Celectricity

Bringing energy to your door

書冊書の書

Cumbria Stakeholder Regional Event

16 September 2022

Stay connected... **F III III** www.enwl.co.uk

Pelectricity

Bringing energy to your door

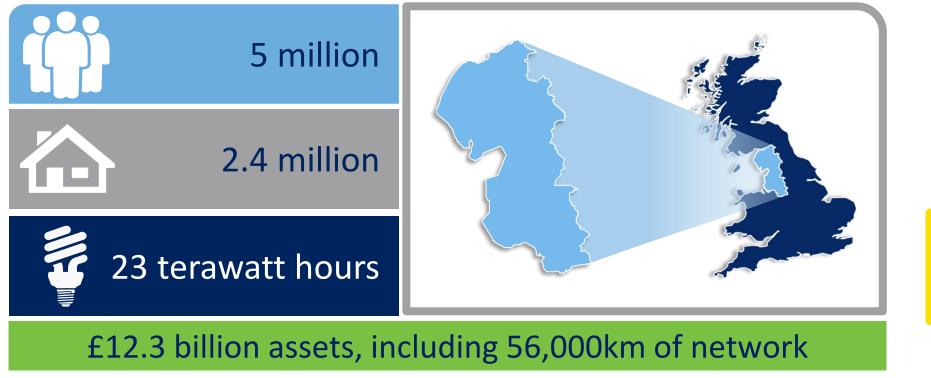
書圖重為

Welcome

Paul Bircham Engagement and Regulatory Strategy Director

Stay connected... F I III III IIII www.enwl.co.uk

We distribute electricity across the North West



We invest £1m in the network every day

19 grid supply points; 96 bulk supply substations;

363 primary substations; and 33,000 transformers

We are a regulated monopoly Customers cannot choose their network company



Agenda



Session will include

Our commitment for 2023-2028

Regional trends & insights

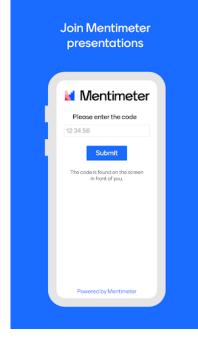
Support for customers in vulnerable circumstances

Supporting customers with LCT connections

We want to find out more about you:

- Open web browser
- Head to www.menti.com
- Use the code **531 976 17** to access
- Please answer the three questions and click submit after each question





Polling...

Q1: What type of stakeholder are you?

- Domestic customer / consumer interest group
- Housing Association or similar
- Business customer (or representative)
- Developer / connections representative
- Environmental charity or representative
- Social charity or community group
- Local Authority / government
- Academic / educational institute
- Utility representative (gas, water, electricity)
- Other

Q2: Where are you joining us from today / the area that you represent?

- Cumbria
- Lancashire
- Greater Manchester
- Other

Q3: How often do we engage with you?

- I regularly attend a Stakeholder Advisory Panel or expert panel
- I attend innovation, low carbon, community energy or connections workshops
- I am in regular contact with ENWL
- I have occasional contact with ENWL
- I am new to this I've have never met or contacted ENWL before





Pelectricity

Bringing energy to your door

書圖重合書

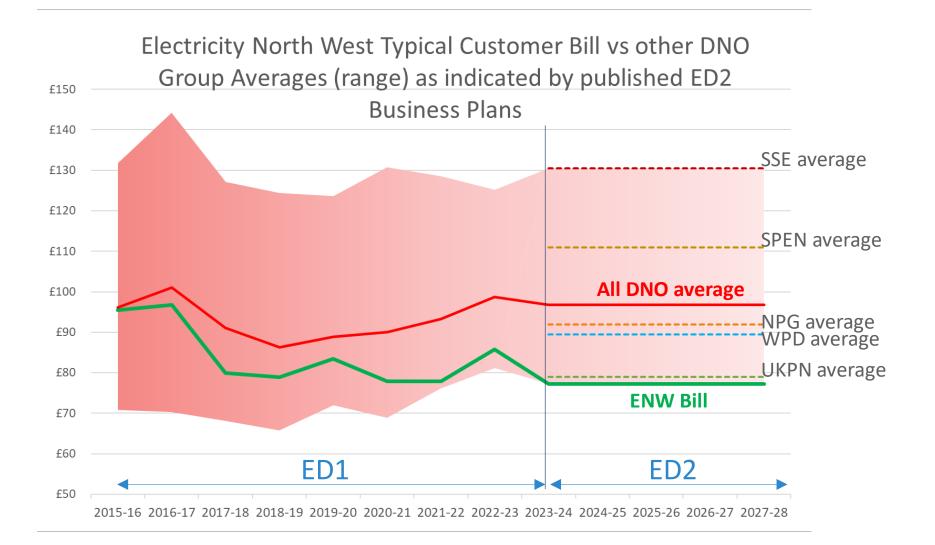
Ofgem's Draft Determination for RIIO-ED2

- We've engaged with 18,000 customers and stakeholders to develop our plans for 2023-2028 to make sure they reflect the wants, needs and views of the region.
- We submitted a comprehensive plan and Ofgem has now given us its initial view.

What did Ofgem want?	What did our plan propose?
In very simple terms, Ofgem wanted to see net zero delivered by networks at lowest cost to customers	£1.8bn investment, including £200m extra to deliver net zero while reducing our part of the bill by at least 5.5%
	or the bin by at least 51576

We recently retested the acceptability of our plans with domestic and business customers and found that **84%** found the plan acceptable.

Despite us proposing the lowest bill of any DNO group, Ofgem has still proposed to take out more than £200m of funding, and reject a number of key projects that will have a significant impact on the region.







<u>Comprehensive Scope</u> – does it include what North West customers and stakeholders asked for?



<u>Dealing with Uncertainty</u> – can it flex in a fast acting and agile manner if customers requirements change?



<u>Driving Performance Improvement</u> – does it set tough targets and encourage continuous improvement?



<u>Challenging Efficiency</u> – does it set stretching but achievable targets for continuous cost reduction?

Sustainable financing – does it keep bills low while ensuring companies can raise the finance to fund essential investment?



The support you asked for on net zero transition.

The enhanced community energy fund to help us scale up and deliver more.

Network investment in areas of high concentration of vulnerable customers.

Our LineSIGHT proposal to increasing monitoring of overhead lines for safety.

These scope cuts are on top of the c£200m reduction in our plan which will cause further difficulties in delivery and also £100m reduction in financing costs.

f64.35m

investmen

remove

There are some things that Ofgem has initially approved in the determination, including:

- £78m for us to roll out our money-saving Smart Street technology to quarter of a million properties to help reduce customers energy costs
- Our proposal for a unique new incentive called 'Dig, Fix and Go' to reduce the average time for emergency street works from 5 days
- Our strategy to support customers in vulnerable circumstances, although Ofgem have currently excluded some specific elements
- Our programme to replace dangerous 'Borrowdale' transformers across Cumbria
- Flexible uncertainty mechanism to respond to any nuclear power station development in Cumbria





- We need your continued support to see the plan over the line, and ensure it reflects what you and your organisations require from the network now and as a building block for the future
- Although the deadline for responses to Ofgem has passed it is not too late to write to them if you have strong views
- We'd be delighted to have further conversations with you on any individual topic to:
 - help your understanding
 - to help you with your own direct response to Ofgem

Pelectricity

Bringing energy to your door

書圖書命書

Customer Support & Financial Vulnerability - Response to the cost of living crisis

Samantha Loukes

Peter Smith Director of policy and advocacy at National Energy Action (NEA)



Bringing energy to your door

Regional insights What we are hearing from customers nationally and within our region

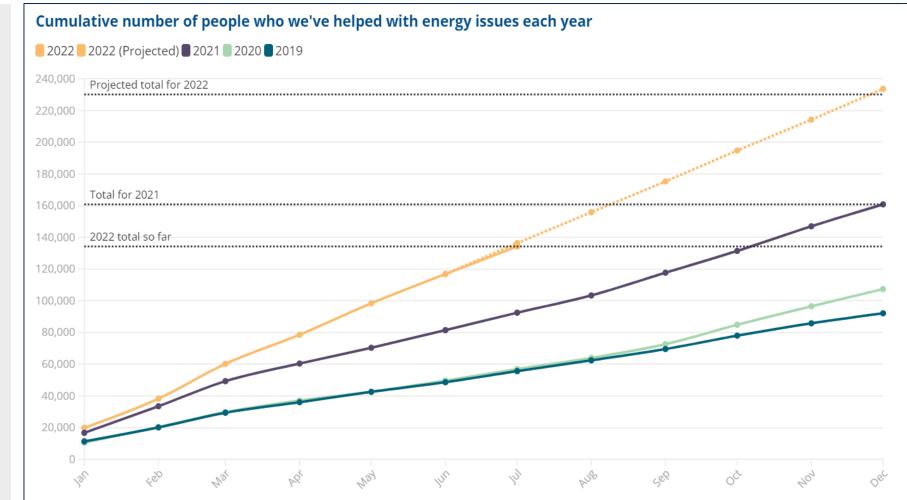
Triangulation of strategic insight August 2022





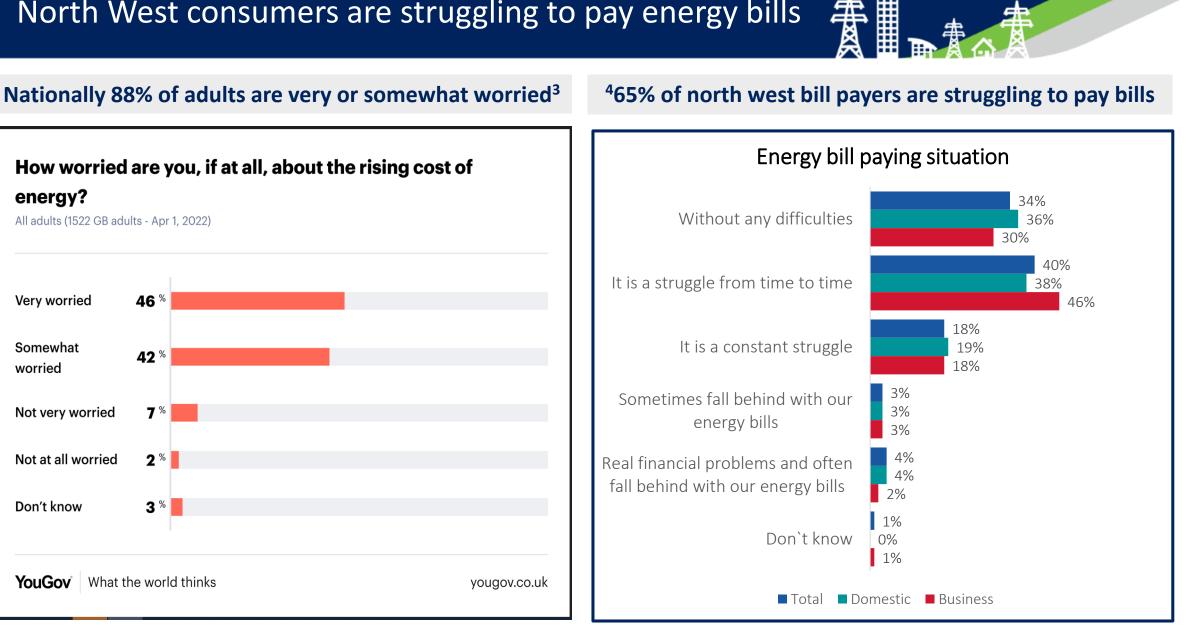


- Britain is facing its biggest cost of living crisis in decades.
- Cost of living is overwhelmingly seen as the most important issue facing the country (81%), followed by the quality of NHS healthcare (47%) and threat of climate change (29%)¹.
- The number of people needing support from Citizens Advice² this year has already exceeded the rate for 2020 & 2019.



¹Public First – Insights into public attitudes towards the cost of living crisis – August 2022 ²Citizens Advice <u>cost of living data dashboard</u> August 2022

North West consumers are struggling to pay energy bills



³YouGov Results - Energy Bills. Fieldwork: 28th - 29th July 2022 ⁴Electricity North West Acceptability Survey. Fieldwork 24th June and 5th July 2022

energy?

Very worried

Somewhat

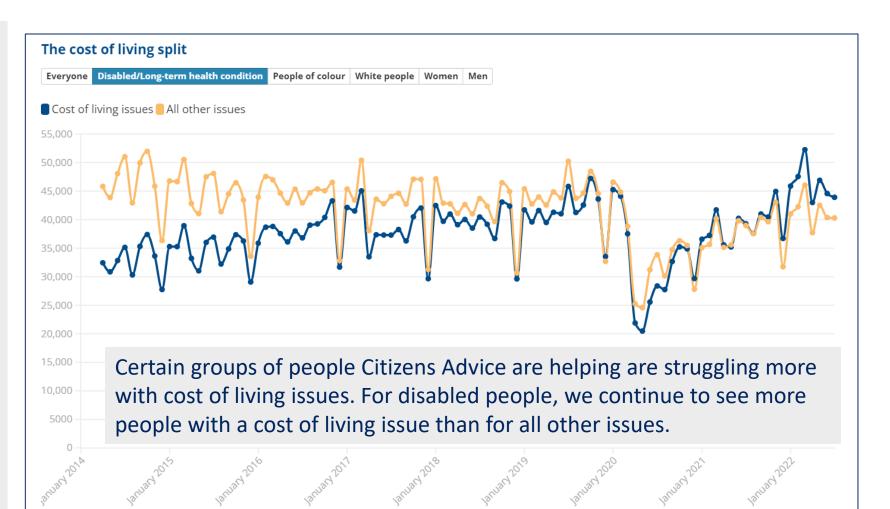
Don't know

YouGov

worried

The worsening costs are not being felt equally across society

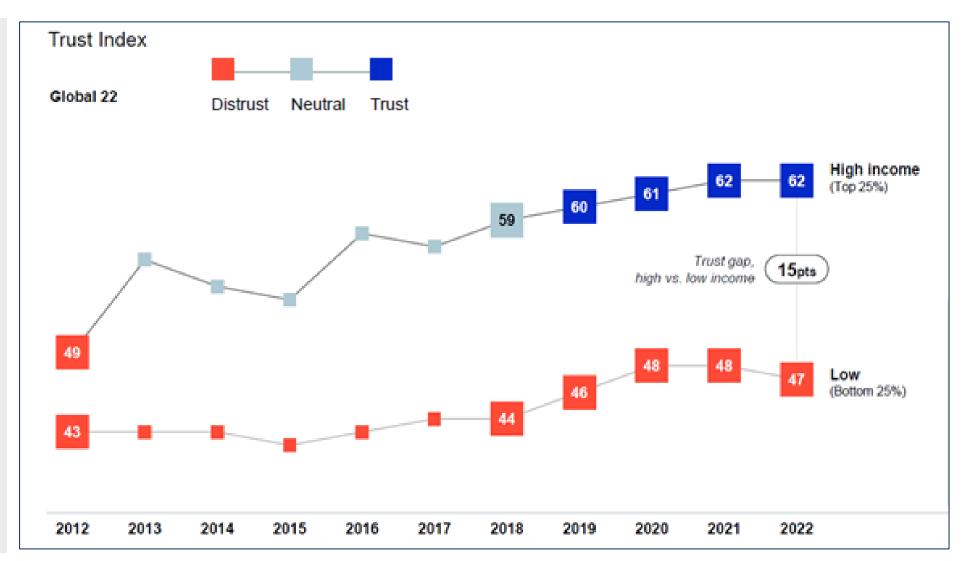
- According to the Office for National Statistics⁵, 91% of adults in Great Britain reported an increase in their cost of living between June and July 2022.
- The cost of living crisis is affecting everyone, but it's not affecting us all equally⁶.
 - People on low incomes
 - Long-term health conditions
 - Disabled people⁷
 - Pensioners



⁵ Rising cost of living in the UK – House of Commons Briefing – 21 July 2022
 ⁶ National Voices - Behind the Headlines: the unequal impact of the cost of living crisis – April 2022
 ⁷ Citizens Advice cost of living data dashboard August 2022

There is a record trust gap (of Government, business and media) between high and low income households

- Trust in Government and businesses 'to do the right thing' is much lower among lowincome groups⁸
- Public don't think the government is taking the crisis seriously
- Mass public protest viewed as likely, with 61% believing people will have utilities cut off and 54% think people will refuse to pay bills and taxes⁹



⁸Edelman Trust Barometer 2022: 36,000 respondents across 28 countries
 ⁹Public First – Insights into public attitudes towards the cost of living crisis – August 2022

And utility companies are also under the microscope

Very favourable 2% 8% 17% 23% Somewhat favourable Neither favourable 29% nor unfavourable Somewhat 62% unfavourable 28% 40% 33% Very unfavourable 12%

26th July 2021

Public perception about utility companies

Water pollution

No river safe for bathing

Toxins at highest levels since testing began @Watchdog 'leaves water companies free to pollt

reshold for a healthy waterway -

TIMES INVESTIGATION Ryan Watts, Rhys Blakely George Greenwood, Dylan Lewi

Danverous pollutants in England's rways have reached their highest vels since modern testing began, The exceeded nermitted limits of at least one mes can reveal, with no river in the oxic heavy metals and pesticides

equently exceeding the limits, prosecuwith tens of thousands of ions by the agency against the regional - bathing in countryside rivers and monopolies that run Britain's sewage s during this week's heatwave systems have declined - to three last an investigation by this year from thirty in 2014. that revealed that rivers in In some cases the agency is allowing

six ner cent fall short of the EUs charity. Experts say that this leaves water ological standard - the minimum companies feeling free to pollute rivers. Kerry McCarthy, MP, a member of the rom 75 per cent a decade ago. In addition, half of all stretches of river mental select committee, said that the companies were "treating fines monitored by the Environment Agency as the cost of doing business, rather than seeing them as a serious deterrent' hazardous pollutant last year, including adding "The Environment Agency needs to step up

Despite serious pollution incidents David Slater, a former director of the agency, said: "Cutting budgets absolutely is an effect: fewer policemen mean less testing and less enforcement --- and as we've seen with some of the water panies, people will take advantage of tax enfor

eaches that allowed raw sewage to leased into rivers and on to heache for reform of the Environment Age uart Singleton-White of the As We're going backwa our rivers are setting wo

Hundreds of wild owing nly a couple of hundred a decade Most neonle who enjoyed waters panty spots last week will have be ascare of how Britain's a

ter during hot weather may have b

Millions of us won't be able to afford food and bills this winter.

We cannot afford to let that happen.

- We demand a reduction of bills to an affordable level.
- We will cancel our direct debits from Oct. 1 if we are ignored.
- The campaign starts now with your help.

Don't pay campaign

¹⁰YouGov Tracker - How Brits feel about utility companies. 1931 - 2081 GB Adults per wave

25th July 2022

- The energy price cap increased from 1 April for approximately 22 million customers. Those
 on default tariffs paying by direct debit saw an increase of £693 from £1,277 to £1,971 per
 year (difference due to rounding). Prepayment customers increased by £708 pa from £1,309
 to £2,017.
- Energy bills were expected to hit £3,549 in October
- And £4,266 in January
- Liz Truss's recent statement has helped but there is still a challenge. The rise in energy prices is extremely worrying for many people with increasing numbers struggling to make ends meet, further rises are a cause for concern for many.

Families at risk

• Spiraling energy prices will turn the UK's cost-of-living crisis into a catastrophe as inflation continues to increase.

• Unlike tax rises, this squeeze will be felt most keenly by low-income families. As typical energy bills reach nearly £4,000 a year this means the poorest third of households spending more than 10% of family budgets on energy bills alone.

• The elderly are at risk and many will ration their energy use. Living in a cold home can worsen any health conditions.

• People with a health condition already have higher energy requirements.

• Customers on prepayment meters pay more per unit. Suppliers are already seeing greater numbers of self-disconnection (a term used when the customer can't afford to top up)

• Families with children under 5 – many are likely to face tough choices (eating or heating), children are vulnerable to developing health conditions living in cold damp homes.

- Increased levels of self disconnection
- Impact on mental health
- Adverse affect on physical wellbeing
- Choice between heating/eating/caring
- Falling into unmanageable debt
- Safety risk as customer behaviour changes, using alternative methods of heating/cooking in the home

What have we been doing to help people?

Partner	Investment	Project outcomes		
citizens advice Manchester Partner since 2019	£250,000	Last year 11,163 fuel poor customers were supported by our partners with 36,487 referrals, an average of 3.3 referral outcomes per individual, up from 2.07 in 2020/21. Provision of advice:		
		Outcome	Outputs	Social value
		Energy behavioural change	9,393	£138
CASC CASC		PSR discussion	8,779	£8
CAJ3	£27,500	Tariff supplier advice	7,603	£159
-	227,300	Debt advice	1,055	£420
Partner since 2019		Total referrals/ value	26,830 (74%)	£3.0m
		Provision of in-depth persona	alised support:	
No.		Provision of in-depth persona Outcome	alised support: Outputs	Social value
Cinomon	625.000	Outcome Health and well-being	Outputs 3,041	£74
of Outomost	£35,000	Outcome Health and well-being Reducing energy debt	Outputs 3,041 1,676	£74 £119
Genue	£35,000	Outcome Health and well-being Reducing energy debt Warm Home Discount	Outputs 3,041 1,676 1,362	£74 £119 £159
Partner since 2019	£35,000	Outcome Health and well-being Reducing energy debt Warm Home Discount PSR confirmed sign ups	Outputs 3,041 1,676 1,362 779	£74 £119 £159 £80
Partner since 2019	£35,000	OutcomeHealth and well-beingReducing energy debtWarm Home DiscountPSR confirmed sign upsEmergency fuel vouchers	Outputs 3,041 1,676 1,362 779 495	£74 £119 £159 £80 £25
Partner since 2019	£35,000	OutcomeHealth and well-beingReducing energy debtWarm Home DiscountPSR confirmed sign upsEmergency fuel vouchersGrant funding application	Outputs 3,041 1,676 1,362 779 495 523	£74 £119 £159 £80 £25 £855
Partner since 2019	£35,000	OutcomeHealth and well-beingReducing energy debtWarm Home DiscountPSR confirmed sign upsEmergency fuel vouchersGrant funding applicationTariff supplier weighted	Outputs 3,041 1,676 1,362 779 495 523 388	£74 £119 £159 £80 £25 £855 £855 £776
Partner since 2019	£35,000	OutcomeHealth and well-beingReducing energy debtWarm Home DiscountPSR confirmed sign upsEmergency fuel vouchersGrant funding applicationTariff supplier weightedTariff supplier switched	Outputs 3,041 1,676 1,362 779 495 523 388 363	£74 £119 £159 £80 £25 £855 £776 £338
Partner since 2019	£35,000	OutcomeHealth and well-beingReducing energy debtWarm Home DiscountPSR confirmed sign upsEmergency fuel vouchersGrant funding applicationTariff supplier weightedTariff supplier switchedEnergy Saving Measures	Outputs 3,041 1,676 1,362 779 495 523 388 363 393	£74 £119 £159 £80 £25 £855 £776 £338 £735
Partner since 2019	£35,000 £30,000	OutcomeHealth and well-beingReducing energy debtWarm Home DiscountPSR confirmed sign upsEmergency fuel vouchersGrant funding applicationTariff supplier weightedTariff supplier switchedEnergy Saving MeasuresBoiler Replacements	Outputs 3,041 1,676 1,362 779 495 523 388 363 393 250	f74 f119 f159 f80 f25 f855 f776 f338 f735 f2,215
Partner since 2019		OutcomeHealth and well-beingReducing energy debtWarm Home DiscountPSR confirmed sign upsEmergency fuel vouchersGrant funding applicationTariff supplier weightedTariff supplier switchedEnergy Saving Measures	Outputs 3,041 1,676 1,362 779 495 523 388 363 393	£74 £119 £159 £80 £25 £855 £776 £338 £735

Stakeholder outcomes

- ✓ 22,223 fuel poor customers have been reached since 2017. This represents 10% of all fuel poor customers, exceeds our annual target and puts us on trajectory to reach 100% by 2028.
- ✓ 81% of fuel poor customers surveyed post-intervention reported improved mental wellbeing and 45% felt their physical health had improved after receiving advice.

What else?



Emergency credit vouchers to prevent self disconnection

Energy efficiency guidance Save energy save money

Food vouchers when customers are off supply

Supported access to grant funding

Educating and engaging our youth on energy efficiency Working with foodbanks to link food poverty with fuel poverty

Improvements since the winter storms

Automation	Customer information	Support to customers	Network improvements
Fitting sensors to diagnose faults remotely so we can respond sooner Fitting LV overhead line reclosers to automatically restore supplies at 250 sites by the end of ED1	Upgrading NMS to allow more targeted information to customers on ETRs New app allowing customers to report damage and NMS to automatically link this to live faults	Community resilience fund to help customers during and after major incidents New dedicated incident roles for our leaders	Working with Government to upgrade existing resilience standards to harden networks against storms through a mix of undergrounding and enhanced tree clearance

Å

* *

Continued Support



- Increase fuel poverty support to reach our highest number of customers target of 15,000
- Expand youth support from learnings and trials completed in FY21/22
- Increase collaboration between stakeholders to share information and grow referrals i.e. Age Concern and Lancashire Fire and Rescue, Citizens Advice and TBBT
- Expand promotion of advice through all communication channels; use of radio, online seminars, facebook live and social media platforms to broaden our customer reach.
- Build ED2 contracts to achieve the continued growth of fuel poverty and referral programmes to support customers
 - 50,000 customers per year receiving a mixture of support and interventions



Cumbria Action for Sustainability

Karen Mitchell Chief executive



www.cafs.org.uk

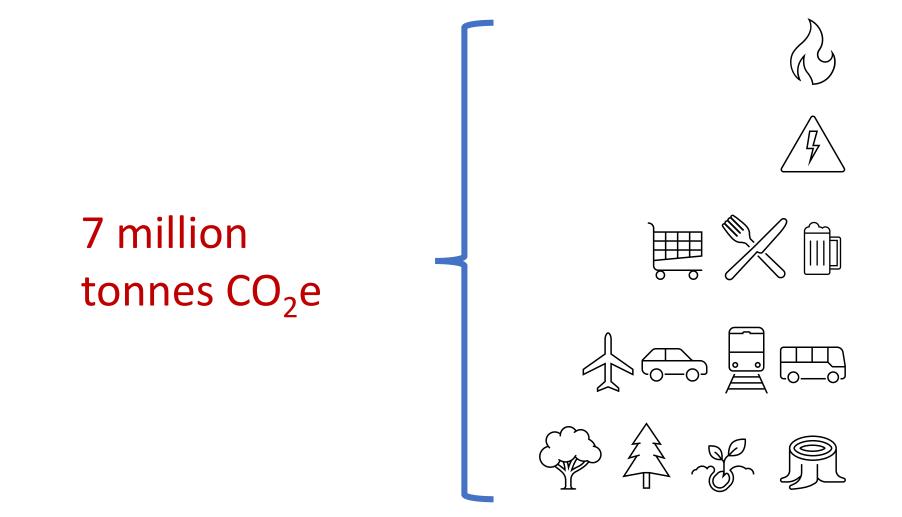


Our Vision

A zero carbon Cumbria which is socially, economically and environmentally beneficial for Cumbrians.

By 2037 or sooner.

By sharing our knowledge, skills, networks and practical experience to help people, communities and businesses live and work more sustainably.





Create ripples

Start of the journey to behaviour change 'Broad and light' Events, training, films, websites, social media Supporting community groups to do the same

Build waves

Targeted approach. Exemplary projects Specific groups/issues 'Narrow & deep'

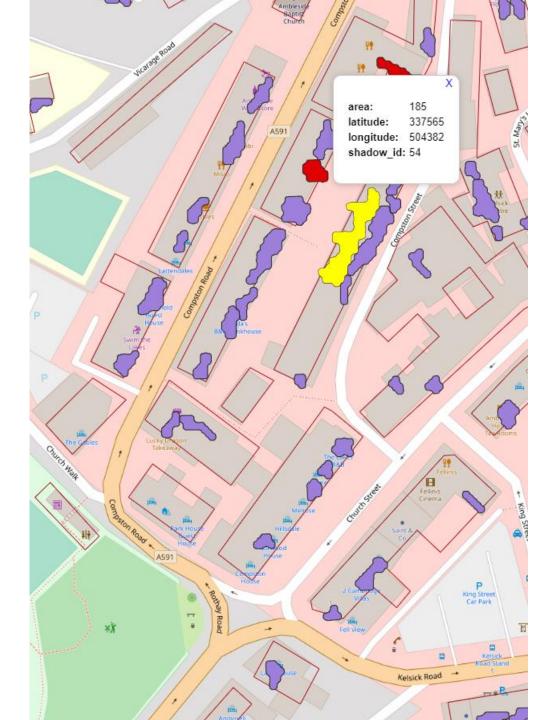


The tsunami

Influence the gatekeepers Local authorities, councillors, businesses, funders. Showcase public interest & action Lock in change

Solar PV Mapping

- Interactive mapping tool with Lancaster Uni
- ID potential electricity generation from solar PV on rooftops
- 7 communities mapped so far:
 - Ambleside
 - Kendal
 - Keswick
 - Alston Moor
 - Levens
 - Arnside
 - Duddon Valley
- Funded by ENW and SLDC



Solar Made Easy in communities

Who is it for?

• Individual home and business owners.

Purpose

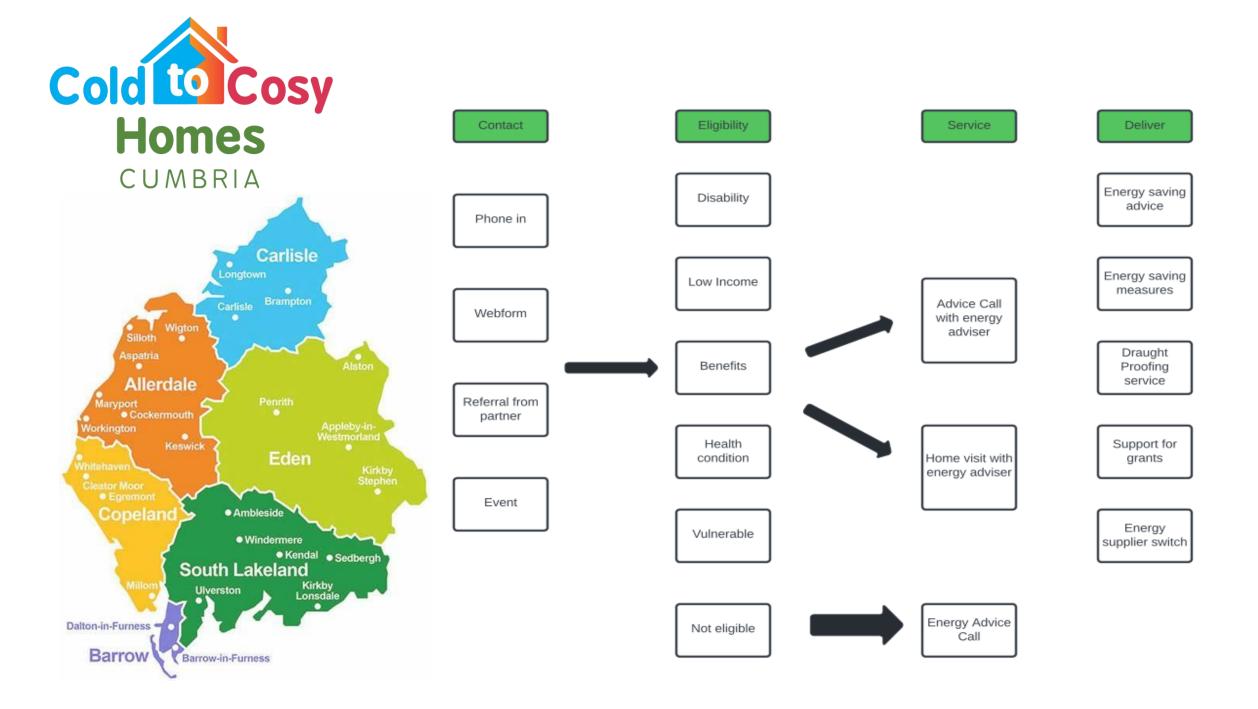
- Take the effort and uncertainty out of investing in solar PV.
- Make small scale solar attractive to installers.

How does it work?

- Community engagement to identify clusters of interested property owners in each area.
- Supported to understand solar PV (Solar PV FAQs) and whether it is suitable for them (Solar PV map).
- Property information gathered and passed on to partner installed as a cluster.





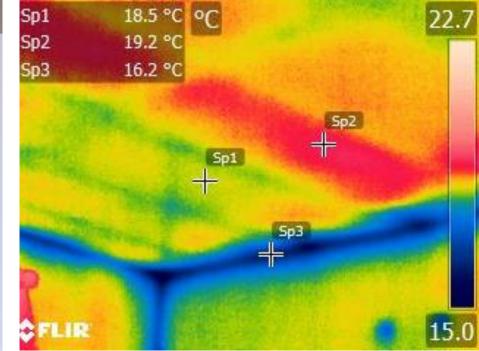


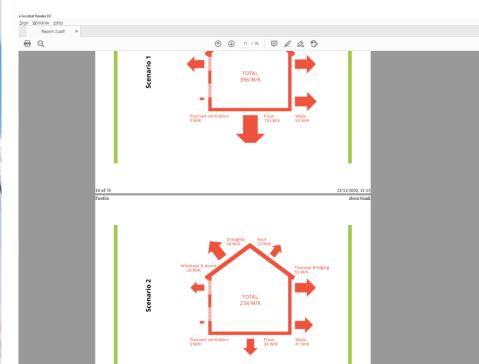


Detailed Energy Audits

LOUNGE

 Home Retrofit Planner – providing detailed building assessment and advice on energy retrofit options









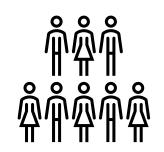




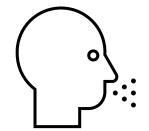
















ZERO CARBON CUMBRIA PARTNERSHIP



Roundtable discussion







- The current situation has been (in the most part) triggered by the cost of gas
 - Do you think that the current situation has influenced customer opinion on net zero?
 - How do you think this could be leveraged to encourage an acceleration towards net zero goals?
 - What fuel poverty support is already available that we should be making customers aware of?
 - How can we work together to ensure awareness?



Pelectricity north west

Bringing energy to your door

書圖正書命書

Break

Stay connected... F 🛗 💿 in www.enwl.co.uk

Pelectricity

Bringing energy to your door

書圖重合書

Customer adoption of Low Carbon Technologies (LCT)

Steven Glasgow

Stay connected... F B O in www.enwl.co.uk

Regional insights What we are hearing from customers nationally and within our region

Triangulation of strategic insight August 2022





National concern about climate change is increasing, but only 40% of consumers feel they know a fair amount about net zero

- 83% of consumers are concerned about climate change¹¹.
 - Worries about climate change have increased following the recent heatwave¹².
- 87% have heard of net zero, although only 9% state that they know a lot about net zero¹¹.
- 2/5 of consumers know at least a 'fair amount' about 'net zero'¹².

Many governments and companies around the world, including in the UK, are committing to achieving 'net zero'. Before today, how much, if anything, did you know about this concept?



¹¹ HM Government, Climate Change and Net Zero: Public Awareness and Perceptions, Research Paper No. 2021/034. Sample Size: 7,000 adults in GB ¹² YouGov Survey Results: Sample Size: 1766 adults in GB Fieldwork: 19th - 20th July 2022

50% of North West consumers are looking, in the next 5 years, to install at least one form of LCT in their home



- ENWL forecasts indicate
 630,000 electric vehicles
 are expected on the
 region's roads by 2028¹³
- Motivating factors include environmental reasons (38%) interest in new technology (31%) and operational cost savings (19%)¹⁴
- BUT, only 7% of all customers surveyed said they have <u>EVER</u> received information about LCTs¹⁵

¹³ Electricity North West <u>Distribution Future Electricity Scenarios 2021</u>
 <u>14</u> Addressing the barriers to EV adoption | Geotab

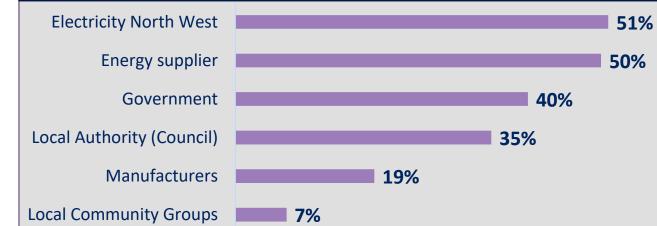
¹⁵ Electricity North West LCT research (2021): Representative north west sample n=211

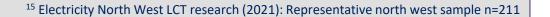
Consumers are looking to Electricity North West to fulfil a perceived gap of providing trusted impartial information





Who is best to provide impartial information on LCTs?





Low income households feel disempowered, and are looking for leadership to mitigate the risk of being left behind

- For older customers particularly there is a sense of guilt in terms of what is being left as a legacy by their generation.
- A disconnect exists between climate change concern and personal action:
- Focus on immediate household issues: job security; kids; surviving
- Experience of how long things like recycling take to get mass involvement
- Personal additional costs involved in acting early – ruled out by escalating cost of living and energy crisis



FIRST MOVER: "This has to be a collective effort – it affects us all but who starts it and how long will it take?"

NO CLEAR LEADERSHIP: "Who is taking the lead on this thing – is it the Government?"

COST OF ACTION IS HIGH: "It's all very well this talk about electric cars and heat thingy's but I cant afford them in the first place"



EXCLUDED DUE TO HOUSING: "Most of these new technologies are for new housing but I live in a terrace so where do I plug my car in and how do I get wall insulation"

As well as providing information, consumers want us to futureproof by removing network barriers

83% support from customers for our investment proposal

'Unloop' shared services (multiple properties using the same cables) where necessary to ensure that customers are not prevented from embracing low carbon technologies, such as electric vehicles.

A looped service is where one or more customers are connected to the electricity main with the same service cable, which limits the amount of additional devices that can be connected. Adding new technologies such as electric vehicle chargers can overload the service if they're all used at the same time.

We will identify where this is a potential issue and proactively unloop the service to 32,000 properties.

BENEFIT: Enabling customers to embrace new technologies such as electric vehicles.

Electricity North West Acceptability Research Phase 1:1,534 people took part in total (962 domestic customers, 539 nondomestic customers and 33 future customers).

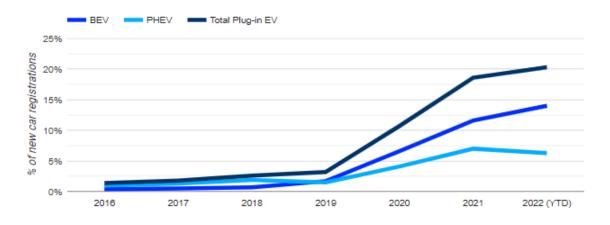


Domestic deployment of EV charge points, heat pumps and solar panels

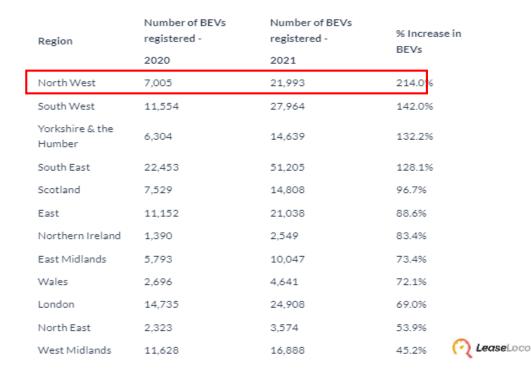
ΖΑΡ 😏 ΜΑΡ

https://www.zap-map.com

Annual market share - plug-in market share of new car registrations (2016 to date)



Source: SMMT, August 2022

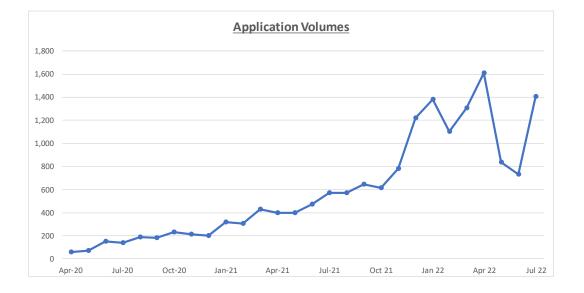


*LeaseLoco analysed data on BEV (Battery Electric Vehicle) registrations, by region, obtained in July 2021 through a Freedom of Information request to the DVLA.

Applications for low voltage generation have increased exponentially in the last 2 years

Increase in applications for large scale solar (30-50MW) and batteries (70-200MW)

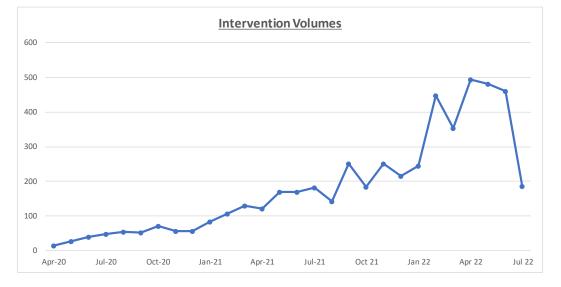
Domestic deployment of EV charge points & heat pumps





60% were approved; the remainder require an upgrade to the existing electricity supply to ensure it remains safe & reliable

30% required the customer and their neighbour to be provided with dedicated service cables given looped properties



What have we done so far?

Funding	Approvals	Support to customers	Digitisation
For existing domestic properties, where an upgrade to the existing electricity supply is needed; this is funded from allowances and not by the individual customer	A further assessment is now done to understand whether the LCT installation can go ahead in association with load management as a temporary arrangement whilst we complete the work	Dedicated team established to manage this work stream, 30 FTE increase over the last 12 months Enhanced site surveys	Working with the ENA to digitalise the notification and application processes

意

Customer awareness of potential DNO involvement	Affected 3 rd parties	Sign-off of works at site survey
Requirement to access service cables under driveways	Internal works	Reinstatement expectations
Time to complete work	Installations with no notification to DNO	Notifications that should have been an application

×

What are we working towards for ED2?

Build customer awareness

Digitisation and automation of the application process to simplify, to resolve data integrity and to manage response times given expected growth

Evolve customer journey based on feedback and learnings from the challenges experienced

Development of engineering solutions and increased use of technology to minimise customer disruption

Manage the growth to ensure we are operating at the correct resource levels

Tender a contract to have a dedicated delivery partner reflecting specialism of works and expected growth

57

Roundtable discussion





Even though we are seeing a massive uptake, we know people are still not engaged and are at risk of being left behind; so we would like to know what your views are...

- Did you know you had to tell us about a EV / HP / PV installation or your installer has to?
- If you've had an installation...
 - How hard or easy was it?
 - What would make a difference to the service to be easy?
- If you haven't...
 - What is stopping you?
 - What are your concerns and questions?









Your feedback





How to access mentimeter:

- Open your web browser
- Head to **www.menti.com**
- Use the code **617 727 66** to access polling (this is a different code to earlier poll)
- Please answer the five feedback questions to help us improve





Your feedback: We want to hear your views on this event, so we can make it better for you next year.

- 1. Overall how **satisfied** were you with today's event?
- 2. Which **topic** did you find **most interesting?**
- 3. What **topics** would you like us to cover at future events?
- 4. When planning future events like this, what should we improve?
- 5. Where did you **hear** about the event?



Pelectricity north west

Bringing energy to your door

Thank you

Stay connected... F III O in www.enwl.co.uk