

Annual Carbon Reporting Webinar

Public Sector Decarbonisation Scheme





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What is an annual carbon report?

- Why we do it
- What's new this year?

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Who is this for?

Successfully completed (or partially-completed*) PSDS projects by Mar 2024

Phases 1, 2, 3a, 3b (single year)

* Partial completions: Where **any** PSDS measure is complete, even if the rest are not



Annual carbon reporting

Public Sector **Decarbonisation** Scheme

- Scheme success
- Pinpoint any recurring issues
- Understand the process of bedding in new low-carbon and energy efficiency technologies

Grant Offer Letter criteria: measure and report to Salix energy figures for three years post-completion.



ACR this year: measurement and verification

Aims:

- Improve the quality and accuracy of reported carbon savings
- Be able to account for variations in energy demand

Changes

- Monthly data – baseline and post-completion
- 'Non-routine changes' that impact energy use

What is measurement & verification?

A process to isolate a saving from other factors that affect energy use.

Purposes:

- Attribute savings to discrete energy saving actions or interventions.
- In energy performance contracts – measure the savings and compare them to the guarantee
- Ultimately reduce uncertainty in project outcomes.





The benefits of good measurement & verification

Performance

- Improve savings
- Identify equipment issues
- Pinpoint areas to improve operations

Knowledge

- Educate about energy use
- Understand variances in utility data

Enabling

- Introduces accountability
- Reduces uncertainty via transparency

Allows for the evaluation of funded programmes

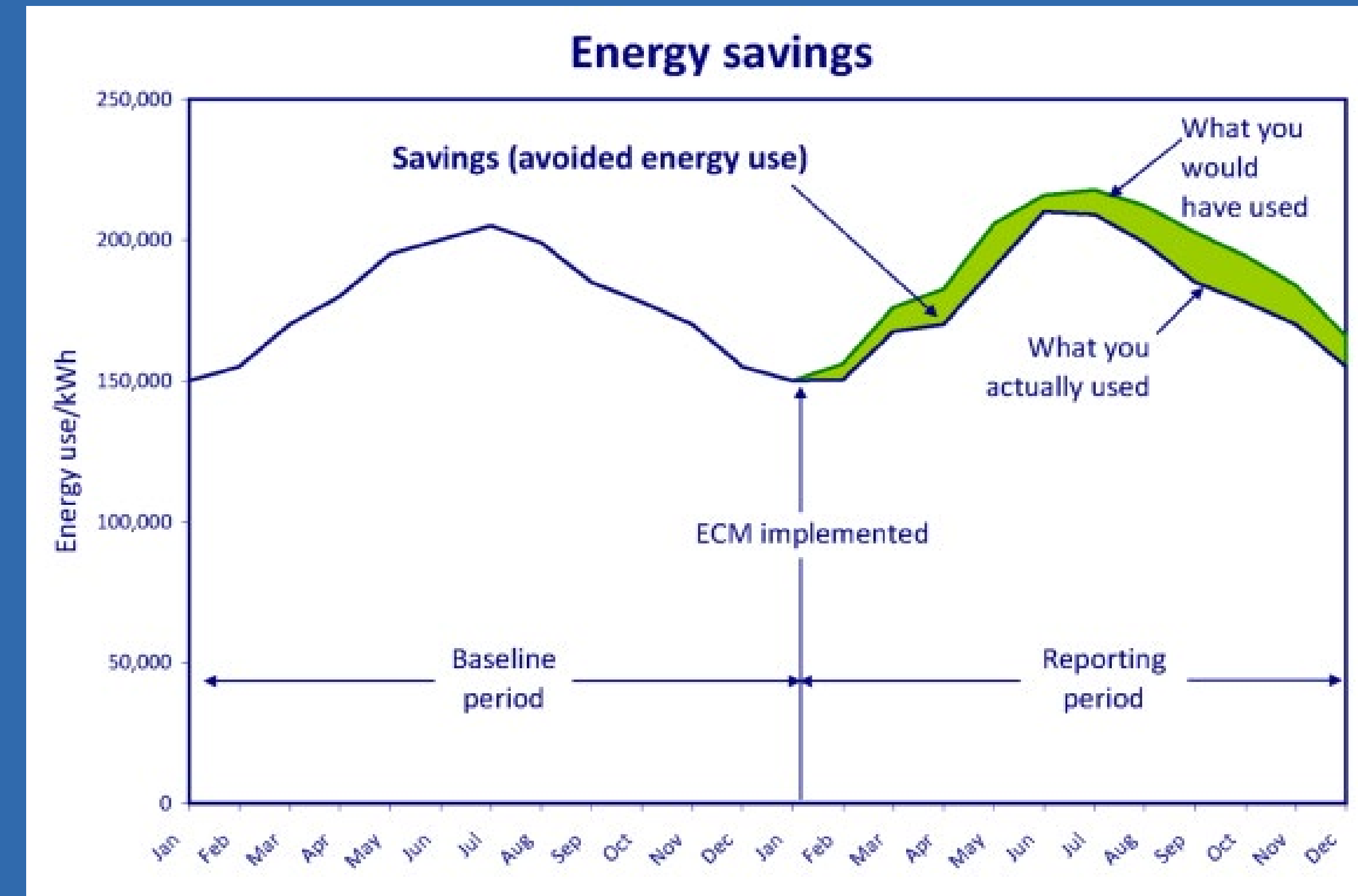
Measuring your carbon

~~(Energy/carbon) savings~~ ❌

Avoided (energy/carbon) ✅

We measure the difference between energy in:

- Weather-adjusted baseline
- Current reporting period (financial year)

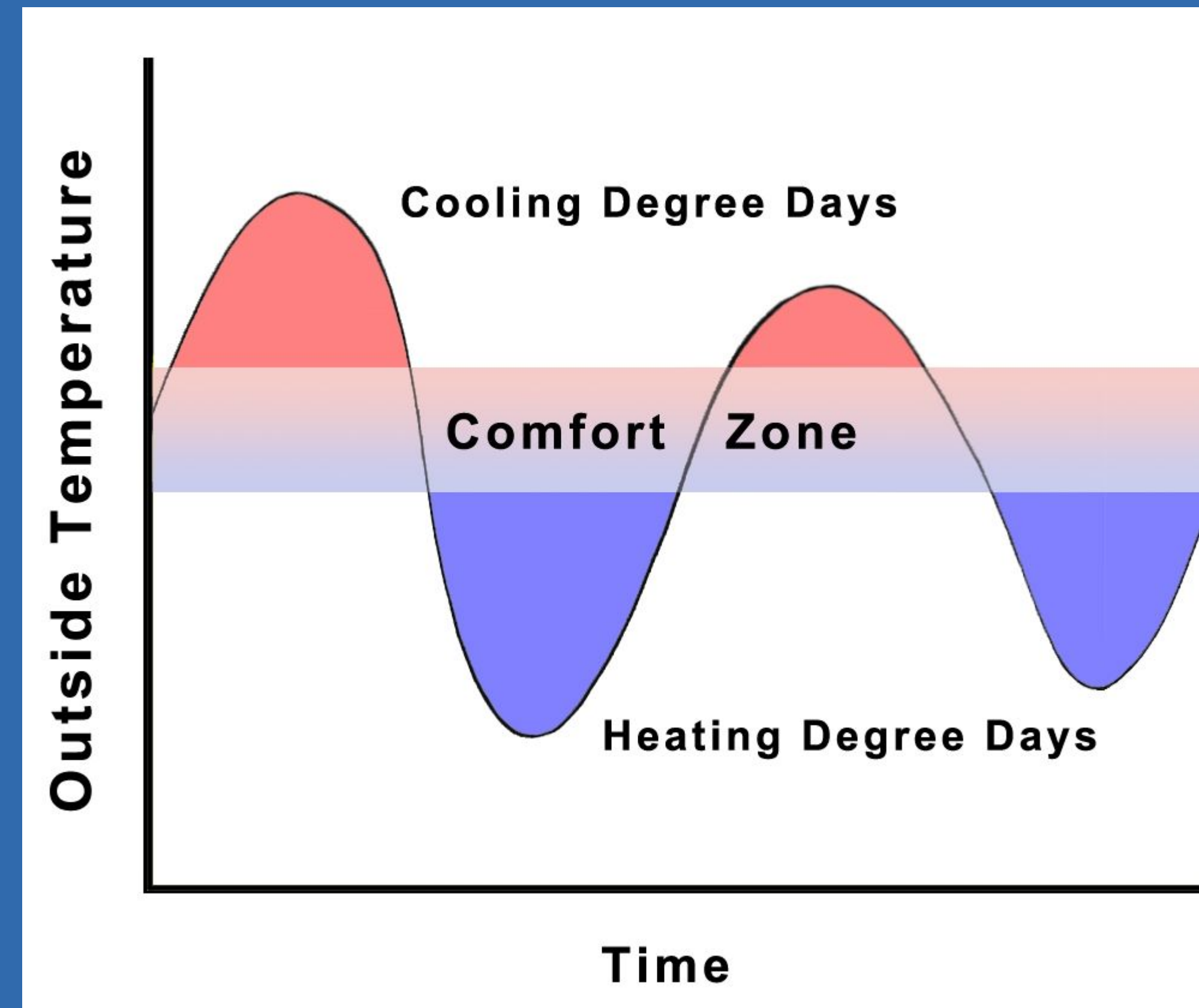


ACR form: weather-adjustment regression

What if certain years are colder or hotter than usual?

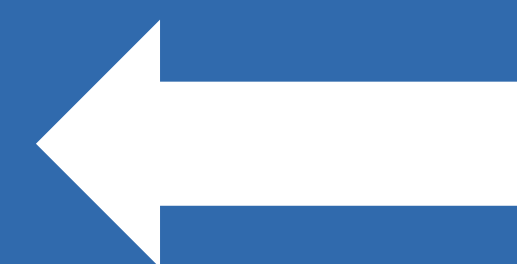
Cold years = more heating = less carbon saved than expected

We can account for this using 'degree days'



ACR form: introduction

Submission ID	Grant Recipient Organisation



Enter your submission ID and organisation name

Region	Disclose M&V plan	ACR submission date



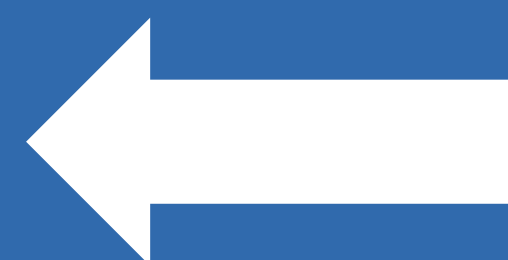
Then add your region, whether you have an M&V plan, and submission date

Person Responsible for this ACR (This should be a representative from the Grant Recipient Organisation)		Calculated Total Avoided Emissions (tCO ₂ e)
Name	John Smith	1479.6
Role	Building energy manager	



Add your name and role

Bespoke Carbon Factor 1 (kg/kWh)	Bespoke Carbon Factor 2 (kg/kWh)



If you have a bespoke carbon factor, enter it here



ACR form: energy usage

Building data

Building number	UPRN	Building Name	Building type	Fuel/energy type	On-site Generation Impact	Date all measures commissioned by
Example Building 1		Example building name	Other	Fuel oil	Affected by CHP	01/01/2023
Example Building 1		Example building name	Other	Electricity	Not Affected	01/01/2023

Energy baseline

Building number	Baseline year Start date	Baseline year End date	Month 1 Energy usage (kWh)	Month 2 Energy usage (kWh)
Example Building 1	01/04/2019	31/03/2020	100,000	100,000
Example Building 1	01/04/2019	31/03/2020	50,000	50,000



Add monthly data from your baseline year

Energy usage

24-25 year Start date	24-25 year End date	April Energy usage (kWh)	May Energy usage (kWh)	June Energy usage (kWh)
01/04/2024	31/03/2025	10,000	10,000	10,000
01/04/2024	31/03/2025	100,000	100,000	100,000



Add monthly data from 2024/25

ACR form: non-routine changes

Building name	Fuel/energy type	From	To	Non-routine change (select)	% Impact on energy usage (estimated)	Commentary
Example Building 1	Fuel oil	08/11/2024		Occupancy/usage change	-20.00%	Working from home one day a week introduced
Example Building 1	Electricity	08/11/2024		Occupancy/usage change	-20.00%	Working from home one day a week introduced

Non-routine adjustment (select)	% Impact on energy usage (estimated)
Occupancy/usage change	-20.00%
Occupancy/usage change	-20.00%
Floor area (heated) change	20.00%
Equipment non-functional	
Floor area (heated) change	
Missing energy data	
Occupancy/usage change	
Operating hours change	
PSDS-project plant or equipment changes	
Set point temperature change	
Site closure or disposal	
Unrelated works - additional improvements	
Unrelated works - maintenance or repair	
Other (specify in commentary)	

Tell us about changes to your buildings that impact your energy use.

We want to isolate the savings achieved by your PSDS measures

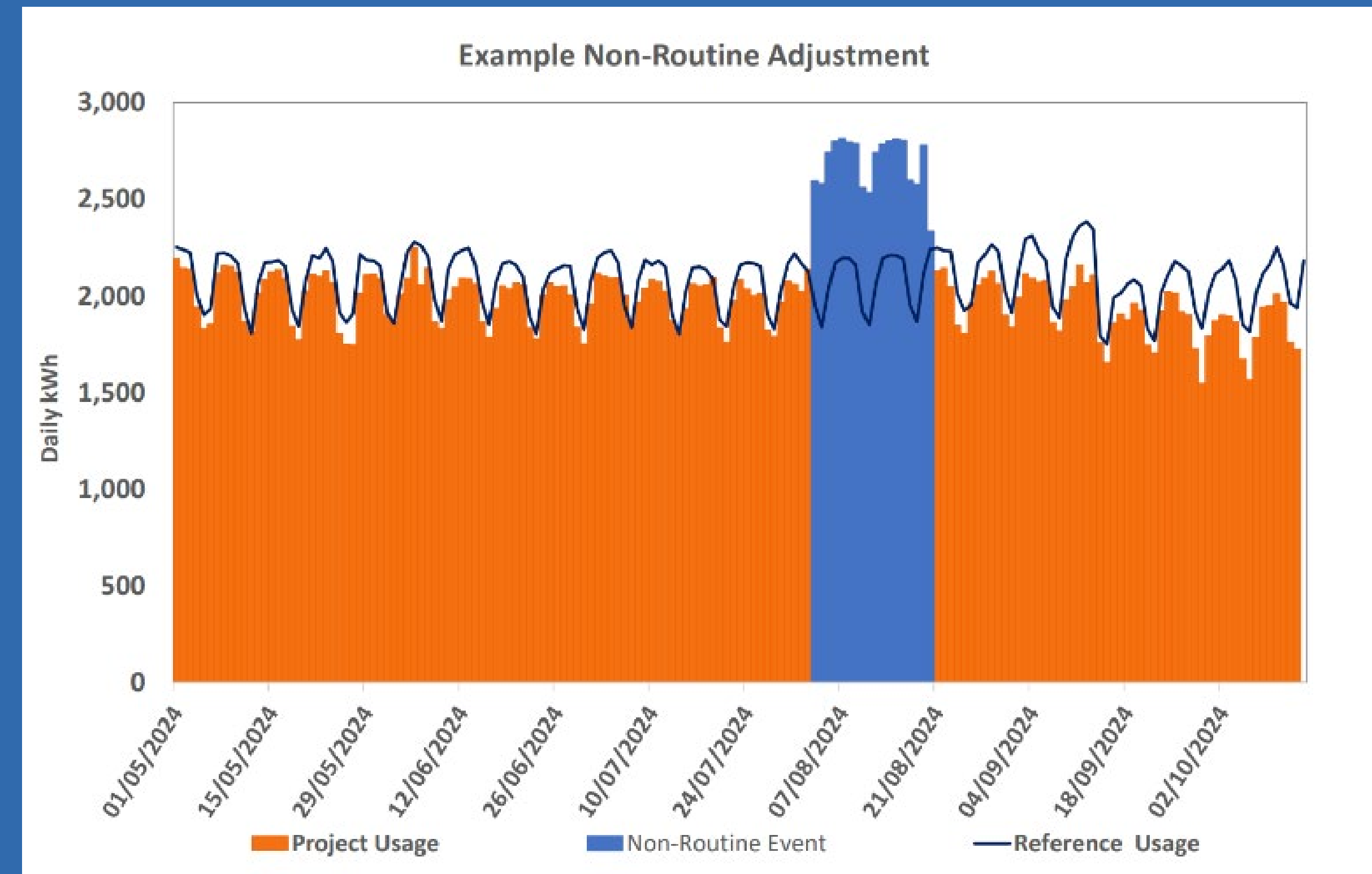
Non-routine changes visualised

Anything that changes beyond your baseline conditions

Could be temporary or permanent

Please estimate its impact on your measured energy use.

% Impact on energy usage (estimated)	
	-20.00%
	-20.00%



Key dates

Please return your ACR forms to us by **1st October** 2025.

How we can help you

Our website has a guidance page and Frequently Asked Questions

Email: reporting@salixfinance.co.uk

Questions?

www.salixfinance.co.uk

