



Construction Site Impacts

ENVIRONMENTAL MANAGEMENT PLATFORM

CSI User Guides - Electricity Meters - V1

How does the Electricity Meters works?

Introduction

The CSI tool allow you to add as many meter as you like and cover many aspects of your site impacts such as:

- Electricity use
- Fuel consumption - From generators, heavy plant machinery and any other combustion engines.
- Transport- Here you can measure commercial transport to and from site as well as employees and subcontractors working on site. The site has a long list of transport modes to cover most travel.
- Waste – The tool measures the carbon emissions that arise from waste produced on site.
- Water – Water use on site activities

From “Site” page go and click on “Meters”

Properties		
TITLE Test site		
TYPE Buildings - Commercial Offices		
LIVE STATUS Live Site	MANAGEMENT STATUS Opened Site	START DATE 06/01/2014
DURATION (WEEKS) 53	NUMBER 0001	VALUE £ 1000000 [British Pound Sterling]

You will then be directed to the “Meters” page where you can see all the meters used on site.



“Meters” page

Adding an Electricity Meter

METERS

DURATION (WEEKS): 53

NUMBER: 0010

VALUE: £1000000 [British Pound Sterling]

FLOOR SPACE (M2): 100

NUMBER OF UNITS: 2

LOCATION: London N7 9DP, United Kingdom

Meters

[+ Add Meter](#)

ELECTRICITY | FUELS | TRANSPORT | WASTE | WATER

Search: Show 10 entries

Identification	Last Recorded	Sum	Total CO2
No data available in table			

First Previous Next Last

Showing 0 to 0 of 0 entries

The tool defaults to the electricity meter. Click on “[+Add Meter](#)” on the right hand side of the screen. You are then taken to the add electricity meter page.

Properties

All fields marked with an * are mandatory information!

IDENTIFICATION * (?)

DESCRIPTION [IN ENGLISH] (?)

TRANSLATIONS

DEFAULT UNIT * (?) kWh [Kilowatt Hour]

DEFAULT UPLOAD FREQUENCY * (?) 1

INTERVAL * (?) Period

ALERT BEFORE (DAYS) * (?) 1

ALERT AFTER (DAYS) * (?)

ALERT ON START? * (?) ☒

IS IT A PHYSICAL METER? (?) ☒

INITIAL DATE * (?) 06/01/2014

INITIAL READING (?) 0

SAVE



Fill out all the fields.

Identification – Enter the meter number here

Description – Enter any meaningful information in this field such as where is the meter located, or what part of the site the meter is supplying, such as site office or drying room for example.

Default unit – Enter the meter measurement unit, usually kWh

Default upload frequency – Enter how often you are taking meter readings. Normally you should enter 1 here and complete the next field.

Interval – From the drop down menu you have:

- Period – Choose period when the interval between meter reading spans several months. The tool will divide by the number of days between the 2 readings.
- Day – For everyday readings.
- Week – Every week.
- Month – Once a month.
- Year – Once a year.

Alert before and after – the tool will send an email to the registered user reminding him to take the meter reading.

Is it a physical meter? When this box is ticked the tool will ask the Initial date (the date the meter was installed) and the initial meter reading.
A new meter will usually start from zero.

Once all fields are completed click on “Save”.

The screenshot shows a web application interface for adding a new electricity meter. On the left is a sidebar menu with options: DASHBOARD, SITES, ADD SITE, TEST SITE, PROFILE, METERS, TARGETS, PAYMENTS, CO2 EMISSION FACTORS, PERMISSIONS, and REPORTS. The main area is titled 'Properties' and contains a form with the following fields: 'IDENTIFICATION * (1)' (text input), 'DESCRIPTION (IN ENGLISH) (1)' (text area), 'DEFAULT UNIT * (1)' (dropdown menu with 'kWh (kilowatt hour)' selected), 'DEFAULT UPLOAD FREQUENCY * (1)' (text input with '1'), 'INTERVAL * (1)' (dropdown menu with 'Period' selected), 'ALERT BEFORE (DAYS) * (1)' (text input with '1'), 'ALERT AFTER (DAYS) * (1)' (text input), 'ALERT ON START? * (1)' (checkbox), 'IS IT A PHYSICAL METER? (1)' (checkbox), 'INITIAL DATE * (1)' (text input with '01/01/2024'), and 'INITIAL READING (1)' (text input with '0'). A red error message at the top states 'All fields marked with an * are mandatory information!'. A yellow arrow points to the 'SAVE' button at the bottom right of the form.

You have now added a new electricity meter to the CSI tool and you will be redirected to the new “Electricity Meter” page.



“Electricity Meter” page

Properties

IDENTIFICATION	DEFAULT UNIT	CO2 EMISSION FACTOR
rreffsdfedg	Kilowatt Hour	0.44548 kg CO2e/kWh
DEFAULT UPLOAD FREQUENCY	UNIT	
1	Week	
ALERT BEFORE (DAYS)	ALERT AFTER (DAYS)	ALERT ON START?
1	1	Yes
IS IT A PHYSICAL METER?	INITIAL DATE	INITIAL READING
Yes	06/01/2014	0
DESCRIPTION		
vsdfsd		

Performance

Electricity			
0 kWh	0 kWh/m2	0 kWh/£100k	0 kg CO2e

Charts [Monthly Evolution]

Consumption

There is no or empty series

You are now ready to load electricity values to the tool.

Now to input meter readings click in the **LOAD VALUES** button on the left hand side menu.

The tool will take you to the “Load Values” page where you can input your electricity meter readings.



“Load Values” page

DASHBOARD

SITES

ADD SITE

TEST SITE

PROFILE

METERS

RREFSDFEDG

SERIES

LOAD VALUES

TARGETS

PAYMENTS

CO2 EMISSION FACTORS

PERMISSIONS

REPORTS

Properties

IDENTIFICATION

rrefsdgedg

IS IT A PHYSICAL METER?

Yes

DEFAULT UNIT

Kilowatt Hour

CO2 EMISSION FACTOR

0.44548 kg CO2e/kWh

DEFAULT UPLOAD FREQUENCY

1

INTERVAL

Week

ALERT BEFORE (DAYS)

1

ALERT AFTER (DAYS)

1

ALERT ON START?

Yes

INITIAL READING

0

DESCRIPTION

vsdfsd

Load Values

All fields marked with an * are mandatory information!

Attention! You can upload data with dates within the valid load period paid for this site. The current valid time frame is from 01/01/2014 to 31/01/2014.

FROM * (?)

06/01/2014

TO * (?)

INTERVAL FREQUENCY * (?)

1

Week

UNIT * (?)

kWh [Kilowatt Hour]

[Enter Reading Values](#)

Loaded Values

The first reading value of the meter is the baseline for the device and therefore will not generate neither consumption nor emissions.

Search: Show entries

From (?)	To (?)	Reading * (?)	Unit (?)
No data available in table			

First Previous Next Last

Showing 0 to 0 of 0 entries

SAVE

The tool defaults to the previous meter reading and you input the date when the reading is taken and hit “Enter reading values”.

Load Values

All fields marked with an * are mandatory information!

Attention! You can upload data with dates within the valid load period paid for this site. The current valid time frame is from 01/01/2014 to 31/01/2014.

FROM * (?)

06/01/2014

TO * (?)

13/01/2014

INTERVAL FREQUENCY * (?)

1

Week

UNIT * (?)

kWh [Kilowatt Hour]

[Enter Reading Values](#)




The screen will reload and a new field will appear for you to enter the actual meter reading.

| Loaded Values

The first reading value of the meter is the baseline for the device and therefore will not generate neither consumption nor emissions.

From (?)	To (?)	Reading * (?)	Unit (?)
06/01/2014	13/01/2014	<input type="text" value="325"/>	kWh [Kilowatt Hour]



SAVE

Enter the value in the blank box and hit the “Save” button.

You will be redirected to the “SERIES” page to view your first meter readings and correspondent emissions.

RREFSDFEDG

SERIES

LOAD VALUES

TARGETS

PAYMENTS

CO2 EMISSION FACTORS

PERMISSIONS

REPORTS

DESCRIPTION
vsdfsd

| Series

Search: Show

	From	To	Reading	Total	Total CO2
	06/01/2014	13/01/2014	325	325	144.781 kg CO2e

First Previous 1 Next Last Showing 1

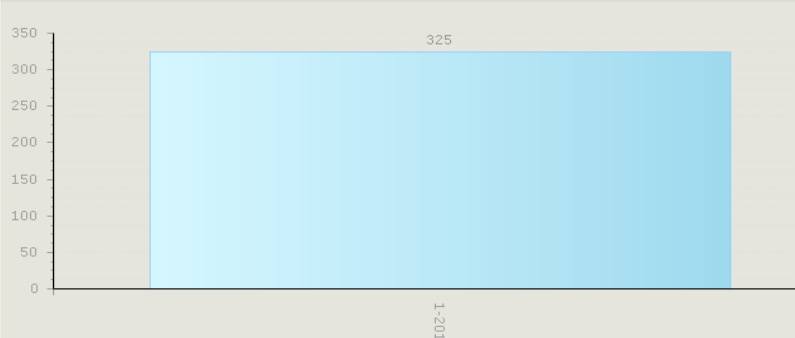
| Performance

Electricity

325 kWh	0.33 kWh/m2	32.5 kWh/£100k	144.78 kg CO2e
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| Charts [Monthly Evolution]

Consumption





Repeat the process as often as you like but remember to use the correct interval.

If you make a mistake click in **SERIES** and the tool will take you to the page with the load values. You can either edit the value (click in the pencil icon) or delete it (click in the bin icon).

Initial Reading: 0

Description: vsdfsd

Series

	From	To	Reading	Total	Total CO2
	06/01/2014	13/01/2014	325	325	144.781 kg CO2e
	13/01/2014	20/01/2014	2000	1675	746.179 kg CO2e
	20/01/2014	27/01/2014	2500	500	222.74 kg CO2e

First Previous 1 Next Last Showing

Performance

If you have any queries please contact us via www.siteimpacts.com and we will be happy to help.