
heatmap.data.gov.scot

Astun Technology

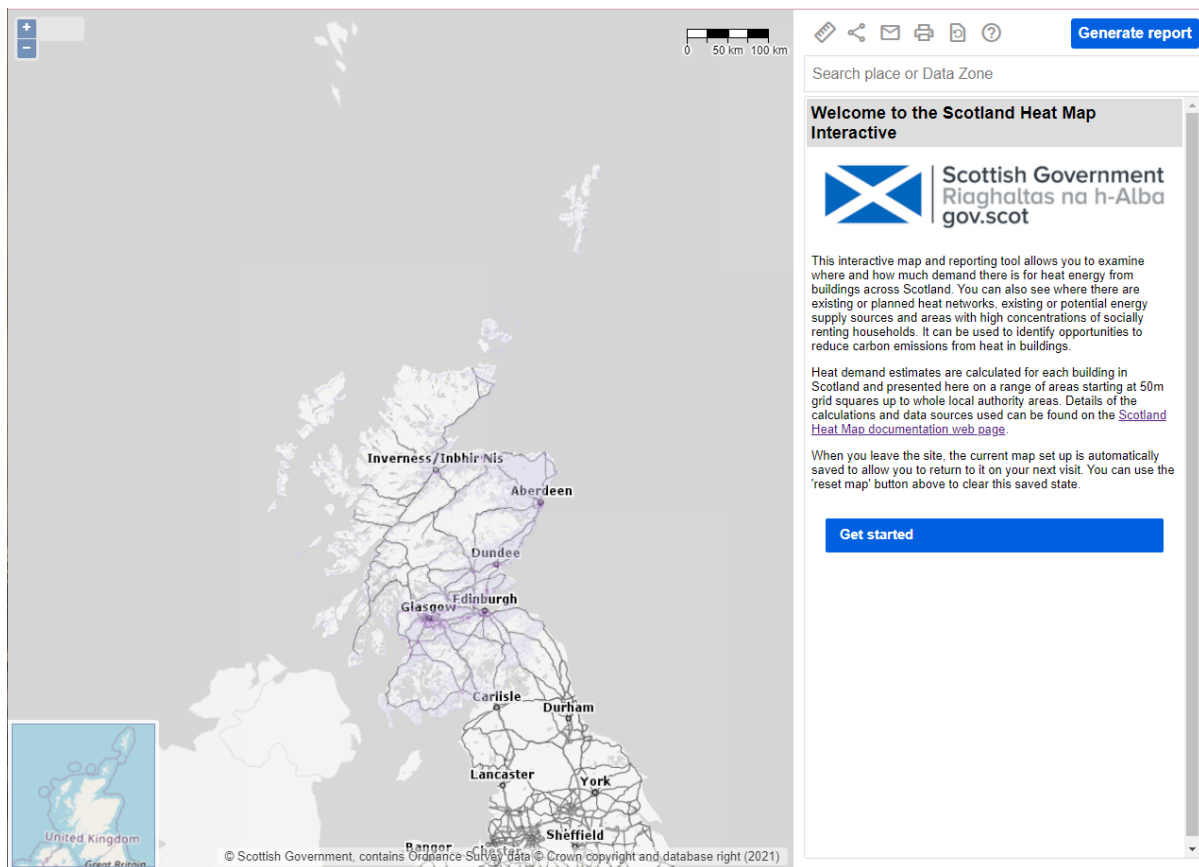
Dec 07, 2021

USER DOCUMENTATION

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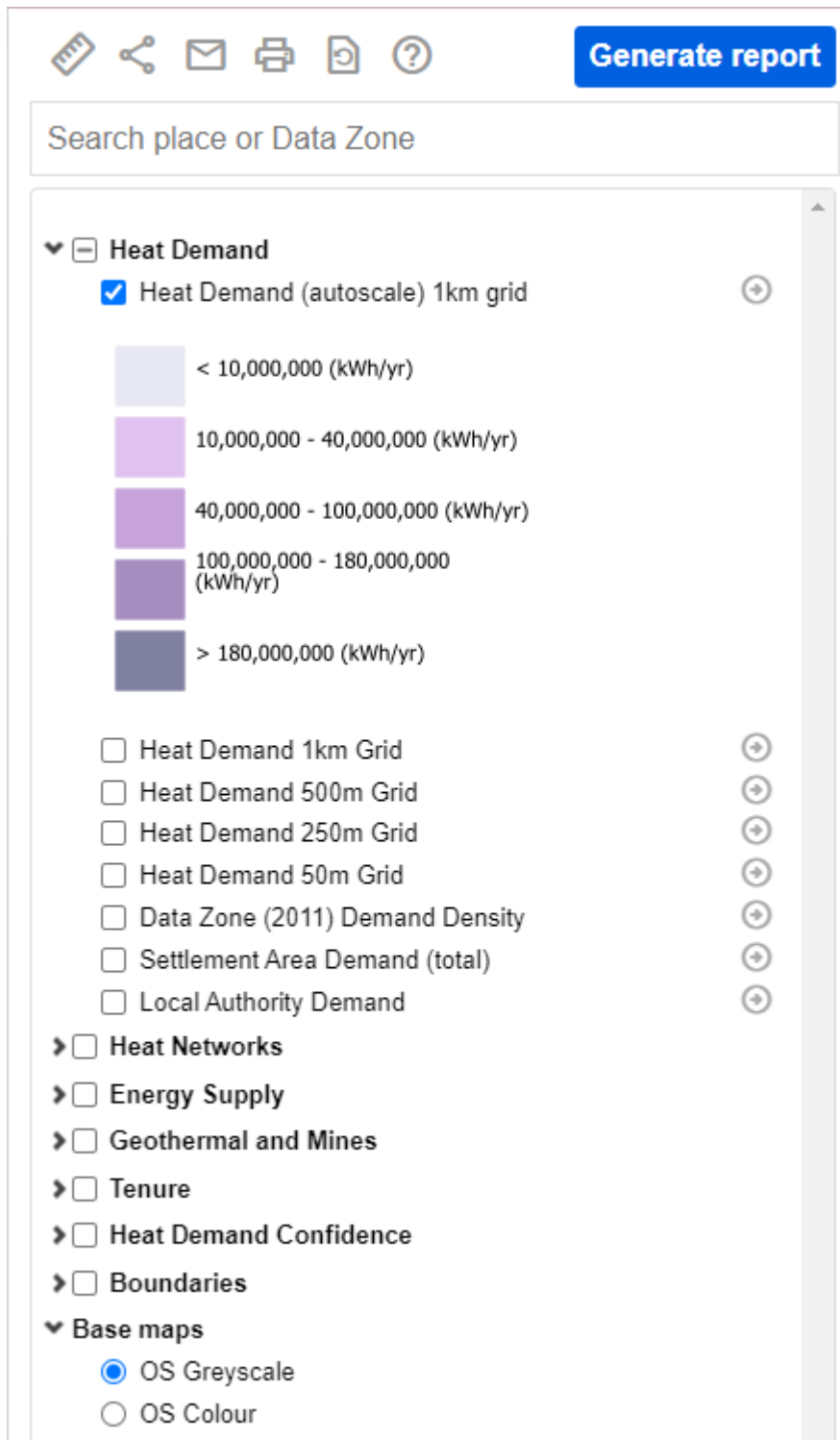
CHAPTER ONE

QUICK USER GUIDE



1.1 Overview

This document outlines the main features and uses of **Scotland Heat Map**. Click on **Get started** to begin and you will see the different map layers you can select to view on the map and report on.



1.2 Searching

You first step would normally be to position the map to the area you are interested in and one of the ways to do this is to use the Search box at the top right of the map, to search for a place or Data Zone. As you start to type matching addresses will be displayed e.g.



princes street
Princes Street (AB24, Aberdeen)
Princes Street (AB51, Inverurie)
Princes Street (AB54, Huntly)
Princes Street (DD11, Arbroath)
Princes Street (DD4, Dundee)
Princes Street (DD5, Monifieth)
Princes Street (DG11, Lochmaben)

1.3 Navigating the Map

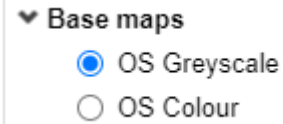


Another way to position the map is to zoom in or out. You can use the scroll bar on your mouse or click on the plus (zoom in) or minus (zoom out) buttons on the **Navigation Toolbar** at the top left of the map.

You may also see a left arrow (Navigate back) and right arrow (Navigate forward) if you have previously panned or zoomed the map.

You can also hold down the shift key and draw a rectangle on the map (marquee select), and when you release the mouse the map will zoom to that specific area. If you just want to move the map to a different location you can click and hold the left mouse button (pan) to drag the map into a different location. There is an **Overview Map** in the bottom left hand corner so that you can see where your chosen area resides. There is also a indication of the scale of the map in the top right hand corner.

1.4 Base Mapping

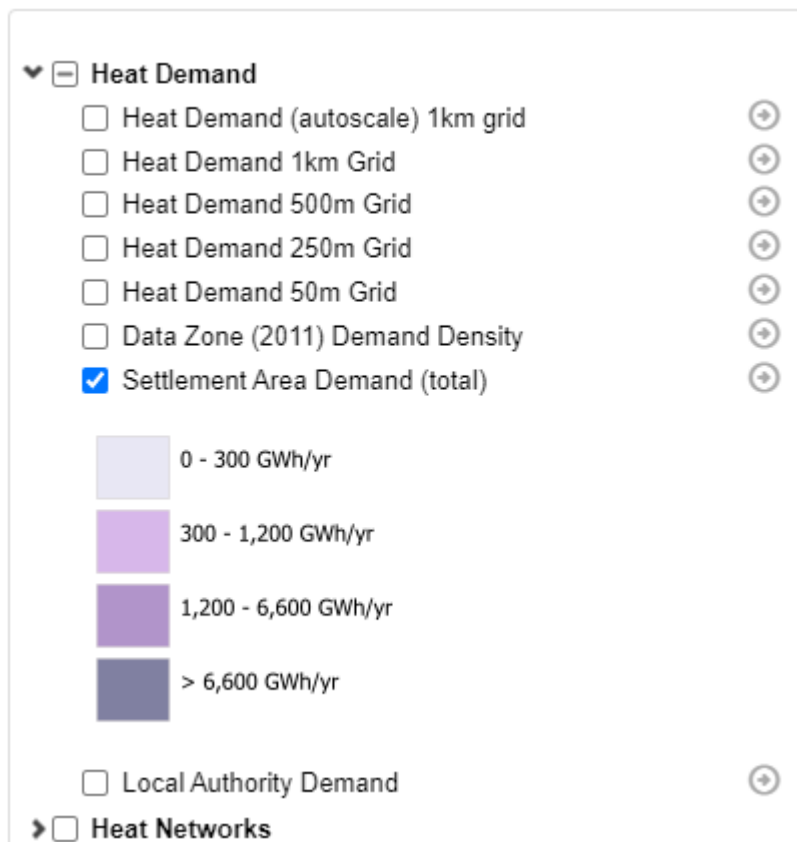


Base mapping is always displayed and you can choose if you wish to see this as **OS Greyscale** or **OS Colour** by selecting the relevant Base maps entry at the bottom of the Legend e.g.

Note: Radio buttons (circular) allow you to select a single entry whilst Check boxes (square) allow you to select multiple entries.

1.5 Map Layers

Now you can decide which other information you are interested in by ticking the relevant boxes in the Legend. If you tick the box for the heading entry then its layers can be displayed on the map. You can select a single layer or multiple layers in different layer groups. We have selected to display 'Settlement Area Demand (total)' e.g.



Once an entry has been selected a small image is displayed in the Legend detailing how each layer will be displayed on the map. **Note:** To remove a layer from the map just untick the box in the Legend.

Clicking on the right arrow to the right of a Layer in the Legend will display more information about the Layer e.g.

Settlement Area Demand (total) ×

Last updated: 27/07/2020

The Scotland Heat Map provides estimates of annual heat demand for almost 3 million properties in Scotland. Demand is given in kilowatt-hours per year (kWh/yr). Property level estimates can be combined to give values for various geographies. Both domestic and non-domestic properties are included. This dataset gives the total estimated heat demand of properties within each 2012 Settlement in Scotland in kilowatt-hours per year (kWh/yr). Heat demand... [More info...](#)

0 - 300 GWh/yr

300 - 1,200 GWh/yr

1,200 - 6,600 GWh/yr

> 6,600 GWh/yr

Opacity: 50%

Web services/downloads

WFS:

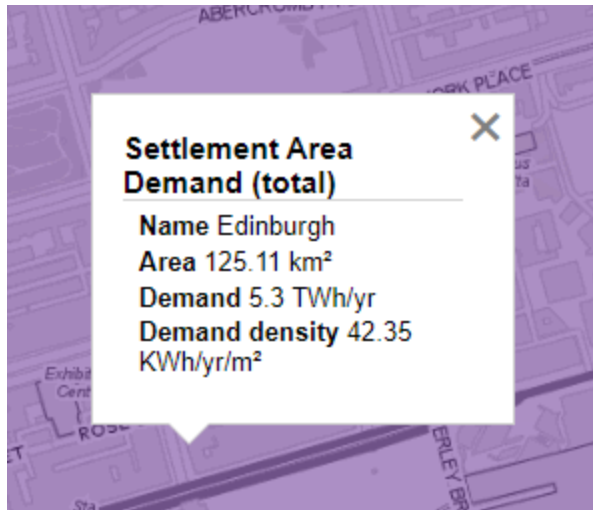
WMS:

CSV:

[Zoom to layer extent](#)
[Layer metadata](#)

Here you will also find buttons to **Zoom to layer extent** which zooms the map to the extents of the chosen layer and **Layer metadata** which displays the ScotGov metadata for the Layer; as well as allowing you to change the Opacity of the Layer, links to WFS, WMS Web Services and CSV download. Simply click the X at the top right beside the Layer name to close the Layer details.

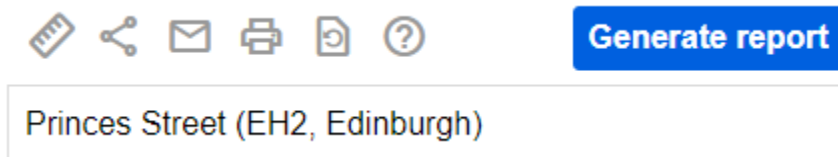
To find out more information about a particular entry just click on it on the map and an Information box will appear e.g.



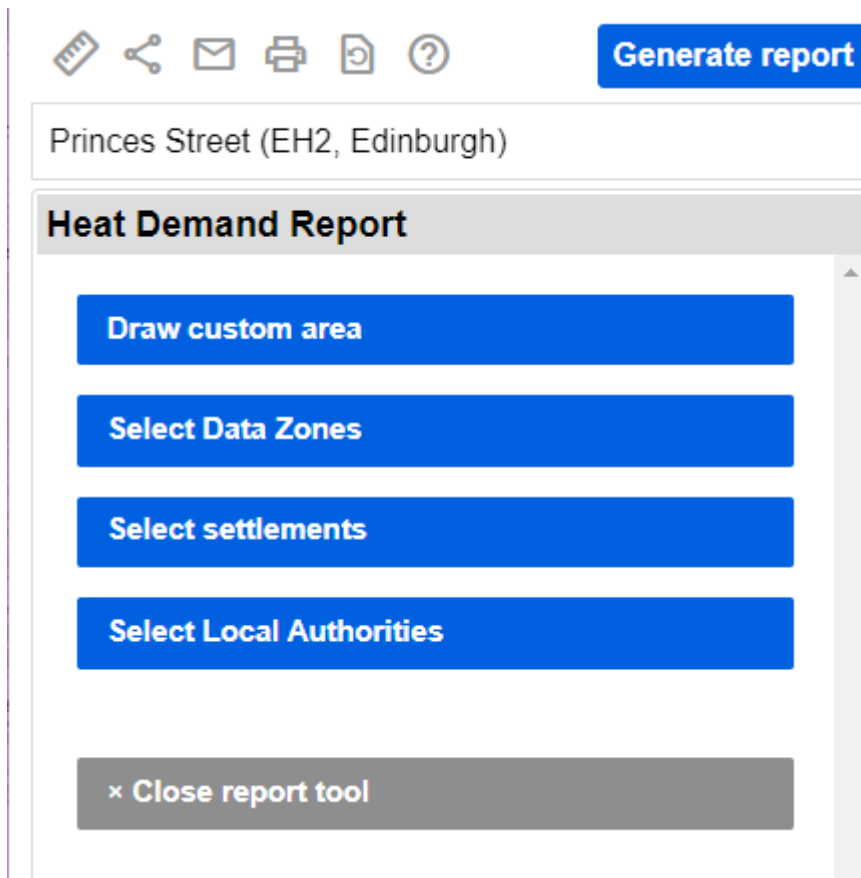
Again, clicking the X at the top right will close the window.

1.6 Generating a Heat Demand Report

First select the Area and Layers you are interested in using the tools described above and then click on the **Generate report** button above the Search box.



This displays the **Heat Demand Report** where you can choose how to draw / select the area of interest for your report e.g.

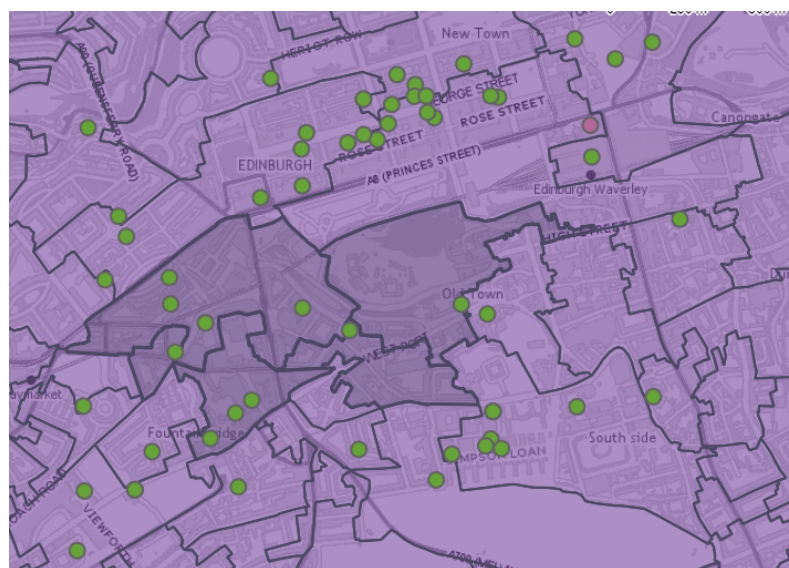


The screenshot shows the 'Heat Demand Report' tool interface. At the top, there is a toolbar with icons for a ruler, share, email, print, save, and help. To the right of the toolbar is a blue button labeled 'Generate report'. Below the toolbar is a text input field containing 'Princes Street (EH2, Edinburgh)'. Below this is a section titled 'Heat Demand Report' with a light gray background. Inside this section, there are five buttons: 'Draw custom area', 'Select Data Zones', 'Select settlements', 'Select Local Authorities', and '× Close report tool'. The first four buttons are blue, and the last one is gray.

Decide how to create your area of interest either by drawing a custom area (click Draw Custom Area) or selecting from the various predefined geographies such as Data Zones, Settlements or Local Authorities by clicking the relevant button. If you select **Draw custom area** you then draw an area on the map by clicking to add points to create an area and the double click to finish e.g.



If you select any of the predefined geographies then simply click to select the geography you are interested in; you may select more than one. As you select an area it is outlined on the map and the details displayed in the **Heat Demand Report** area e.g.



Princes Street (EH2, Edinburgh)

Heat Demand Report

	Area	Energy supplies	Public-sector heat demand	Heat demand density/ total
S01008675 Old Town, Princes Street and Leith Street - 02				
	0.2 km ²	0	66.3 MWh/yr	76.08 KWh/yr/m ² 15.26 GWh/yr
S01008660 Tollcross - 02				
	0.24 km ²	0	2.85 GWh/yr	199.45 KWh/yr/m ² 47.78 GWh/yr
S01008661 Tollcross - 03				
	0.08 km ²	0	1.19 GWh/yr	262.63 KWh/yr/m ² 21.35 GWh/yr
S01008659 Tollcross - 01				
	0.11 km ²	0	0 KWh/yr	243.46 KWh/yr/m ² 27.53 GWh/yr
	0.63 km ²	0	4.12 GWh/yr	176.39 KWh/yr/m ² 111.92 GWh/yr

Once you are happy with your choices you have the option to either **Print report**, which will create a PDF of the data, including the map, or **Download CSV** which creates a CSV file of the details. The information included within the report includes the Area, Energy supplies, Public-sector head demand and Total heat demand for each area.

You can reset your area of interest by clicking **Reset report area** and return to the Legend by clicking **Close report tool**.

1.7 Other Tools



There are some other tools which you may find useful which can be accessed by clicking on the relevant button. Just hover over each tool to find out what it does e.g. Measure, link, print, reset map and help.

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`