civil Aviation Authority remains in close contact with Heathrow Airport, airlines, and the Government during this time.”

Heathrow Airport is closed today due to a fire at a nearby electrical substation, affecting the supply of power to its terminals. Unfortunately, this means that today’s flights to and from the airport have been cancelled. The knock-on effect may also lead to delays and further cancellations over the weekend.

Flights that had already departed that were due to land at the airport had to be diverted to other airports.

Air passenger rights

When flights are delayed and cancelled, we expect airlines to minimise the overall impact on you by keeping you informed and looking after you.

In many cases you will be protected by rights which are set out in UK legislation. The table below provides guidance on whether your flight is covered by UK legislation:

Flight Itinerary	UK or EU Air Carrier	Non-UK / Non-EU Air Carrier
Departing from Heathrow	<input type="checkbox"/> Covered	<input type="checkbox"/> Covered
Arriving to Heathrow	<input type="checkbox"/> Covered	<input type="checkbox"/> Not Covered

Whether these rights apply or not, we encourage airlines to do all they can to minimise the overall impact to their passengers.

Flight Cancellations

If your flight from Heathrow Airport has been cancelled

Please do not go to the airport and contact your airline for further advice.

Your airline is required to offer you the choice of a refund or find you an alternative flight (referred to as “re-routing”). Re-routing should be at the earliest opportunity or at a later date at your convenience, subject to availability.

Unfortunately, it may be challenging for airlines to offer re-routing during periods of major disruption, especially when an airport is closed at short notice. This may mean that your airline may not be able to get you to your destination as quickly as any of us would like. Nevertheless, if you still wish to get to your destination, we expect your airline to do all it can to offer you an alternative flight and keep you updated.

If your airline is unable to proactively offer you care, or offer suitable replacement flights, we expect it to promptly reimburse you for the costs you incur making your own arrangements. Make sure you keep receipts and avoid incurring excessive costs.

If your flight to Heathrow has been cancelled

We realise that being unable to travel home as planned will be concerning for you. We expect your airline to update you and advise you of your rights.

If your flight is covered by UK passenger rights legislation, your airline will be required by law to get you home and look after you while you wait by providing meals, refreshments and hotel accommodation proportionate to the length of time you are delayed.

To get you home, your airline is required to find you an alternative flight (referred to as “re-routing”). Re-routing should be at the earliest opportunity or at a later date at your convenience, subject to availability.

Unfortunately, it may be challenging for airlines to offer re-routing during periods of major disruption, especially when an airport is closed at short notice. This may mean that your airline may not be able to get you home as quickly as any of us would like. Nevertheless, we expect your airline to do all it can to offer you an alternative flight and keep you updated.

If your airline is unable to proactively offer you care, or offer suitable replacement flights, we expect it to promptly reimburse you for the costs you incur making your own arrangements. Make sure you keep receipts and avoid incurring excessive costs.

Different rights apply if your airline is not a UK or EU carrier. Please speak to your airline or check its website for more information about your rights.

Diverted flights

If your flight was diverted because it could not land at Heathrow and your flight is covered by UK passenger rights legislation, your airline should provide onward transportation (this may be by other means) to get you to Heathrow. It should also look after you and provide you with meals, refreshments and hotel accommodation while you wait, proportionate to the length of your delay.

If your airline is unable to proactively offer you care, or offer onward transportation, we expect it to promptly reimburse you for the costs you incur making your own arrangements. Make sure you keep receipts and avoid incurring excessive costs.

Different rights apply if your airline is not a UK or EU carrier. Please speak to your airline or check its website for more information about your rights.

If you are travelling on a package holiday

If you booked a package holiday, you may also benefit from additional rights, particularly if this means that your original package cannot be provided.

If flight delays or cancellations lead to your holiday being cancelled, or new arrangements are made that result in a significant change to your holiday, then your travel company must offer an alternative holiday if they can, or a refund for the full price of your package holiday.

Flight Delays

If your flight from Heathrow Airport is delayed

Your airline should look after you and provide you with meals, refreshments and hotel accommodation proportionate to the length of your delay.

If your flight to Heathrow Airport is delayed

If your flight is covered by UK passenger rights legislation, your airline should look after you and provide you with meals, refreshments and hotel accommodation proportionate to the length of your delay.

Different rights apply if your airline is not a UK or EU carrier. Please speak to your airline or check its website for more information about your rights.

Fixed sum compensation

In addition to their obligations to look after passengers, as set out above, airlines are sometimes required to provide fixed sum compensation to passengers in certain circumstances.

Although we recognise the adverse impacts these delays and cancellations will have on passengers, the disruptions directly caused by the closure of Heathrow Airport are likely to be viewed as “extraordinary circumstances”. As a result, you are unlikely to be entitled to fixed sum compensation.

Extraordinary circumstances do not affect your other entitlements to replacement flights and care set out above — these are due regardless of the cause of your delay or cancellation.

Notes

The Civil Aviation Authority's interpretation of extraordinary circumstances is illustrative and for guidance only, rather than determinative of our view in any specific case that may arise. Each case will be context and fact specific. This does not mean that a passenger or group of passengers cannot try and claim compensation, including through the courts, if they disagree with our interpretation.

The protections set out above are based on Assimilated Regulation 261/2004 which collectively apply to all flights departing from the UK, and flights arriving into the UK on UK and EU carriers. Different rights may apply to passengers arriving on flights to the UK operated by non-EU carriers such as flights from the USA on US carriers.

Civil Aviation Authority News

Heathrow Airport. Mike McBey **CC BY 2.0**

Expanding London airports “not an environmental trade off” - Minister claims

9 April 2025



Expanding Heathrow and Gatwick is “crucial” for this government after years of people sticking “their heads in the sand” over plans for new runways at south east airports, the Secretary of State for Transport said.

Heidi Alexander made the remarks as she outlined its vision to “modernise” the aviation sector at the annual AirportsUK dinner at a time when passenger levels at the country’s airports had grown by 7 per cent - and signs indicating 2025 would be a record breaking year.

She said: “It’s clear this is a trend, not an unusual year. In fact, everything points to a record-breaking 2025 - and it’s easy to see why.

“The world has never been more interconnected. The desire for travel never stronger. Global forecasts show a near doubling of passengers and cargo in the next 20 years. So the demand is there. It’s growing. And if we don’t seize it, we not only risk being outpaced by European competitors, but we will be on the wrong side of public aspirations.”

The Government has already announced its support for a third runway at Heathrow Airport - which has put in £2.3billion to overhaul its infrastructure - and more recently said it was ‘minded to approve” a second at Gatwick.

She added: “We see airports as a crucial pillar of our plan for change. And it’s why we’ve acted, and acted quickly, across three areas - starting with expansion. It’s no secret that long ignored capacity issues in the south-east, has meant some of our major airports are now bursting at the seams.

“And yet - when it came to expansion - too many people stuck their heads in the sand. It left the industry in a perpetual holding pattern, with decisions circling around Whitehall for years, waiting for a clear signal.”

Expansion at Heathrow would be the first new full-length runway in the country for quarter of a century with the transport secretary saying her job was now to balance “economic benefits of expansion with social and environmental commitments.”

She said this was reflected in her caveated support for Gatwick - with a “clear path for expansion” set out if certain conditions are met.

A final decision on whether to approve Gatwick’s expansion is expected to be made on October 27.

The transport secretary finished: “I will never accept the false trade off that pits growing aviation against protecting our environment. I honestly believe we can, and must, do both. And how we do that is already being answered...

“Firstly, we cannot hope for quieter, cleaner and greener flights if our most critical piece of infrastructure is stuck in the past. We must ramp up work on reducing emissions. Green flight isn’t only essential for the industry, it’s existential.”

Related reports:

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Gatwick Airport Expansion

Report against airport expansion

Heathrow expansion reaction

Heathrow Airport. Credit Heathrow Airports Limited.

Epsom Ranks Among Surrey’s Best for Train Punctuality

9 April 2025



Epsom railway station has emerged as one of Surrey’s most reliable stations for punctuality and service, faring significantly better than many other locations across the county. Despite serving three major London terminals—Victoria, Waterloo, and London Bridge—Epsom’s train services remain relatively efficient, avoiding the severe delays and cancellations plaguing other areas.

Government Push for Greater Transparency

The government has announced plans to improve transparency in railway punctuality by introducing live data screens at major stations across the country, including in Surrey. These digital screens will display real-time statistics on train cancellations and punctuality, offering commuters a clearer picture of service reliability. Data will also be made available online.

The latest figures highlight significant differences in performance across Surrey’s rail network. While some stations suffer from frequent delays and cancellations, Epsom continues to provide a more dependable service for its passengers.

Surrey’s Worst-Offending Stations for Delays and Cancellations

Several stations in Surrey have been identified as the worst performers for punctuality and cancellations, frustrating thousands of daily commuters. At the bottom of the list is Woking, where only 72.2% of non-cancelled trains arrive ‘on time’—defined as arriving within three minutes of schedule. Just above it, Guildford fares only slightly better at 74.2%.

Other stations in the lowest 10 for punctuality include:

- **Guildford** - 74.2%
- **Horley** - 74.8%
- **Gomshall** - 74.8%
- **Haslemere** - 75.2%
- **Reigate** - 75.6%
- **Dorking (Deepdene)** - 76.4%
- **Byfleet and New Haw** - 76.6%
- **Earlswood** - 76.7%
- **Redhill** - 77%

Some of these stations also struggle with cancellations, with Earlswood topping the list, where 11.7% of all scheduled trains simply do not arrive. This is followed by Salfords (11.7%) and Horley (8.4%). The full list of worst stations for cancellations is as follows:

- **Earlswood** - 11.7%
- **Salfords** - 11.7%
- **Horley** - 8.4%
- **Kempton Park Racecourse** - 7.4%
- **Sunbury** - 7.3%

- **Upper Halliford** - 7.3%
- **Chilworth** - 6.8%
- **Redhill** - 6.6%
- **Shepperton** - 6.6%
- **Gomshall** - 6.5%

Epsom's Strong Performance

If Epsom were included in these rankings, it would rank significantly higher in reliability. The latest figures show that **87.7%** of its non-cancelled trains arrive on time or within three minutes, a notably strong performance compared to its Surrey counterparts. Additionally, the station has a low cancellation rate of just **1.6%**, offering passengers greater confidence in their daily commutes.

Natasha Grice, Director at Transport Focus, welcomed the initiative to improve the transparency of service reliability, stating: "Passengers tell us they want a reliable, on-time train service and will welcome improvements to information about the punctuality of their service and cancellations being shared more transparently. It's important that the industry uses this information to drive up performance."

Meanwhile, Woking MP Will Forster has launched a new cross-party group aimed at holding South Western Railway accountable for poor performance. "I'm disappointed but sadly not surprised Woking suffers from more delays than any other station in Surrey," he said. "My constituents in Woking, and passengers right across the South Western Railway network, deserve a fair deal as they travel by train. We should expect cheaper and more reliable services."

A Positive Outlook for Epsom Commuters

While many Surrey stations struggle with delays and cancellations, Epsom's strong performance provides a welcome relief for local commuters. The government's move to display live data at stations will allow passengers to make more informed travel choices and hold operators accountable. As the debate around rail service reliability continues, Epsom's efficiency stands out as a positive example in an otherwise challenging landscape for rail users across Surrey.

Surrey to get new recycling centre?

9 April 2025



Newspapers, cardboard, plastic bottles and tins of tuna could have a new home to go to in Surrey. Plans for a new recycling centre are on the cards on farmland in Chertsey as the existing infrastructure is "under strain", a new report says.

Surrey County Council is proposing to build a dry material recycling centre on Trumps Farm, just off the M3. An outline planning application has been submitted and an outline business case has been developed, with a decision hopefully being made in May 2025.

Waste like metal, cardboard and plastic would be collected at the kerbside and then separated from mixed items like paper, card, plastic, metal and glass into single material streams. These streams are then sent on to reprocessors to turn into new products.

Trumps Farm, owned by the county council, was identified as the most suitable location for a recycling facility as it is North West Surrey, closest to where the highest levels of waste are produced, according to the council report. The size of the proposed facility will provide capacity for Surrey's dry recycling now and into the future, the document said.

The county's ability to recycle and get rid of waste is under "significant strain", according to a council report. A report in 2023 highlighted a strain on the current recycling infrastructure and a lack of dry mixed recycling centres in the county.

"If we're going to build and invest in a recycling centre, we need to up our recycling rates," said the Leader of the council, Tim Oliver at a cabinet meeting on February 25. He urged members to "renew their energy" for recycling around the districts and boroughs.

The Conservative leader said recycling rates around Surrey had stagnated at around 50 per cent and perhaps residents were not sure what can and cannot be recycled. He added: "I have persuaded my wife to look at a package before she puts it in the bin because it does tell you whether it's recyclable or not."

Responsible for around 90,000 tonnes of recycling in Surrey, the council is hoping to find an operator to process all this material without changing the current district and borough collection regimes. These authorities are Epsom & Ewell,

Elmbridge, Guildford, Runnymede, Spelthorne, Surrey Heath, Tandridge, Waverley and Woking.

Use of third-party sites to manage recyclable materials collected by the District and Boroughs on the county's behalf has been increasingly expensive and the service has no control over costs or the separation processes. "Surrey County Council will need greater control over its supply chain and associated infrastructure," according to a new report.

Imminent waste legislative changes could put the county council at risk of not meeting its duty as the Waste Disposal Authority. The new legal rules include: collection packaging reforms and extended producer responsibility (meaning the need to collect and recycle a broader range of materials) and a new levy on fossil fuel waste which could cost the council up to £10m a year.

The report said: "The delivery of a Surrey material recycling facility will work to mitigate these financial pressures by increasing recycling, particularly with regard to plastics and provide revenue savings which can offset these costs."

In the event that Surrey was split into a number of unitary authorities that were responsible for waste disposal, the county council said the continued use of strategic waste management facilities would be managed through agreements between local authorities.

Image: Surrey Recycling Centre. Credit Surrey County Council

Surrey County Council's Climate Change Progress: Successes, Setbacks, and the Road Ahead

9 April 2025



Surrey County Council (SCC) has made notable strides in its efforts to combat climate change, cutting its own carbon emissions by 38% since 2019. However, despite significant progress, challenges remain, particularly in securing funding and maintaining the momentum needed to achieve net zero by 2030 as an organisation and 2050 for the wider county.

Achievements: Measurable Gains in Emissions Reductions

SCC's third annual Climate Change Delivery Plan assessment highlights a range of accomplishments across various sectors. Since 2019, the county has:

- Reduced its yearly emissions by 1 million tonnes.
- Retrofitted nine council buildings and increased renewable energy capacity by 0.5 megawatts.
- Converted nearly 100% of its streetlights to LEDs, achieving a 75% reduction in emissions from street lighting.
- Upgraded over 3,000 homes to improve energy efficiency.
- Installed 14MW of additional solar power—enough to power 9,000 households.
- Planted 500,000 trees as part of a broader sustainability drive.
- Offered 500 green skills courses to improve employment opportunities in eco-friendly industries.

These efforts have collectively helped residents, businesses, and the public sector save approximately £18 million per year in energy costs.

Challenges: Where Progress Falls Short

Despite these commendable efforts, SCC faces several hurdles that could derail its long-term sustainability plans. Funding constraints, supply chain issues, and the cost of implementing further green initiatives pose serious challenges. The county remains at risk of falling behind on its ambitious targets without additional investment and governmental support.

According to SCC's Net Zero Progress Report, while the county remains generally on track, six out of its twelve borough and district councils have seen an increase in emissions. Moreover, transport remains a significant contributor to carbon output, with Surrey's transport-related emissions making up 44% of the county's total emissions—well above the national average of 29%. The report suggests that while cycling and walking rates have increased, they have not been sufficient to significantly reduce private vehicle use.

SCC's building decarbonisation efforts also face hurdles, with only eight buildings retrofitted against an anticipated 36 by 2025. Similarly, while 39 low-carbon vehicles have been introduced into the council's fleet, this falls well short of the 196 needed by 2025. The delay in installing EV charging points across council sites has further slowed fleet decarbonisation.

How Does SCC Compare to the Best in the Country?

One of the standout local authorities in climate action in the UK is Nottingham City Council, which has set a 2028 net-zero target—two years ahead of SCC’s goal. Nottingham has implemented a city-wide district heating system powered by waste incineration, extensive home insulation programmes, and one of the most ambitious municipal renewable energy strategies in the UK. Nottingham has also successfully expanded its cycle network and introduced a fleet of electric buses.

By comparison, Surrey’s efforts in public transport and active travel have been less effective. While SCC has made progress with bus electrification (with 16 ultra-low-emission vehicles introduced so far), it still lags behind other councils in deploying public transport solutions at scale. The lack of effective incentives to transition away from car dependency further limits its impact.

The Road Ahead: Priorities for SCC

SCC has outlined several key priorities for the next phase of its climate strategy:

1. **Expanding Renewable Energy:** Increasing rooftop solar on council buildings and exploring carbon offsetting options where direct emissions reductions are challenging.
2. **Improving Home Energy Efficiency:** Expanding the Warm Welcome initiative and continuing the Solar Together programme to help residents transition to renewable energy.
3. **Decarbonising Public Transport:** Expanding electric vehicle charging infrastructure and investing in cleaner public transport solutions.
4. **Boosting Green Skills and Jobs:** Strengthening partnerships with institutions like the University of Surrey to create more opportunities in the green economy.
5. **Protecting Nature and Climate Adaptation:** Implementing flood resilience measures, developing biodiversity recovery plans, and ensuring green spaces are protected.
6. **Securing National Government Support:** Lobbying for greater investment in local sustainability projects and improvements to infrastructure.

Surrey County Council has made strong initial progress in reducing emissions and implementing sustainability initiatives, but serious risks remain. Without significant additional funding and structural improvements—especially in transport, building efficiency, and energy production—there is a real possibility that SCC may fall short of its ambitious targets.

Ultimately, SCC’s ability to meet its targets will depend on whether it can maintain momentum in its existing initiatives while addressing the gaps that still threaten its long-term vision of a net-zero Surrey.

Related reports:

[Epsom and Ewell adopts new Climate Action Plan](#)

[Climate motion sparks energetic debate in Council](#)

Surrey leading the shout: “Keep the noise down will you!”

9 April 2025



An interdisciplinary network of engineers, policymakers, industry stakeholders and social scientists, led by the University of Surrey, will take on one of the UK’s most overlooked environmental challenges: noise pollution.

From the constant hum of road traffic to the thousands of flights in and out of UK airports, noise awareness in our modern world often fades into the background – but it carries significant consequences for both human health and wildlife. Noise Network Plus will focus on promoting conscious design processes to create quieter products, buildings and transportation systems – with the aim of reducing noise pollution and building a healthier environment over the next 10-15 years.

Professor Mark Plumbley, project lead and Professor of Signal Processing at the University of Surrey’s Centre for Vision, Speech and Signal Processing (CVSSP), said:

“Noise is a frequently neglected pollutant, but it has a big impact on health, society and the environment. For example, road noise can lead to sleep disturbance and heart disease, costing £7-10 billion each year in England alone. Once noise is

out there, it is really hard to remove. We need to re-think how we design noise from the start.”

Awarded more than £1.8 million in funding, Noise Network Plus is one of six research projects to receive a share of £10 million from the Engineering and Physical Sciences Research Council (EPSRC). Together they form part of its wider community engagement initiative to address ‘Tomorrow’s Engineering Research Challenges’ (TERC), launched today (11th February), which focuses on tackling the most pressing issues facing the engineering sector.

Professor Abigail Bristow from the University of Surrey, said:

“We’re at a pivotal moment in time where our environment is under threat, but we have the technology and expertise to make meaningful changes. Our mission-oriented research and innovation network will look to adopt a systems-thinking approach, addressing the root causes of noise and understanding its far-reaching impacts.”

A collaboration between the University of Surrey, City St George’s University of London, the University of Bath, and the University of Salford, Noise Network Plus aims to build unprecedented research capabilities to tackle the complex challenge of reducing noise and its impacts on people, the environment and the economy. Bringing together diverse teams and stakeholders, the initiative will promote inclusive dialogue and co-design innovative solutions.

Alan Hunter, Professor in Autonomous Systems based in the University of Bath’s Department of Mechanical Engineering, will lead the network’s efforts on underwater noise and artificial intelligence. This will include research into the effects of noise created by human activities at sea and improving the resilience of uncrewed underwater vehicles to noise. Professor Hunter said:

“The ocean is a noisy place, and a lot of the tools and technologies we rely on to deliver services either increase noise levels or are affected by noise. Taking oceanographic measurements, measuring marine wildlife populations, or inspecting underwater infrastructure, are all examples of activities affected by noise and of which we need to build a better understanding.”

Professor Antonio Torija Martinez and Dr Simone Graetzer are co-leads on the project at the University of Salford’s Acoustic Research Centre. Professor Martinez said:

“As the UK moves toward Net Zero, the adoption of sustainable energy and emerging technologies - such as wind turbines and drones - will introduce new sources of noise, fundamentally reshaping our soundscapes. This offers us a unique opportunity for a fresh start and through our initiative, we aim to transform the way noise is managed, embedding innovative solutions into engineering design and policy.”

Professor Charlotte Clark, Professor of Environmental Epidemiology in the Population Health Research Institute at City St George’s, University of London, said:

“This is a rare and timely opportunity to form multidisciplinary and interdisciplinary teams to develop engineering solutions addressing the problem of noise effects on health. We know that noise affects health, but we know little about how to mitigate the problem. The missions developed in the Noise Network Plus have the potential to step up mitigation efforts that will translate into major, long-term public health gains.”

The launch of Noise Network Plus will take place on 18th March at Prince Philip House, the home of the Royal Academy of Engineering, in London. The event will bring together a cross-section of people from engineering and other disciplines including researchers, industry, professional institutions, policymakers, charities, and other stakeholders, to identify the challenges that need to be addressed, and plan how the Network can work to address these challenges.

Professor Adrian Hilton, Director of the Surrey Institute for People-Centred AI and CVSSP, added:

“Noise Network Plus represents a significant step towards addressing an often-overlooked pollutant and its detrimental impact on people. This interdisciplinary people-centred approach aims to tackle the complex challenges of noise in our modern world and develop innovative solutions for quieter and healthier communities.”