

Climate Change Agreements: SATS and PATS

Sector Assessment Template and Performance Account Template

Mark Helsby

Head of Carbon and Energy
SLR - Corporate Sustainability

March 2025



CCA TIMELINE



Current Climate Change Agreements	2019		2020		2021		2022		2023		2024		2025		
Target Period	TP4 Jan 2019 - Dec 2020				TP5 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 2021			July 2021 - June 2023			July 2023 - June 2025			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		2027		2028		2029		2030		2031		
Target Period	Fallow Year - not reported to EA		TP1 Jan 2026 - Dec 2026		TP2 Jan 2027 - Dec 2028				TP3 Jan 2029 - 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 - Jun 25	July 2025 - June 2027				July 2027 - June 2029				July 2029 - June 2031				Jul 31 - Mar 33	



Legacy reporting, buy-out and certification from current CCA scheme

KEY DATES THIS YEAR



January 2025	Reporting spreadsheets issued to collect 2024 data
28th February 2025	Deadline for returning 2024 completed data collection spreadsheets
Feb/Mar 2025	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



OFFICIAL

February 2025

Guidance for completion of this Performance Account Template

In this Target Period 6 (TP6) Performance Account Template operators should set out the changes in energy efficiency or carbon emissions that have contributed to performance reported for TP6. It should be completed at TU level but should consider action taken at Facility level as contributions to the TU performance may vary between individual Facilities.

A separate Sector Abatement Measures list of abatement measures that have previously been reported for TP6. It should be completed at Facility level as contributions to the TU performance may vary between individual Facilities.

The guidance covers:

1. Data Needed – an explanation of the data
2. Data Accuracy – a steer on the data estimate
3. Savings Actions to Account For – a suggestion of the base year.
4. Categorising Contributions to TP6 Performance opportunities should be categorised – not all
5. Completion of the Performance Account – not all

1 Data Needed

Climate Change Agreement - Sector Abatement Measure List

Sector Name:

FDL1 - Food and Drink

This table has been prepopulated with a list of abatement measures and is intended to prompt Operators to consider the range of opportunities available.

Abatement measures
Energy management systems
Use of energy submetering systems and energy monitoring and targeting
Process optimisation
Improved control technology
Process Control: Advanced Control & Optimisation
Improved efficiency of steam and hot water production and distribution.
Minimising use of hot water

building fabric.

and alternative technologies.

oper sizing of pipes.

TU Identity and Performance									
TU Identification		TU Name		TU Address		TU Contact		TU Status	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address		TU Contact		TU Status		TU Identification	
TU Name		TU Address							



Populate PAT using TP6 Data Collection Form

TU Identity and Performance	
TU identifier	
Operator Name	
Target Type	Relative
TP6 Target %	
TP6 Improvement Achieved %	2.0%
TP6 Improvement Accounted For %	-101.6%
Was this period's performance impacted by any implemented measures?	<input type="checkbox"/> Yes, please proceed to complete the below table. <input type="checkbox"/> No, please add supporting text here (100 words limit).

Cell colour code:

Blue	Headings and fixed cells
Light Green	Cells for data input
Light Yellow	Selection lists (Options should be selected from a drop-down)
Light blue	Calculated values

The Climate Change Agreements (Administration and Eligibility) Regulations 2011
This requirement can be met by adding information below as part of the Performance Report to give an indicative estimate of how activities are managed to reduce emissions.

Climate Change Agreement - Target Unit Performance Summary - Target Period 6

Target Unit Reference:

Target Unit Company Name:

Target currency:

Current no. of facilities in the Target Unit:
no. of facilities in BY:

Base Year 01 Jan 18 to 31 Dec 2018	Target Period 5 (2021-22)		2023		Target Period 6 (2024)
	1 Jan to 31 Dec 2021	1 Jan to 31 Dec 2022	1 Jan to 31 Dec 2023	1 Jan to 31 Dec 2023	1 Jan to 31 Dec 2024
No. of facilities reporting data	1	1	1	1	1
Total production (tonnes)	34,000	30,000	26,000	21,000	20,000
Total primary energy (kWhp)	18,118,000	26,920,000	23,620,000	22,620,000	22,100,000
Performance (kWhp/tonne)	532.882	897.333	908.462	1,077.143	1,105.000
Carbon emissions (kg C ₄)	919,543	1,404,232	1,232,252	1,181,752	1,153,360
CO ₂ emissions (tonnes CO _{2e})	3,372	5,149	4,518	4,333	4,229

	Target Period 5 (2021-22) Result	Target Period 6 (2024) Forecast Result
Target (% reduction)	8.000%	8.000%
Target (kWhp/tonne)	740.156	740.334
Tolerance (+/- %)	0.003%	0.003%
Tolerance (+/- kWhp/tonne)	0.017	0.017
Upper tolerance band (kWhp/tonne)	740.173	740.352
Lower tolerance band (kWhp/tonne)	740.139	740.317
Target Period Production (Tonnes)	56,000	20,000
Target Period Primary Energy (kWhp)	50,540,000	22,100,000
Target Period Carbon (kgC ₄)	2,636,484	1,153,360
Target Period Performance (kWhp/tonne)	902.500	1,105.000
Percentage Saving since Base Year (%)	-69.362%	-107.363%
Target Period Result (pass/fail)	Fail	Fail
Target Period Result (tonnes CO _{2e})	1,739	1,396
CO ₂ to buy-out (tonnes CO _{2e})	1739	1,396

Introduction | Explanatory Notes | Facility Data 1 | Conversion factors | **Performance Summary**

Was this period's performance impacted by any implemented measures?

This is a yes/no answer

If 'Yes', please proceed to complete the table.
If 'No', please add supporting text



Performance Account Template (PATs)

Completing from Base Year(2018) to end of 2024 (TP6)

TU Identifier

Operator Name

Target Type

TP6 Target %

TP6 Improvement Achieved %

TP6 Improvement Accounted For %

Relative

-107.0%

-101.6%

Cell colour code:

Blue

Light Green

Light Yellow

Light blue

Headings and fixed cells

Cells for data input

Selection lists (Options should be selected from a drop-down)

Calculated values

Why this period's performance impacted by any implemented measures?

If 'Yes', please proceed to complete the below table. If 'No', please add supporting text here (100 words limit).

The Climate Change Agreement (Administration and Eligible Facilities) (Amendment) Regulations 2020 require operators to provide information about the actions taken, in relation to energy efficiency improvements or emissions reductions, in order to meet target. This requirement can be met by adding information below accounting for the TP6 Performance Improvement Achieved in % target. The records may be added throughout TP6 but it is expected that they will be reviewed and adjusted alongside complete TP6 Performance Report to give an indicative estimate of how actions have contributed to the TP6 performance achieved. It is not expected that the improvement achieved and accounted for must match exactly but they should be reasonably close.

Energy/Carbon Saving Actions and Measures Implemented

Enter the Facility ID the measure relates to.

Select the relevant categories for each action implemented.

List the savings actions implemented. You may explain the changes in your own words (describing the changes that were made covering 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 measures already implemented
- Isolation upgrades during scheduled maintenance
- Planned refurbishment during shutdown
- Planned replacement building plant

Enter an approximate implementation date when the savings actions were implemented.

Select whether the action takes 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, 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 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 1% more efficient than the old 5%. An action could potentially cause a negative improvement in energy terms (for biomass heating) in which case a negative % saving may be given.

Only one column will be calculated depending on whether the TU has an Energy or Carbon target. The estimated change in energy consumption or carbon emissions should be a reasonably representative estimate of the contribution each action has made to the overall change in performance achieved at TP6.

Enter any further information that might be useful for further reference such as:

- Your internal documents regarding the action
- Qualification of the % improvement attributed (basis for calculation)
- Explanation of when the action was taken and therefore if contributed in TP6
- Whether the action was identified through ESOS or an E

Facility Identifier	Category	Savings Actions Implemented	Reasons for Implementation	Implementation Date	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 (%)	Notes
1	New Technology Uptake	new air compressors	Planned improvement	09/01/2024	Variable	10.0%	50.0%	15.0%	6.4%		
2	Other Contributions	Product change	Additional step	09/01/2024	Fixed and Variable	100.0%	100.0%	-33.0%	-33.0%		
3	Other Contributions	TP5	TP5	31/03/2022	Fixed and Variable	100.0%	100.0%	-63.4%	-63.4%		
4									0.0%		
5									0.0%		
6									0.0%		
7									0.0%		
8									0.0%		
9									0.0%		
10									0.0%		
11									0.0%		
12									0.0%		
13									0.0%		
14									0.0%		
15									0.0%		

< >

TP6 Performance Account



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.

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 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/shed	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, effectively the increase in penetration of the measure. For example if 75% of a particular component has been replaced with a new model the figure input would be 75%.	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 than 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.
Category	Savings Actions Implemented	Reasons for Implementation	Implementation Date	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 (%)
Other Contributions	TP5 performance achieved	This line accounts for the TP5 performance achieved.	30/03/2022	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

Climate Change Agreement - Target Unit Performance Summary - Target Period 6

Target Unit Reference:

Target Unit Ref

Target Unit Company Name:

Name of Operator

Target currency:

Relative Energy
kWh/tonne

Current no. of facilities in the Target Unit:

1

no. of facilities in BY:

1

No. of facilities reporting data	Base Year	Target Period 5 (2021-22)		2023	Target Period 6 (2024)
	01 Jan 18 to 31 Dec 2018	1 Jan to 31 Dec 2021	1 Jan to 31 Dec 2022	1 Jan to 31 Dec 2023	1 Jan to 31 Dec 2024
Total production (tonnes)	1	1	1	1	1
Total primary energy (kWh)	34,000	30,000	26,000	21,000	20,000
Performance (kWh/tonne)	18,118,000	26,920,000	23,620,000	22,620,000	22,100,000
Carbon emissions (kg C _e)	532,882	897,333	908,462	1,077,143	1,105,000
CO ₂ emissions (tonnes CO _{2e})	919,543	1,404,232	1,232,252	1,181,752	1,153,360
	3,372	5,149	4,518	4,333	4,229

	Target Period 5 (2021-22)	Target Period 6 (2024)
	Result	Forecast Result
Target (% reduction)	8.000%	8.000%
Target (kWh/tonne)	740.156	740.334
Tolerance (+/- %)	0.003%	0.003%
Tolerance (+/- kWh/tonne)	0.017	0.017
Upper tolerance band (kWh/tonne)	740.173	740.352
Lower tolerance band (kWh/tonne)	740.139	740.317
Target Period Production (Tonnes)	56,000	20,000
Target Period Primary Energy (kWh)	50,540,000	22,100,000
Target Period Carbon (kgC _e)	2,636,484	1,153,360
Target Period Performance (kWh/tonne)	902.500	1,105,000
Percentage Saving since Base Year (%)	-69.362%	-107.363%
Target Period Result (pass/fail)	Fail	Fail
Target Period Result (tonnes CO _{2e})	1,739	1,396
CO ₂ to buy-out (tonnes CO _{2e})	1,739	1,396
Buy-out Cost (TP5 £18/tonne, TP6 £25/tonne) (£)	£31,302	£34,900
Estimated Value of CCL Discount during 2 year period (£)	£186,466	£217,880
Estimated Value of CCL Discount for next certification period (£)		£233,090

< >

IntroductionExplanatory NotesFacility Data 1Conversion factorsPerformance Summary

+



TU identifier		Cell colour code:	
Operator Name		Blue	Headings and fixed cells
Target Type	Relative	Light Green	Cells for data input
TP6 Target %		Light Yellow	Selection lists (Options should be selected from a drop-down)
TP6 Improvement Achieved %	-107.0%	Light blue	Calculated values
TP6 Improvement Accounted For %	-69.4%		
Was this period's performance impacted by any implemented measures?		If 'Yes', please proceed to complete the below table. If 'No', please add supporting text here (100 words limit).	The Climate Change Agreements (Administration and Eligible Facilities) (Amendment) Regulations 2023 require operators to provide information about the actions taken, in relation to energy efficiency target. This requirement can be met by adding information below accounting for the TP6 Performance Improvement Achieved in % terms. The records may be added throughout TP6 but it is expected that the TP6 Performance Report to give an indicative estimate of how actions have contributed to the TP6 performance achieved. It is not expected that the improvement achieved and accounted for must match

[illegible]



Performance Account Template (PATs)

TP6 Target %

TP6 Improvement Achieved %

TP6 Improvement Accounted For %

Relative

-107.0%

-101.6%

Cell colour code:

Blue

Light Green

Light Yellow

Light blue

Headings and fixed cells

Cells for data input

Selection lists (Options should be selected from a drop-down)

Calculated values

Why this period's performance impacted by any implemented measures?

If 'Yes', please proceed to complete the below table.
If 'No', please add supporting text here (100 words limit).

The Climate Change Agreement (Administration and Eligible Facilities) (Amendment) Regulations 2020 require operators to provide information about the actions taken, in relation to energy efficiency improvements or emissions reductions, in order to meet target. This requirement can be met by adding information below accounting for the TP6 Performance Improvement Achieved in % terms. The records may be added throughout TP6 but it is expected that they will be reviewed and adjusted alongside completing TP6 Performance Report to give an indicative estimate of how actions have contributed to the TP6 performance achieved. It is not expected that the improvement achieved and accounted for must match exactly but they should be reasonably close.

Energy/Carbon Saving Actions and Measures Implemented

Enter the Facility ID the measure relates to.

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 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 measures already implemented
- Isolation upgrades during scheduled maintenance
- Planned refurbishment during shutdown
- Planned replacement building / plant

Enter an approximate implementation date when the savings actions were implemented.

Select whether the action takes affects the:

- fixed
- variable (related to production) or
- fixed and variable components of other 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, 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 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 1% more efficient than the old 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 whether the TU has an Energy or Carbon target. The estimated change in energy consumption or carbon emissions should be a reasonably representative estimate of the contribution each action has made to the overall change in performance achieved at TP6.

Enter any further information that might be useful for further reference such as:

- Your internal documents regarding the action
- Qualification of the % improvement attributed (basis for calculation)
- Explanation of when the action was taken and therefore it contributed to TP6
- Whether the action was identified through ESOS or an E

Facility Identifier	Category	Savings Actions Implemented	Reasons for Implementation	Implementation Date	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 (k)	Estimated change in carbon emissions (k)	Notes
1	New Technology Uptake	new air compressors	Planned improvement	09/01/2024	Variable	10.0%	50.0%	95.0%	-0.8%		
2	Other Contributions	Product change	Additional step	09/01/2024	Fixed and Variable	100.0%	100.0%	-93.0%	-93.0%		
3	Other Contributions	TP5	TP5	31/03/2022	Fixed and Variable	100.0%	100.0%	-63.4%	-63.4%		
4									0.0%		
5									0.0%		
6									0.0%		
7									0.0%		
8									0.0%		
9									0.0%		
10									0.0%		
11									0.0%		
12									0.0%		
13									0.0%		
14									0.0%		
15									0.0%		



Energy/Carbon Saving Actions and Measures Implemented

	Enter the Facility ID the measure relates to.	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: <ul style="list-style-type: none">- 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	Enter an approximate implementation date when the savings actions were implemented.
	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					



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, 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 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 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 whether the TU has an Energy or Carbon target. The estimated change in energy consumption or carbon emissions should be a reasonably representative estimate of the contribution each action has made to the overall change in performance 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.

Cell colour code:	
Blue	Headings and fixed cells
Light Green	Cells for data input
Mid Green	Selection lists (Options should be selected from a drop-down)
Light blue	Calculated values



SAT - Facility Details

	B	C	D	E	F	G	H	I	J	K	L																																				
1	Facility Details																																														
2	Data input only required in green cells.																																														
3																																															
4	A. Facility Identity																																														
5																																															
6	<table><tr><td>Facility ID from current CCA scheme</td><td></td></tr><tr><td>Facility Name</td><td></td></tr><tr><td>Facility Address (if you are a sole trader, please repeat your facility name)</td><td></td></tr></table>											Facility ID from current CCA scheme		Facility Name		Facility Address (if you are a sole trader, please repeat your facility name)																															
Facility ID from current CCA scheme																																															
Facility Name																																															
Facility Address (if you are a sole trader, please repeat your facility name)																																															
7	B. Facility Assessment Considerations																																														
8																																															
9	<table><tr><td>Is the Facility in the UK ETS?</td><td>Select</td></tr><tr><td>If the facility is in the UK ETS, please provide the GHG permit reference.</td><td></td></tr></table>											Is the Facility in the UK ETS?	Select	If the facility is in the UK ETS, please provide the GHG permit reference.																																	
Is the Facility in the UK ETS?	Select																																														
If the facility is in the UK ETS, please provide the GHG permit reference.																																															
10	C. Facility Base Year																																														
11																																															
12	<table><tr><td>Data Base Year</td><td colspan="2">2022</td></tr><tr><td>Base year Starting Day and Month</td><td>Jan</td><td>1</td></tr></table>											Data Base Year	2022		Base year Starting Day and Month	Jan	1																														
Data Base Year	2022																																														
Base year Starting Day and Month	Jan	1																																													
13	D. Facility Energy Types Consumed and Conversion Factors																																														
14																																															
15	<table><thead><tr><th>Energy Type</th><th>Other Fuel Name</th><th>Delivered to Primary Conversion Factor</th></tr></thead><tbody><tr><td>Grid electricity and electricity from combustion of a renewable fuel</td><td></td><td>2.1</td></tr><tr><td>Non-grid electricity from renewables (PV/hydro and wind)</td><td></td><td>1.0</td></tr><tr><td>Non-grid electricity from combustion of a non-renewable fuel (e.g. CHP)</td><td></td><td></td></tr><tr><td>Natural Gas</td><td></td><td></td></tr><tr><td>Fuel Oil</td><td></td><td></td></tr><tr><td>Coal</td><td></td><td></td></tr><tr><td>Coke</td><td></td><td></td></tr><tr><td>LPG</td><td></td><td></td></tr><tr><td>Ethane</td><td></td><td></td></tr><tr><td>Kerosene</td><td></td><td></td></tr><tr><td>Petrol</td><td></td><td></td></tr></tbody></table>											Energy Type	Other Fuel Name	Delivered to Primary Conversion Factor	Grid electricity and electricity from combustion of a renewable fuel		2.1	Non-grid electricity from renewables (PV/hydro and wind)		1.0	Non-grid electricity from combustion of a non-renewable fuel (e.g. CHP)			Natural Gas			Fuel Oil			Coal			Coke			LPG			Ethane			Kerosene			Petrol		
Energy Type	Other Fuel Name	Delivered to Primary Conversion Factor																																													
Grid electricity and electricity from combustion of a renewable fuel		2.1																																													
Non-grid electricity from renewables (PV/hydro and wind)		1.0																																													
Non-grid electricity from combustion of a non-renewable fuel (e.g. CHP)																																															
Natural Gas																																															
Fuel Oil																																															
Coal																																															
Coke																																															
LPG																																															
Ethane																																															
Kerosene																																															
Petrol																																															
16	<table><thead><tr><th colspan="2">Gross Calorific Value Conversion Factor for unit conversion as needed</th></tr><tr><th>Units</th><th>Factor</th></tr></thead><tbody><tr><td>Fuel Oil kWh per kg conversion factor</td><td>12.019</td></tr><tr><td>Coal kWh per kg conversion factor</td><td>7.509</td></tr><tr><td>Coke kWh per kg conversion factor</td><td>8.273</td></tr><tr><td>LPG kWh per kg conversion factor</td><td>12.475</td></tr><tr><td>Ethane kWh per kg conversion factor</td><td>14.070</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></tbody></table>											Gross Calorific Value Conversion Factor for unit conversion as needed		Units	Factor	Fuel Oil kWh per kg conversion factor	12.019	Coal kWh per kg conversion factor	7.509	Coke kWh per kg conversion factor	8.273	LPG kWh per kg conversion factor	12.475	Ethane kWh per kg conversion factor	14.070																						
Gross Calorific Value Conversion Factor for unit conversion as needed																																															
Units	Factor																																														
Fuel Oil kWh per kg conversion factor	12.019																																														
Coal kWh per kg conversion factor	7.509																																														
Coke kWh per kg conversion factor	8.273																																														
LPG kWh per kg conversion factor	12.475																																														
Ethane kWh per kg conversion factor	14.070																																														
17																																															
18																																															
19																																															
20																																															
21																																															
22																																															

[Instructions](#)

[1. Facility Details](#)

[2. Base Year Energy Consumption](#)

[3. Demand Side Measures](#)

[4.a Supply Side Measures](#)

[4.b Switching to CHP](#)

[Savings Assessment Overview](#)

[Open Sheet for...](#)



SAT – Base Year Consumption

Energy Consumption Summary (for 2022 Base Year)										
Enter data in green cells. Production data should split into groups of products that cover all eligible energy in the scheme. You should consider how to group t										
Energy Units Used (e.g. kWh)		kWh								
Select Units		Inputs								
		2022 Energy Consumption								
		Product Name								
		Example product 1								
		Example product 2								
		Product Name								
		Throughput								
		Throughput								
		Throughput								
		Throughput								
		Units								
		Units								
		Units								
		Units								
		Tonnes								
		Tonnes								
		Tonnes								
		Tonnes								
Energy Type	Energy Type Group	Fuel Conversion Factors (tC/kWh)	DELIVERED Base Year Energy Consumption including ETS (kWh)	Primary Base Year Energy Consumption including ETS (kWh)	DELIVERED Base Year Energy Consumption covered by ETS (kWh)	DELIVERED Estimated Fixed Energy Consumption excluding ETS (kWh)	DELIVERED Base Year Variable Energy Consumption excluding ETS (kWh)	DELIVERED Base Year Variable Energy Consumption excluding ETS (kWh)	DELIVERED Base Year Variable Energy Consumption excluding ETS (kWh)	DELIVERED Base Year Variable Energy Consumption excluding ETS (kWh)
Grid electricity and electricity from combustion or a renewable fuel	Electricity	0.0000274	38,462	80,770	0	10,000	10,000	18,462		
Non-grid electricity from renewables (PV/hydro and wind)	Electricity	0	19,231	19,231	0	5,000	4,000	10,231		
Non-grid electricity from combustion of a non-renewable fuel (e.g. CHP)	Electricity	0		0	0	0	0	0		
Natural Gas	Fuel for Heat	0.0000497	200,000	200,000	0	40,000	80,000	80,000		
Fuel Oil	Fuel for Heat	0.0000728	50,000	50,000	0	5,000	20,000	25,000		
Coal	Fuel for Heat	0.0000876		0	0	0	0	0		
Coke	Fuel for Heat	0.000117		0	0	0	0	0		
LPG	Fuel for Heat	0.0000584	30,000	30,000	0	0	12,000	18,000		
Ethane	Fuel for Heat	0.0000545	10	10	0	0	10	0		
Kerosene	Fuel for Heat	0.000067		0	0	0	0	0		
Petrol	Fuel for Heat	0.0000616		0	0	0	0	0		
Gasoil/Diesel	Fuel for Heat	0.0000692		0	0	0	0	0		
Naphtha	Fuel for Heat	0.0000643		0	0	0	0	0		
Petroleum coke	Fuel for Heat	0.0000927		0	0	0	0	0		
Refinery Gas	Fuel for Heat	0.0000499		0	0	0	0	0		
Poultry Litter	Fuel for Heat	0.0000000		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		

Instructions1. Facility Details2. Base Year Energy Consumption3. Demand Side Measures4.a Supply Side Measures4.b Switching to CHP5. Savings Assessment Overview6. Open



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.

[illegible]



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.

Instructions 1. Facility Details 2. Base Year Energy Consumption 3. Demand Side Measures 4.a Supply Side Measures 4.b Switching to CHP Savings Assessment Overview Open Sheet for ... + : ◀ ▶



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.																			
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 (kWh)	Existing Primary Energy for Power Displaced by CHP (kWh)	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 (kWh)	Is Measure Already Implemented?	Anticipated Implementation Year with CCA	Anticipated Implementation Year without CCA	Estimated payback time (years)
Reciprocating engine CHP	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	43190.476	No	2026	2027	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	
Select					0.000	Select	0.000	0.000	0.000	0.000				Select	0.000	Select	Select	Select	



SAT – Savings Assessment Overview

Savings Assessment Overview (graphs and tables provide an indication of the savings that would be realised)													
With CCAs													
Percentage Energy Savings (excluding ETS Energy) by Year (%)													
2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
0.3%	1.1%	1.1%	8.2%	8.7%	10.1%	10.1%	10.1%	10.1%	10.1%	10.1%	10.1%	10.1%	
Percentage Carbon Emissions Savings (excluding ETS Energy) by Year (%)													
2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
0.1%	0.5%	0.5%	11.1%	11.8%	13.4%	13.4%	13.4%	13.4%	13.4%	13.4%	13.4%	13.4%	
Without CCAs*													
Percentage Energy Savings (excluding ETS Energy) by Year (%)													
2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
0.0%	0.0%	0.1%	0.1%	7.4%	8.1%	8.6%	10.1%	10.1%	10.1%	10.1%	10.1%	10.1%	
Percentage Carbon Emissions Savings (excluding ETS Energy) by Year (%)													
2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
0.0%	0.0%	0.0%	0.5%	10.7%	11.0%	11.7%	13.4%	13.4%	13.4%	13.4%	13.4%	13.4%	

*Note: The energy and carbon savings calculations without CCAs assume that the implementation of measures, if carried out, will follow the same order as with CCAs.

Energy Savings

Year	With CCAs (%)	Without CCAs* (%)
2024	0.3	0.0
2025	1.1	0.0
2026	1.1	0.0
2027	8.2	0.1
2028	8.7	7.4
2029	10.1	8.1
2030	10.1	8.6
2031	10.1	10.1
2032	10.1	10.1
2033	10.1	10.1
2034	10.1	10.1
2035	10.1	10.1
2036	10.1	10.1

Carbon Emissions Savings

Year	With CCAs (%)	Without CCAs* (%)
2024	0.1	0.0
2025	0.5	0.0
2026	0.5	0.0
2027	11.1	0.5
2028	11.8	10.7
2029	13.4	11.0
2030	13.4	11.7
2031	13.4	13.4
2032	13.4	13.4
2033	13.4	13.4
2034	13.4	13.4
2035	13.4	13.4
2036	13.4	13.4

Instructions

1. Facility Details

2. Base Year Energy Consumption

3. Demand Side Measures

4.a Supply Side Measures

4.b Switching to CHP

Savings Assessment Overview

Open Sheet for ...



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 case the CHP heat is effectively primary energy free.

CCA helpline team – operated by SLR

☎ +44 (0)844 800 1880

✉ AIC@slrconsulting.com

✉ BCGA@slrconsulting.com

✉ BMPA@slrconsulting.com

✉ BPC@slrconsulting.com

✉ FDFCCA@slrconsulting.com

✉ NAMB@slrconsulting.com

✉ techUK@slrconsulting.com

CCA Operations Manual:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1056762/Climate-Change-Agreements-Operations-Manual.pdf