

Climate Change Agreements: SATS and PATS

Sector Assessment Template and Performance Account Template

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CCA TIMELINE



Current Climate Change Agreements	2019	2020	20)21	2022	2023	2024	2025
Target Period	TP4 Jan 2	019 - Dec 2020	TP	² 5 Jan 2021 - Dec 2022		Fallow Year - not reported to EA	TP6 Jan 2024 - Dec 2024	
Reporting	Jan - Apr	Jan - Apr	Jan - Apr		Jan - Apr	Jan - Apr	Jan - Apr	Jan - Apr
Buy-out payment due if applicable	June		June			June		June
Certification period	Jul 17 - Jun 19	July 2019 - June 202	21		July 2021 - June 202	:3	July 2023 - June 202	Jul 25 - Jun 27

Nb. Labelled here as TP1, TP2, TP3, but may be known as TP7, TP8, TP9 (tbc).

New Climate Change Agreements	2025	2026	20)27	2028	202	29	2030	2031
Target Period	Fallow Year - not reported to EA	TP1 Jan 2026 - Dec 2026	TP	² 2 Jan 202	7 - Dec 2028	TP:	3 Jan 202	9 - Dec 2030	
Reporting	Jan - Apr	Jan - Apr	Jan - Apr		Jan - Apr	Jan - Apr		Jan - Apr	Jan - Apr
Buy-out payment due if applicable	June		June			June			June
Certification period	Jul 23 -		7	J	luly 2027 - June 2029	9		July 2029 - June 203	Jul 31 - Mar 33

KEY DATES THIS YEAR



January 2025 28th February 2025

Feb/Mar 2025

Reporting spreadsheets issued to collect 2024 data

Deadline for returning 2024 completed data collection spreadsheets

New PAT (Performance Accounting Template) will be issued by DESNZ to collect energy efficiency and decarbonisation actions that can explain TP6 performance. Will be mandatory to return (date tbc).

Actions for target setting exercise and joining the new scheme	Date
Data collection and target setting process letters sent to sector associations	Expected Feb/Mar 2025
Data collection exercise begins	Expected Feb/Mar 2025
Applications for new entrants open	1 st May – 31 st August 2025
Government to send target offer letters to sector associations	May/June 2025
Final negotiations between Sectors and DESNZ	Jul 2025
DESNZ issue final target offers to sectors & instruct the Environment Agency to prepare agreements	Sep 2025
Sector associations distribute targets amongst participants for agreement with the Environment Agency	Oct 2025
New umbrella and underlying agreements issued and assented	Oct-Nov 2025
Amendments to legislation to be in force	Dec 2025



Sector Assessment Template and Performance Account Template (SATS & PATS)

SATS

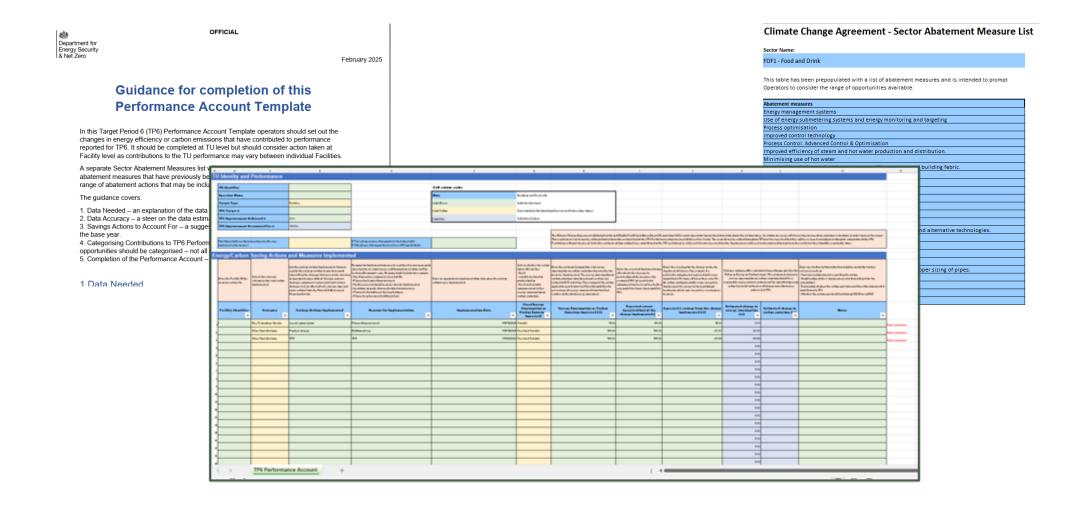
- To feed into the new CCA scheme
- Collects 2022 base year information
- Completed at facility level
- Collects data to help with sector target setting for the new scheme

PATS

- Part of TP6 Reporting
- Mandatory Penalties if not completed
- Completed at Target Unit Level
- Collect energy efficiency and decarbonisation actions that can explain TP6 performance

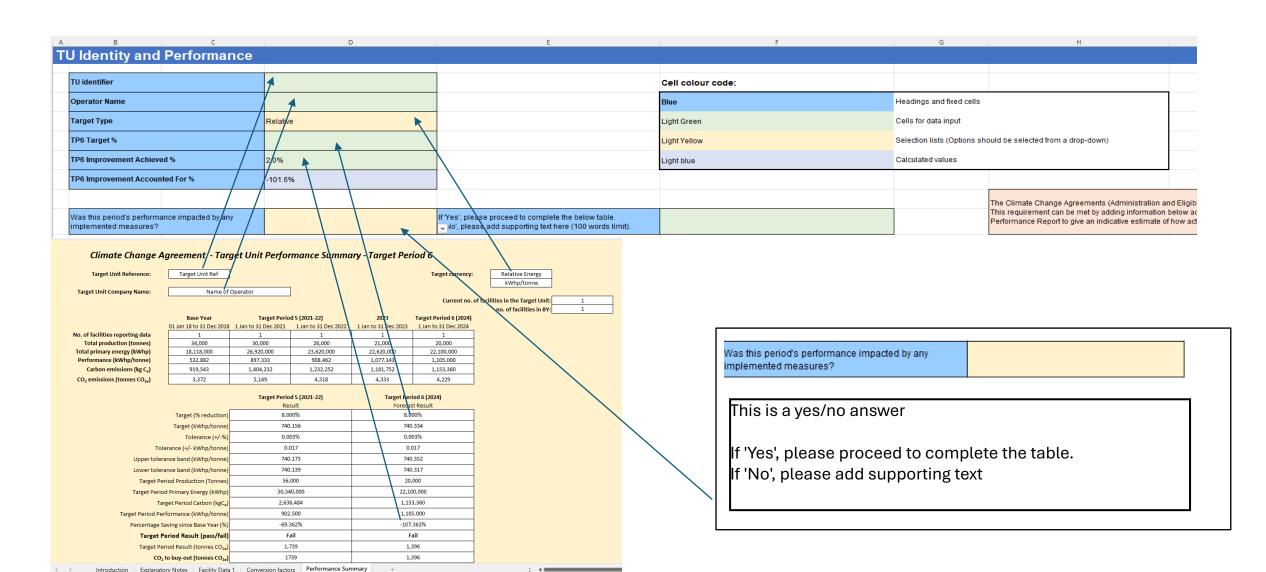


Performance Account Template (PATS) - Completion



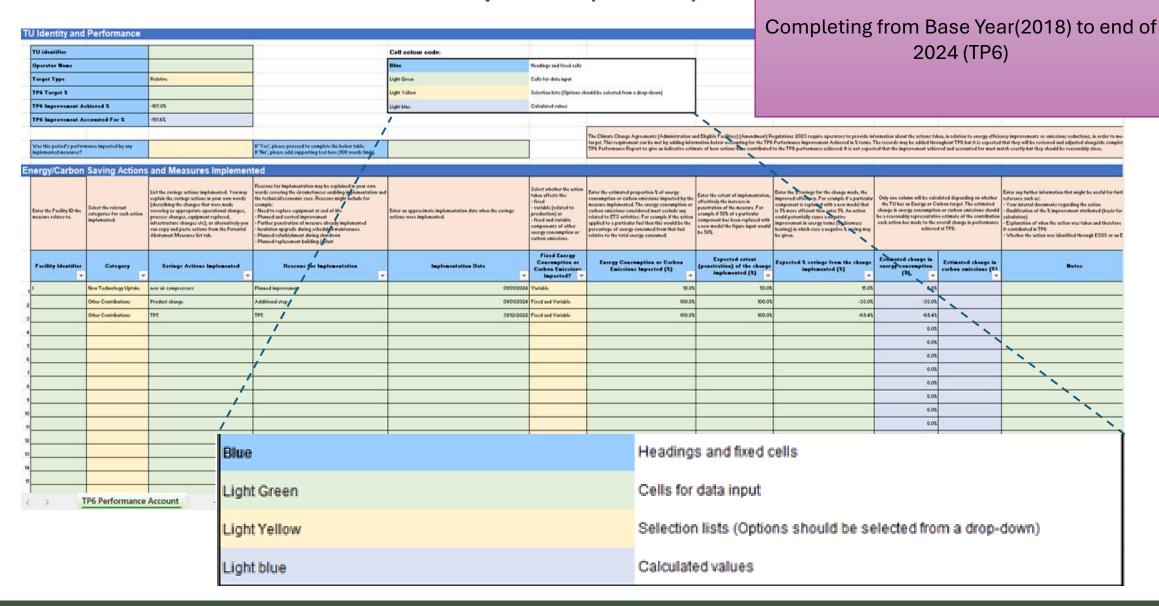


Populate PAT using TP6 Data Collection Form



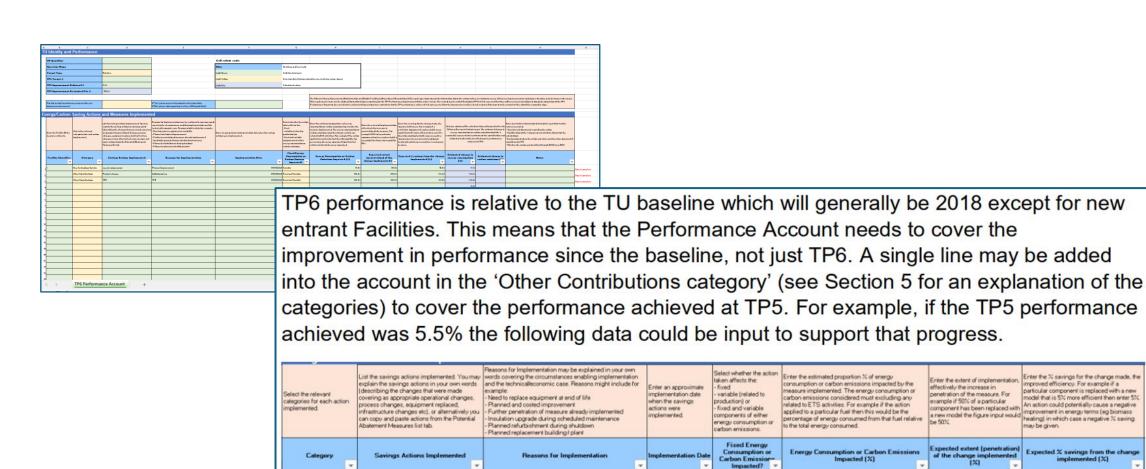


Performance Account Template (PATS)





Performance Account Template (PATS) – 2018 to 2022



This line accounts for the TP5 performance achived

Other Contributions

TP5 performance achieved

This is an illustration of what can be input to account for the contribution to your TP5 performance

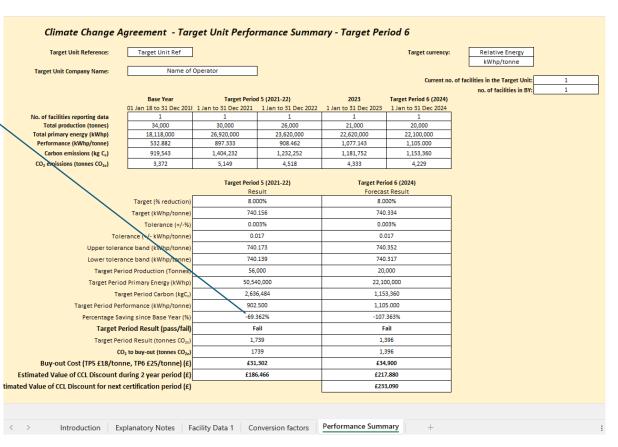


Up to TP5 performance

TP6 performance is relative to the TU baseline which will generally be 2018 except for new entrant Facilities. This means that the Performance Account needs to cover the improvement in performance since the baseline, not just TP6. A single line may be added into the account in the 'Other Contributions category' (see Section 5 for an explanation of the categories) to cover the performance achieved at TP5. For example, if the TP5 performance achieved was 5.5% the following data could be input to support that progress.

Select the relevant categories for each action	List the savings actions implemented. You may explain the savings actions in your own words	Need to replace equipment at end of life Planned and costed improvement.	actions were implemented.	variable (related to production) or	related to ETS activities. For example if the action applied to a particular fuel then this would be the	Enter the extent or implementation, effectively the increase in penetration of the measure. For example if 50% of a particular component has been replaced with a new model the figure input would to the control of the control	Enter the X savings for the change made, the improved efficiency. For example if a particular component is replaced with a new model that is SX more efficient then enter SX. An exion could contralially cause a negative improvement in energy terms (eq biomass healing) in which case a negative X seeing may be given.
Category	Savings Actions Implemented	Reasons for Implementation	Implementation Date	Fixed Energy Consumption or Carbon Emission- Impacted?	Energy Consumption or Carbon Emissions Impacted (%)	Expected extent (penetration) of the change implemented (%)	Expected % savings from the change implemented {%}
Other Contributions	TP5 performance achieved	This line accounts for the TP5 performance achived.	30/13/2022	Fixed and Variable	100.0%	100.0%	5.5%

This is an illustration of what can be input to account for the contribution to your TP5 performance





PAT – TP5 Input

ΤL	J Identity and	Performance										
П	TU identifier				Cell colour code:							
П	Operator Name				Blue	Headings and fixed cells						
	Target Type		Relative		Light Green	Cells for data input						
	TP6 Target 2				Light Yellow	Selection lists (Options sh	ould be selected from a drop-down)					
	TP6 Improvement Ac	hiered Z	-107.0%		Light blue	Calculated values						
	TP6 Improvement Ac	counted For 2	-69.4%									
							The Climate Change Agreements (Administration ar					
	Was this period's perform implemented measures?	nance impacted by any		If "Yes", please proceed to complete the below table. If "No", please add supporting text here (100 words limit).			target. This requirement can be met by adding infor TP6 Performance Report to give an indicative estin					
Er	nergy/Carbon	Saving Actions	and Measures Implemen	ted								
	Enter the Facility ID the measure relates to.	Select the relevant categories for each action implemented.		Reasons for Implementation may be explained in your own words covering the circumstances enabling implementation and the technical/economic case. Reasons might include for example. Need to replace equipment at end of life	Enter an approximate implementation date when the savings actions were implemented.	Select whether the action taken affects the: - fixed - variable (related to production) or - fixed and variable components of either energy consumption or carbon emissions.	Enter the estimated proportion % of energy consumption or carbon emissions impacted by the measure implemented. The energy consumption or carbon emissions considered must exclude any related to ETS activities. For example if the action applied to a particular fuel then this would be the percentage of energy consumed from that fuel relative to the total energy consumed.	Enter the extent of implementation, offectively the increase in penetration of the measure. For example if 500 of a particular component has been replaced with a new model the figure input would be 50%.	Enter the % savings for the change made, the improved efficiency. For example if a particular component is replaced with a new model that is 5% more efficient then enter 5%. An action could potentially case a negative improvement in energy terms (eg biomass heating) in which case a negative % saving may be given.	Only one column will be calcu the TU has an Energy or Ca change in energy consumption be a reasonably representative each action has made to the o achieved	rbon target. The estimated n or carbon emissions should e estimate of the contribution overall change in performance	- 1
	Facility Identifier	Category ▼	Savings Actions Implemented	Reasons for Implementation	Implementation Date	Fixed Energy Consumption or Carbon Emissions Impacted?	Energy Consumption or Carbon Emissions Impacted (2)	Expected extent (penetration) of the change implemented (%)	Expected 2 savings from the change implemented (2)	Estimated change in energy consumption (2)	Estimated change in carbon emissions (2)	
1	1	Other Contributions	TP5	TPS	31/12/2022	Fixed and Variable	100.0%	100.0%	-69.4%	-69.4%		
2			▼							0.02		
3										0.02		
4										0.0%		



Performance Account Template (PATS)

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						The Climate Change Agreements (Administration o	ad Filiphia Facilities) (Amendment) D	conditions 2020 require aperators to provide in	formation shout the setions to	des is relation to encross effici	care improvements or emissions sudurtions in and
a'sa this period's perform apiemented mescures?	munce impacted by uny		If "Yes", please proceed to complete the below table. If "No", please add supporting test here (100 words limit).			target. This requirement can be not by adding info TP6 Performance Report to give an indicative estimate.	mation below accounting for the TP6	Performance Improvement Achieved in % terms.	The records may be added the	roughout TP6 but it is expected	d that they will be reviewed and adjusted alongside
ergy/Carbon	Saving Actions	and Measures Implemen	ited								
List the principle to contain relation to the principle to contain relation relation to contain relation to contain relation rel		List the sivings section implemented. You may explain the remines sections in your own words (describely the changes that were made counting as appropriate operational changes, process changes, equipment explicate, interesting the changes etc.), or the same share of the change etc.) or the post of the pos	Pozone for Implementation may be explained in your own woods covering the circumstances exhibits implementation and the technical excessions. Foreign might include for example: - Next to replace, equipment at ord of the - Phaned and control improvement - Partial posterior of measures already implemented - Institution of province already implemented - Institution approved during published minimates Planned referrablement during institution - Planned referrablement during institution.	Enter an approximate implicated date when the swings actions were implemented.	Soloct whether the action taken affects the: - fixed - minibble (included to production) or - fixed and runiable components of either energy consumption or curbon uniciono.	Eater the estimated proportion & of energy communication or cubino minimient imported by the microri implamented. The energy communities couldness minimize considered mater clouds any related to ETE solitistics. For example, if the solition splitted to particular field that their world for the precedings of energy command from that field relativistics for the total energy command.	effectively the increase in possitration of the measure. For example if 50% of a particular component has been replaced with a new model the figure input would be 50%.	Eater the 't swinge for the change mode, the improved difficiency. For example, it is particular component in replaced with a new model that in 'the more difficient than eater St. As action could potentially cause a negative, improvement in energy terms (or phisonaus hashing) in which case a negative, it swings may be given.	the TU has an Energy or C change in energy consumpti be a reasonably representati each action has made to the	ive estimate of the contribution	- Your internal documents regarding the action - Qualification of the & improvement attributed (b
Facility Identifier	Category	Earlings Actions Implemented	Resons for Implementation	Implementation Date	Fixed Energy Consumption or Carbon Emissions Impacted?	Energy Consumption or Carbon Emissions Impacted (%)	Expected extent (penetration) of the change implemented (2)	Expected & savings from the change implemented (&)	Estimated change in energy consumption (2)	Estimated change in carbon emissions (21	Notes
	New Technology Uptake	new sir compressors	Plused inprovement	0901/2024	Variable	10.01	50.04	15.0%	0.81	4	
	Other Costributions	Product change	Additional step	09012024	Fixed and Variable	900.00	100.0%	-03.0\$	-33.01		
	Other Costributions	TPS	TPS	3912/2023	Fixed and Yarishis	100.04	100.03	-63.43	-69.43		
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En	nergy/Carbon	Saving Action	s and Measures Impleme	ented				
	Enter the Facility ID the	Select the relevant categories for each action implemented.	List the savings actions implemented. You may explain the savings actions in your own words (describing the changes that were made covering as appropriate operational changes, process changes, equipment replaced, infrastructure changes etc), or alternatively you can copy and paste actions from the Potential Abatement Measures list tab.	Reasons for Implementation may be explained in your own words covering the circumstances enabling implementation and the technical/economic case. Reasons might include for example: - Need to replace equipment at end of life - Planned and costed improvement - Further penetration of measure already implemented - Insulation upgrade during scheduled maintenance - Planned refurbishment during shutdown - Planned replacement building / plant				
	Facility Identifier	Category	Savings Actions Implemented	Reasons for Implementation	Implementation Date			
	▼	▼	▼	▼	▼			
1	I	Other Contributions	TP5	TP5	31/12/2022			
2		Other Contributions	Product change	Additional step	01/01/2024			
3		New Technology Uptake	new air compressors	Planned improvement	01/01/2024			
4								



- fixed - variable (related to production) or - fixed and variable components of either	effective to the total energy consumption or Carbon Emissions Impacted by the effective to the total energy consumed. Energy Consumption or Carbon Emissions Impacted (%) 100.0%	effectively the increase in	Enter the % savings for the change made, the improved efficiency. For example if a particular component is replaced with a new model that is 5% more efficient then enter 5%. An action could potentially cause a negative improvement in energy terms (eg biomass heating) in which case a negative % saving may be given.	Only one column will be calculated depending on whethe the TU has an Energy or Carbon target. The estimated change in energy consumption or carbon emissions shou be a reasonably representative estimate of the contributio each action has made to the overall change in performanc achieved at TP6.				
Fixed Energy Consumption or Carbon Emissions Impacted?	Energy Consumption or Carbon Emissions Impacted (%)	Expected extent (penetration) of the change implemented (%)	Expected % savings from the change implemented (%)	Estimated change in energy consumption (%)	Estimated change in carbon emissions (%)			
Fixed and Variable	100.0%	100.0%	-69.4%	-69.4%				
Fixed and Variable	100.0%	100.0%	-33.0%	-33.0%				
Variable	10.0%	50.0%	15.0%	0.8%				





Sector Assessment Template (SATS)

- Provide the Environment Agency (EA) with the data they need to set a baseline for each facility in the new CCA scheme.
- Aid the Department of Energy Security & Net Zero (DESNZ) to set robust targets for the whole duration of the upcoming new CCA scheme. Therefore, this is a one-off process which will only be needed once for the new scheme, and the amount of information it asks for is proportionate to this



Sector Assessment Template (SATS) - Files



CCA SAT 2025 v1 With Examples



CCA SAT 2025 v1



DESNZ Privacy Notice - CCA Savings Assessment Template

Authors: OFFICE



DESNZ_Feb25_Facility Energy and Carbon Savings Assessment Tool Completion Guidan...

Authors: Montgomery, Luke (Energy Security)



FDF CCA New Scheme Survey

Authors: Lucinda Peart



SATS - Instructions

Instructions for the Facility Energy and Carbon Savings Assessment Tool (Publication date: 18/02/25, Version: 3.7)

A Facility Operator (or their consultant) should complete one template for each facility participating in the new Climate Change Agreement (CCA) scheme from 2025-2030.

Completing this template for your facility (facilities) is **only needed once for the new CCA scheme**. The input required is therefore proportionate to the 6 years of CCA relief that recipients will receive, and will ensure that appropriate targets are set for each Target Period. A key aim of the new scheme is to drive additional energy and carbon savings in exchange for substantive CCL relief from 2027-2033.

In entering the proposed demand-side and supply-side measures into the SAT, please be ambitious with the savings you can achieve between now and December 2030. The output tab of the SAT allows each facility to see the implied energy and carbon savings from the measures they propose.

ALL FACILITIES MUST COMPLETE TABS 1 & 2

Tab 1: Facility Details: Basic information about your facility.

Tab 2: Facility Details: Base Year Energy Consumption: Data on energy consumption, by fuel, during the 2022 base year. Production, energy consumption by product.

IF INDICATED BY YOUR TRADE ASSOCIATION, PLEASE COMPLETE TABS 3, 4a AND 4b FOR THE RELEVANT FACILITY:

Tab 3: Demand Side Measures: Please list a) all measures implemented between 2023-2024 that impact the 2022 baseline, and b) all measures the facility intends to undertake as a result of the new CCA scheme 2025-2030.

Tab 4.a: Supply Side Measures: Please list a) all measures implemented between 2023-2024 that impact the 2022 baseline, and b) all measures the facility intends to undertake as a result of the new CCA scheme 2025-2030.

These measures include: Switching Non-Renewable Fuels, and Switching to Biomass Heating, Switching to Renewable Power as well as Other measures.

Tab 4.b: Switching to CHP: Please list a) all measures implemented between 2023-2024 that impact the 2022 baseline, and b) all measures the facility intends to undertake as a result of the new CCA scheme 2025-2030.

There is an additional (purple) tab at the end of the workbook that does not require any input but provides information on the savings possible as a result of input savings opportunities.

Cells conducting calculations which feed into these outputs have been hidden to streamline the tool. For help completing this SAT please refer to accompanying guidance document, worked example and video at: <https://www.youtube.com/watch?v=Za2RDzyur3s>>

The savings data provided should draw on any information already existing for the Facility regarding energy efficiency including ISO 50001 EMS, ESOS audits and current investment plans.

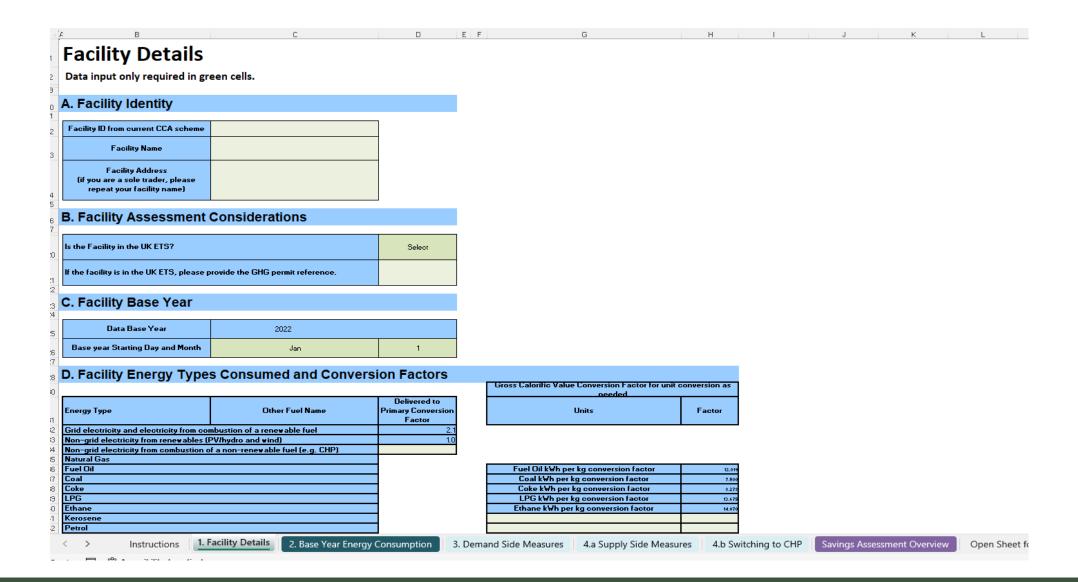
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Light Green	Cells for data input
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Light blue	Calculated values



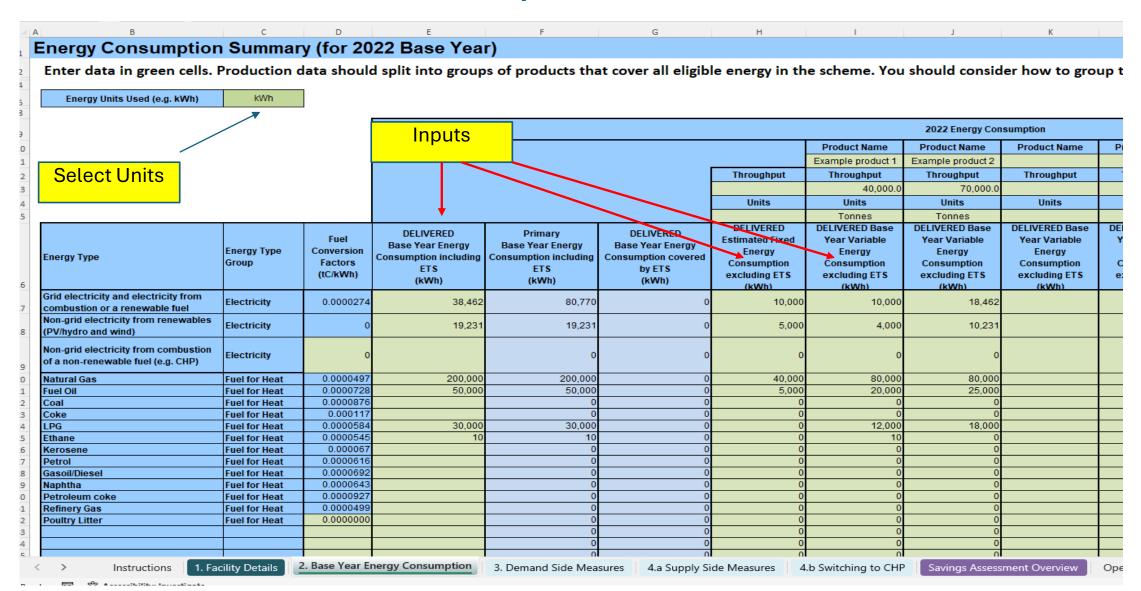


SAT - Facility Details





SAT – Base Year Consumption





SAT – Demand Side Measures

3. Demand Side Measures

Input data into Green Cells. Please list a) all measures implemented between 2023-2024 that impact the 2022 baseline, and b) all measures the facility intends to undertake as a result of the new CCA scheme 2025-2030.

Data Completion Checks - NO INPL

10	Type of demand side measure	Demand side measure	Energy type	Proportion of DELIVERED energy consumption impacted (%)	DELIVERED Energy savings from Demand Side Measure	Basis for estimates provided	Is Measure Already Implemented?	Anticipated Implementation Year with CCA	Anticipated Implementation Year without CCA	Estimated payback time (years)	Energy Type Selection	Proportion of Impacted Energy Consumption Input
1	Energy Management	Improved Zone control of building aircon	Electricity	15.00%	2.00%	Own estimates	Yes	2023	2025	2		
2	New Technology Uptake	VSD	Electricity	10.00%	25.00%	Anticipated improvement based on ETL information	Yes	2024	2028	2		
3	Insulation Improvement	Additional insulation around gas fired furnace	Fuel for Heat	3.00%	5.00%	Additional insulation blanket thermal resistance calculations		2024	2030	3		
4	Infrastructure Improvement	Refurbish Building X	Fuel for Heat	Heat 5.00% 15.00% compliance with from BREEAM Unclassified to (New design energy use in compliance with upgrade from BREEAM Unclassified to Good		No 2027		10		
5	New Technology Uptake	Boiler replacement	Fuel for Heat		3.20%	Anticipated improvement based on ETL information	No	2028	2030	4		
3	Heat Recovery	Recover and reuse heat from air compressor	Fuel for Heat	10.00%	10.00%	Own estimates	No	2028	2030	8		
7	Select		Select				Select	Select	Select			
3	Select		Select				Select	Select	Select			
3	Select		Select				Select	Select	Select			
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4	> Instru	Instructions 1. Facility Details 2. Base Year Energy Consumption 3		3. Demand S	ide Measures 4.	a Supply Side Measur	res 4.b Switching	to CHP Savin	gs Assessme	nt Overview	Open Sheet fc •••	



SAT – Supply Side Measures

Select

Select

Select

Select

Select

1. Facility Details 2. Base Year Energy Consumption

4.a. Supply Side Opportunities Input data into Green Cells. Please list a) all measures implemented between 2023-2024 that impact the 2022 baseline, and b) all measures the facility intends to undertake as a result of the new CCA scheme 2025-2030. Quantity of annual Quantity of DELIVERED Energy Existing **Primary Energy** Replacement Replacement Quantity of Useful Description of (e.g. electricity, Is Measure Anticipated Anticipated Type of Supply Fuel Type Equipment **Currently Used** Replacement Fuel Equipment Quantity of Estimated payback Basis for estimate **Energy Currently** Supply Side natural gas) Already Implementation Implementation Side Measure Currently Used /Appliance (e.g. electricity. /Appliance **Primary Fuel** time (years) provided Used (kWh) Year with CCA Year without CCA **Currently Used** Implemented? Efficiency (%) Efficiency (%) natural gas etc.) (kWh) (Energy Units Used (kWh) (e.g. kWh)) Change Electric oven to Switching Non-Grid Elec 1000.000 100.0% 1000.000 2100.000 Yes 4 Own estimates. Renewable Fuel Biomass boiler using Switching to Biomass Based on manufacturer 1500.000 90.0% 1350,000 1500,000 Poultry Litter 90.0% 1500,000 2026 Poultry Litter to replace NGas No 2026 information. current das boiler Switching to Renewable 2000.000 2000.000 nstallation of PV Grid Elec 4200.000 Non Grid Elec Gen 2000.000 No 2028 2029 5 Retailer estimates. 0.000 Select Select 0.000 Select 0.000 Select Select Select Select 0.000 Select 0.000 Select Select Select Select Select 0.000 0.000 Select 0.000 Select Select Select 0.000 0.000 0.000 Select 0.000 0.000 Select 0.000 Select 0.000 0.000 0.000 Select Select Select Select Select Select 0.000 0.000 Select 0.000 Select Select Select Select Select 0.000 0.000 0.000 Select Select Select Select Select 22 23 Select 0.000 0.000 Select 0.000 Select Select Select Select 0.000 0.000 Select 0.000 Select Select 0.000 0.000 0.000 Select 0.000 0.000 0.000 0.000 0.000 0.000 Select Select Select

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3. Demand Side Measures 4.a Supply Side Measures 4.b Switching to CHP

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Savings Assessment Overview

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SAT – Switching to CHP

4.b. Switching to CHP

Input data into Green Cells. Please list a) all measures implemented between 2023-2024 that impact the 2022 baseline, and

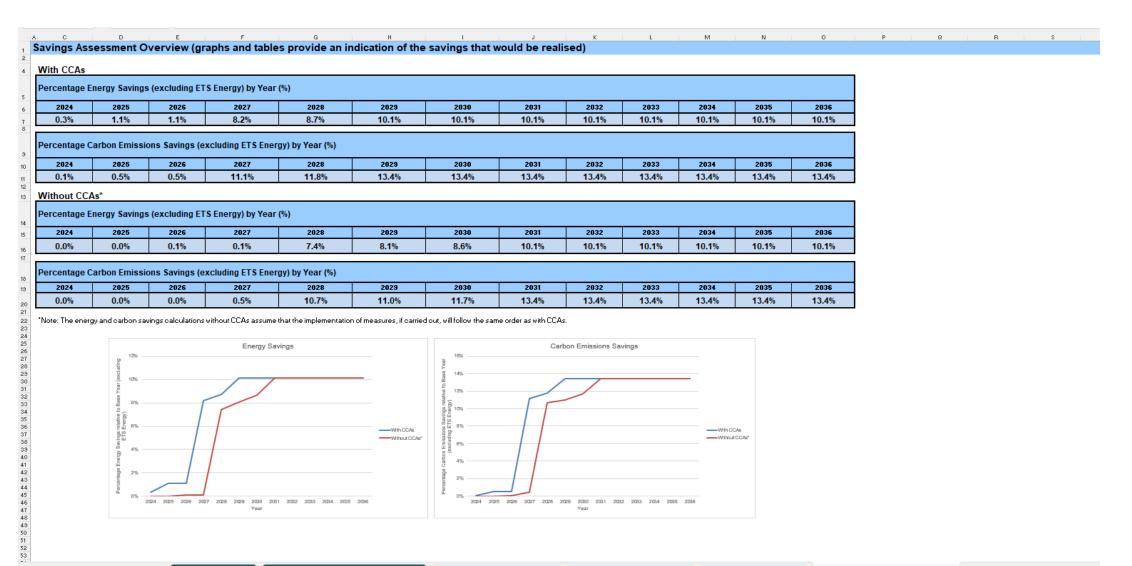
b) all measures the facility intends to undertake as a result of the new CCA scheme 2025-2030.

10	Description of switch to CHP	Existing Fuel Type Consumed to Generate Heat Displaced by CHP	Site heat demand (kWh)	% of Site Heat Demand to be met by CHP	Efficiency of Existing Heat Generation Plant	Existing Fuel Displaced (kWh)	Existing Type of Power Displaced by CHP	Existing Primary Energy for Heat Displaced by CHP (k\text{Wh})	Existing Primary Energy for Power Displaced by CHP (k\text{Wh})	Total Primary Energy for Existing Heat and Power Displaced by CHP (kWh)	Heat Generated by CHP (kWh)	Power Efficiency of CHP	Heat to Power Ratio of CHP	% Power Generated by CHP Consumed on Site	Type of Fuel to be Consumed by CHP	Total Primary Energy for CHP Consumption on Site (k\text{\text{W}h})	Is Measure Already Implemented?	Anticipated Implementation Year with CCA	Anticipated Implementation Year without CCA	Estimated payback time (years)	
"	Reciprocating engine	N Gas	80000.000	50%	85.0%	47058.824	Grid Elec	47058.824	28000.000	75058,824	40000.000	35.0%	1.5	50.0%	N Gas	48190.476	No	2026	2027		5 B:
11	CHP	Select				0.000	Select	0.000			0.000				Select	0.000	Select	Select	Select		inf
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19		Select				0.000	Select	0.000			0.000				Select	0.000	Select	Select	Select		
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21		Select				0.000	Select	0.000	0.000		0.000				Select	0.000	Select	Select	Select		4
22		Select				0.000	Select	0.000	0.000		0.000				Select	0.000	Select	Select	Select		4
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35		Select				0.000	Select	0.000			0.000				Select	0.000	Select	Select	Select		4
36		Select				0.000	Select	0.000	0.000						Select	0.000	Select	Select	Select		4
37		Select				0.000	Select	0.000			0.000				Select	0.000	Select	Select	Select		4
38		Select				0.000	Select	0.000			0.000				Select	0.000	Select	Select	Select		4
39		Select Select				0.000	Select Select	0.000							Select Select	0.000	Select Select	Select Select	Select Select		+
40		Select				0.000	Select	0.000							Select	0.000	Select	Select Select	Select		+
41		Select				0.000	Select	0.000			0.000				Select	0.000	Select	Select	Select		+
43		Select				0.000	Select	0.000			0.000				Select	0.000	Select	Select	Select		+
44		Select				0.000	Select	0.000			0.000				Select	0.000	Select	Select	Select		+
45		Select				0.000	Select	0.000			0.000				Select	0.000	Select	Select	Select		
46		Select				0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select		
47		Select				0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select		
48		Select				0.000	Select	0.000	0.000		0.000	_			Select	0.000	Select	Select	Select		
49		Select				0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select		
47		Select Select				0.000	Select Select	0.000 0.000	0.000	0.000	0.000				Select Select	0.000 0.000	Select Select	Select Select	Select Select		

2. Base Year Energy Consumption 3. Demand Side Measures 4.a Supply Side Measures 4.b Switching to CHP Savings Assessment Overview Open Sheet fc ••• + : •



SAT – Savings Assessment Overview







CHP Guidance

- (1) the primary energy associated with the CHP electricity generated and consumed within the Eligible Facility, and
- (2) the primary energy associated with the CHP heat generated and consumed in the Eligible Facility.

It is necessary to separate out the primary energy inputs to CHP in this way in the Base Year because the measures in <3.Demand Side Measures save different proportions of Base Year primary electricity and fuel for heat.

The primary energy for (1) is to be reported in Row 19 of <2. Base Year Energy Consumption>

The primary energy for (2) is to be reported in Rows >20 of <2. Base Year Energy Consumption>, according to the type of fuel input to the CHP.

The CHP algorithm is to be used in the normal way to calculate the quantities of fuel associated with (1) and (2). It is also to be used to calculate the ratio between delivered CHP electricity and its primary energy equivalent, which is to be reported in Cell D34 of <1. Facility Details>, and the Fuel Conversion Factor (tC/kWh), which gives the carbon emissions per unit of primary energy input, to be reported in Cell D19 of <2. Base Year Energy Consumption> and the primary energy>.

In the case of non-renewable CHP:

The CHP electricity generated and consumed in the Eligible Facility is to be treated as grid electricity and reported in Row 17 of <2. Base Year Energy Consumption>. The primary energy associated with such electricity is equal to the delivered electricity multiplied by the new 2.1 factor. Subtracting this quantity (delivered electricity * 2.1) from the fuel input to the CHP leaves the fuel deemed to have generated the CHP heat and this is to be reported in Rows >20 of <2. Base Year Energy Consumption>, according to the type of fuel input to the CHP. However, please note, as set out in Operations Manual Appendix D (example for renewable CHP), if:

Total Fuel Input to CHP < (Total Power Output from CHP * 2.1), then

Primary energy for CHP heat must be set to zero. In such a s case the CHP heat is effectively primary energy free.

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