

Climate Change Agreement for Data Centres

Note 07: Target Period TP4 Reporting

January 2021

What is 'Target Period Reporting'?

Each Target Unit (TU) that has a CCA has been given an energy saving target, which has been set as a series of efficiency improvements compared to a "base year".

Each "target period" is two calendar years in duration. At the end of each target period (TP) the energy efficiency performance of the TU is assessed and compared to the target that has been set. This is done by means of reporting energy and production data to the Environment Agency (EA) via a data collection form submitted to the techUK CCA administrators at SLR Consulting Ltd. The forms will need to be completed and returned to techUK@slrconsulting.com.

If the target is achieved then the CCL discount is retained for the next two year period. Any surplus "CO2" that the TU surpasses its target by can be banked to offset any shortfalls should the TU fail to meet its target in future periods.

If you fail to meet a target all is not lost. There is a buy-out mechanism that allows a company that has failed its target to buy "CO2 allowances" to offset the extra CO2 emitted. Payment of this buy-out allows your TU to be recertified to claim the CCL discount for the next 2 year certification period.

The Target Periods (TP) are:

TP1: 1st January 2013- 31st December 2014

TP2: 1st January 2015- 31st December 2016

TP3: 1st January 2017- 31st December 2018

TP4: 1st January 2019- 31st December 2020

TP5: 1st January 2021- 31st December 2022

Who needs to report?

- The companies owning the target unit should report for the entire target period, or for that part of the
- period when they were covered by the CCA.

- If a facility or Target Unit changes ownership during a target period, data for the full target period still needs to be reported at the end of the period.
- If a facility or Target Unit is withdrawn from the CCA scheme before 31 December 2020, then it does not have to report but can if the company wants it to.
- If a facility has a change of status for EU ETS then it should report for the whole 24 months as per the status of the facility on 31st December 2020.

What needs to be reported?

- You will need to report energy streams into site and throughput (IT Energy) data.
- Fuels covered by EU ETS should not be reported.
- The same methodology as used for base year reporting should be used for target period reporting.

After you have reported...

If you pass the 4th target

- No further actions on you.
- Data is submitted to the EA.
- EA list all sites on the new reduced rate certificate published in July 2021.

If you fail the 4th target

- Data is submitted to the EA.
- EA will send the MoA (i.e. buy-out invoice) to the Responsible Person.
- You need to pay the MoA (i.e. cash handed over) by 1st July 2021.
- EA list all sites on the new reduced rate certificate published in July 2021.

Target Period 4 Reporting deadlines

January 2021	Reporting spreadsheets issued to collect 2020 data. Invoices for 2021 fees issued. 20 th – deadline for sites with energy disruptions to provide information
February 2021	26 th – deadline for returning 2020 completed data collection spreadsheets
March 2021	29 th – deadline for correcting any data
April 2021	techUK CCA submit all data to the Environment Agency
May 2021	Buy-out fees invoices issued where buy-out fees due
June 2021	28 th – deadline for the Environment Agency to receive the buy-out money
July 2021	1 st – recertified to receive CCL discount until end June 2023 (as long as you pass or pay the buy-out)

What happens if..... ?

... I don't report at the target period?

You could incur a penalty but will have the opportunity to report late. If you don't pay the penalty then your CCA will be terminated and you will lose all benefits.

... I report the target period data late?

You could incur a penalty but can still report. If you don't pay the penalty then your CCA will be terminated and you will lose all benefits.

... I don't pay the buy-out?

You will lose the entitlement to claim the CCL discount

... a site closed down since we signed the CCA?

- If it closed on or before 31st December 2020 then you do not have to report any data for that site.
- If the site was sold before 31st December 2020 then we need to move it to the new owner and exclude it from the target period reporting (i.e. new owner needs to report the data from 1st January 2020)
- If the site was sold after 31st December 2020 then we will move it but it will not affect target period reporting (i.e. you still have to report it).

... we had problems with metering during the target period?

You can estimate energy use but keep records of how you have done this.

... we find an error in our base year data?

You must tell us ASAP so that we can get the target adjusted.

... we had problems with our electricity supply?

You must tell us ASAP so that we can look at the impact it had and get the target adjusted (this would have to be agreed with the EA before 20th January 2021).

... the responsible person or admin contact has changed?

You must tell us ASAP so that we can update the records.

... we find an error with our target period data after we have submitted it?

You must tell us and we will correct the data and hence the result. If you fail by more then you will need to pay further buy-out costs. You could incur a penalty.

... we have joined EU ETS since we signed our CCA?

You must tell us ASAP so that we can get the target adjusted.

Navigation sheet

Your data collection form should open on the navigation page. This contains links to other areas of the form.

Please check first that the details in the white cells are correct. If anything is incorrect, please let us know so that we can amend the Environment Agency Registry accordingly.

techUK CCA Target Period Reporting Version: 2_1

How to use this spreadsheet:

- Please click on the **blue boxes** to navigate to the different worksheets for each site. Please also complete the **techUK Sector Survey**
- Please enter data for each site in the **blue boxes** within each site worksheet.
- The resulting performance against the first CCA target is shown in the **CCA Performance** worksheet.
- Please return this spreadsheet complete with 2019 data to techUK@slrconsulting.com by 13th March 2020
- Optional: you can enter data for future years in the **orange cells** in the site worksheets to see what future performance may look like. You do not need to complete these cells, this function is purely available to help your company to consider future performance and cost effectiveness of being part of a CCA.

Company Name: **Wonderful Data Centres Limited** CCA Target Unit Reference Number: **DATC 000XX**

Name of Administrative Contact: **A Contact** Name of Responsible Person: **R Person**

Administrative Contact Email: **acontract@wdc.com** Responsible Person Email: **rpersion@wdc.com**

Click on the blue and red boxes below to navigate to the worksheets

Site 1: **Manchester** [View Summary of CCA Performance \(all years\)](#)

Site 2: **London** [View Diagram of First Target Period Result](#)

[View Diagram of Second Target Period Result](#)

[View Diagram of Third Target Period Result](#)

[View Diagram of Fourth Target Period Result](#)

Performance | Site 1 | Site 2 | CCA Performance | First Target Performance | Second Target Performance | Third Target Performance

Click on these links to navigate to the individual facility data entry sheets. You need to complete a separate data entry sheet for each site in the Target Unit.

Click on these links to navigate to:

- *“Summary of CCA Performance (all years)”*
Provides detail of base year, TP1, TP2, TP3 & TP4 performance.
- *“Diagram of Fourth Target Period Result”*
High level summary of TP4 result, including any CO2 to be banked or cost of any buy-out, whichever applies.

Data entry sheet(s)

Enter data in BLUE cells

You need to advise the status of the site during the period:

- Operational?
- 70/30 pass or fail?
- In or out of EU ETS?

techUK CCA Target Period Reporting

[Click here to go back to the Navigation worksheet](#)
[Click here to go to the CCA Performance worksheet](#)

Site Name:

Facility Reference Number:

Current EU ETS status:

How to complete this worksheet:
 Section 1 Reconfirm your 70/30 and EU ETS status by completing the blue boxes.
 Section 2 Enter the IT energy into the blue boxes.
 Section 3 Enter the site energy use into the blue boxes.
 Section 4 Provide any comments you wish to make in the blue boxes.
 Section 5 Shows how the site is performing and financial savings.

Optional Predictions for future data can be entered into the orange boxes, this is not mandatory and such data does not have to be returned to techUK. White cells contain information that cannot be changed (contact the techUK CCA admin team for further help).

Section 1 - 70/30 and EU ETS

Is this still an operational site?

Base Year	Target Period 1 12 October 2014 to 31 December 2014	Jan to Dec 2013	Jan to Dec 2014	Jan to Dec 2015	Jan to Dec 2016	Jan to Dec 2017	Jan to Dec 2018	Jan to Dec 2019
Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational	Operational

70/30 status of the site during the period

Base Year	Target Period 1 12 October 2014 to 31 December 2014	Jan to Dec 2013	Jan to Dec 2014	Jan to Dec 2015	Jan to Dec 2016	Jan to Dec 2017	Jan to Dec 2018	Jan to Dec 2019
Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed

Comments relating to your evaluation of the 70/30 rule

EU ETS status of the site by the end of

Base Year	Target Period 1 12 October 2014 to 31 December 2014	Jan to Dec 2013	Jan to Dec 2014	Jan to Dec 2015	Jan to Dec 2016	Jan to Dec 2017	Jan to Dec 2018	Jan to Dec 2019
Not in EU ETS	Not in EU ETS	Not in EU ETS	Not in EU ETS	Not in EU ETS	Not in EU ETS	Not in EU ETS	Not in EU ETS	Not in EU ETS

Section 2 - IT energy

Please enter the CCA IT period

Base Year	Target Period 1 12 October 2014 to 31 December 2014	31st December 2013	31st December 2014	31st December 2015	31st December 2016	31st December 2017	31st December 2018	31st December 2019
0	4,785,001	5,702,888	5,200,110	5,744,425	5,425,444	6,895,235		

Section 3 - Site energy

CCA in kWh of energy as delivered to the site

Base Year	Target Period 1 12 October 2014 to 31 December 2014	31st December 2013	31st December 2014	31st December 2015	31st December 2016	31st December 2017	31st December 2018	31st December 2019
Electricity from grid (brown)	6,521,257	1,025,496	0	5,385,668	6,356,695	7,412,563	8,452,365	7,852,364
Electricity from grid (green)	0	0	0	0	0	0	0	0
Natural Gas	0	0	0	0	0	0	0	0
Gas Oil	66,000	12,000	0	80,521	102,000	102,045	104,025	99,000
Heavy Fuel Oil	0	0	0	0	0	0	0	0
Propane/LPG	0	0	0	0	0	0	0	0
Electricity from on site solar, wind	0	0	0	0	0	0	0	0
Other renewable fuel - energy from heat	0	0	0	0	0	0	0	0

Section 4 - Comments

0 0 0 0 0 0 0

Target Performance Site 1 Site 2 CCA Performance First Target Performance Second Target Performance Third Target Performance

Enter IT Energy for the period.

Historic data is in white locked cells. If any data is incorrect please tell us immediately

If you have energy from sources not listed, please use the rows against the blue cells here and provide detail in the comments box, along with any other relevant comments for the period

Email your completed data collection form to techUK@slrconsulting.com

Enter total energy consumed on site during the period, from all sources. If the site is in EU ETS, do not include fuels covered by your EU ETS permit.

Summary of CCA Performance (all years)

Once all site data entry sheets have been completed, the results are collated as performance for the Target Unit for the reporting period. The collated TU data and results for all years are shown on this sheet.

techUK CCA: Target Period Performance
[Click here to go back to the Navigation worksheet](#)

Target Unit Ref: Date CCA Appr:
 Company Name:

[Click here to view a diagram showing](#) [Click here to view a diagram showing your Second Target Period Result](#) [Click here to view a diagram showing](#) [Click here to view a diagram showing your Fourth Target Period Result](#)

Collated data for TP

Target Unit Data	Target Period 1 (12 May 31 Dec 20)	Target Period 2 (2015-16)	Target Period 3 (2017-18) **	Target Period 4 (2019-20) **
Target Period IT Energy (kWh/p)	9,218,001	51,000,555	42,852,126	59,098,312
Energy (kWh/p)	12,933,268	94,432,578	86,805,198	85,565,194
Target Period Site Carbon (kgC ₂)	652,847	4,726,510	4,745,410	4,677,521
Target Period Performance (CCA PUE)	1,605,254	1,620,777	1,545,325	1,447,845

Target Unit Target including Tolerances

Target (% reduction)	0.375%	5.095%	9.322%	10.321%
Target (CCA PUE)	1,590,435	1,515,500	1,475,289	1,400,821

Target Period Results*

Target Unit Performance	Target Period 1 (12 May 31 Dec 20)	Target Period 2 (2015-16)	Target Period 3 (2017-18) **	Target Period 4 (2019-20) **
Forecast Target Period Result (pass/fail)	Fail	Fail	Fail	Fail
Least Target Period Result (tonnes CO ₂)	5	1,565	2,129	558
Improvement in previous target period (tonnes CO ₂)	n/a	0	0	0
CO ₂ used at this target period (tonnes CO ₂)	n/a	0	0	0
CO ₂ to buy-out (tonnes CO ₂)	5	1,565	2,129	558
Forecast Buy-out Cost at £12/tonne (TP1/TP2) at £14/tonne (TP3/TP4)	60	18,795	29,806	7,812

** CO₂ that is generated from passing a target is automatically banked and will be automatically used at a future target period if the target unit fails.*

Value of CCL discount during target period (£)

Target Period 1 (12 May 31 Dec 20)	Target Period 2 (2015-16)	Target Period 3 (2017-18) **	Target Period 4 (2019-20) **
£ 34,365	£ 441,092	£ 481,690	£ 258,424

***For future target periods, if only one year has been reported then the target period result is calculated by doubling the one year reported to represent the two year target period, if two years are reported then they are added together to give the target*

Annual data and list of sites that have reported

Actual Reported Base Year	Actual Target Period 1 12 May 2014 to 31 December 2014	Actual Jan to Dec 2013	Actual Jan to Dec 2014	Actual Target Period 2 (2015-16) Jan to Dec 2015	Actual Jan to Dec 2016	Actual Target Period 3 (2017-18) Jan to Dec 2017	Actual Jan to Dec 2018	Forecast Target Period 4 (2019-20) Jan to Dec 2019	Forecast Jan to Dec 2020
Manchester	Manchester London	Manchester	Manchester London	Manchester London	Manchester London	Manchester London	Manchester London	Manchester London	Manchester
n/a		Manchester							Manchester

***Target period results:**
 Any CO₂ brought forward from the previous target period is detailed here. The results are commuted to the individual TP1, TP2, TP3 & TP4 'Diagram' sheets.

1,705,585	1,323,868	6,341,598	9,189,760	502,410	1,842	17,152
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Retaining your CCA will be worth an estimated £251,602 during the next 2 years

Value of CCL discount during target period (£)

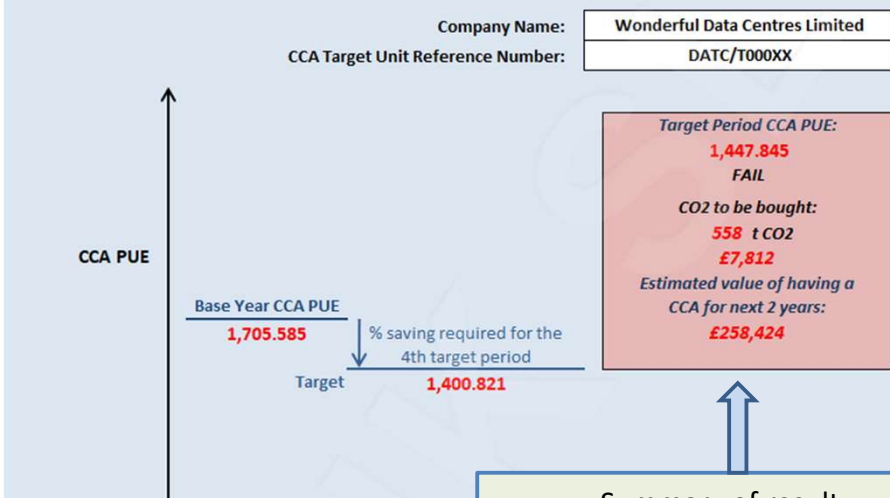
£ 481,690	£ 258,424
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Diagram of Fourth Target Period Result

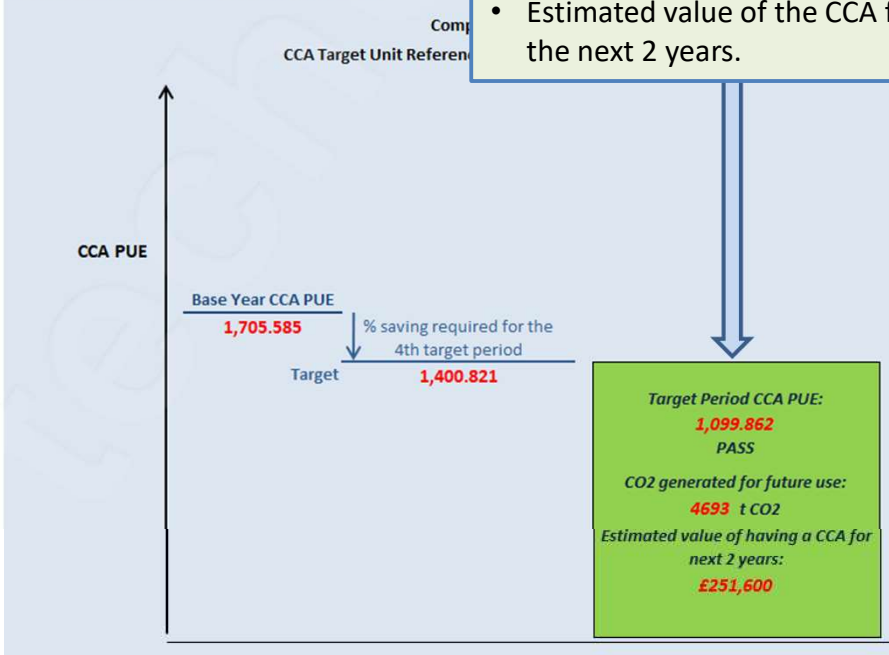
Below are examples of the diagram sheets that show the summary for both passing and failing Target Units. This presents the result in a simple format that can be passed on to others in your organisation.

**Failing
TU****Diagram presenting your predicted Fourth Target Period Result**

[Click here to go back to the Navigation worksheet](#)
[Click here to go to the CCA Performance worksheet](#)

**Passing
TU****Diagram presenting your predicted**

[Click here to go back to the Navigation worksheet](#)
[Click here to go to the CCA Performance worksheet](#)



- Summary of result:
- Pass or Fail
 - CO2 banked or to be bought
 - Cost of buy-out if applicable
 - Estimated value of the CCA for the next 2 years.

techUK CCA Helpdesk

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