

Current Developments & Market Overview

Ian Rippin – Microgeneration Certification Scheme (MCS)

Renewable energy technologies and their deployment in UK homes

MCS

To give people confidence in low-carbon energy technology by defining, maintaining and improving quality



MCS CERTIFIED

MCS Certificate

MCS INSTALLATION CERTIFICATE NO. MCS-01334904-Q
CERTIFICATE VERSION 1
15/10/2021

INSTALLER DETAILS
MCS Certified Installer Company Name and MCS Number
JF Heppethwaite Ltd T/A The Red Van Plumbers (NIC3810)
TSI Consumer Code: RECC
TSI Consumer Code ID: 00038033

INSURANCE BACKED GUARANTEE
IBG Provider: HIP

SITE DETAILS
Address: ROBINS REST, CITY ROAD, RADNAGE, HIGH WYCOMBE,
Buckinghamshire, HP14 4DW
Supply MPAN: 2000055415931
Commissioning Date: 15/10/2021

INSTALLATION DETAILS
Total Installed Capacity (kW): 13.00
Estimated Annual Generation (kWh): 13370.00
Green Deal Installation: Yes
Planning Regulations Compliance: Yes
Building Regulations Notification: After The Installation Through A Self
Certification Competent Persons Scheme (CPS)

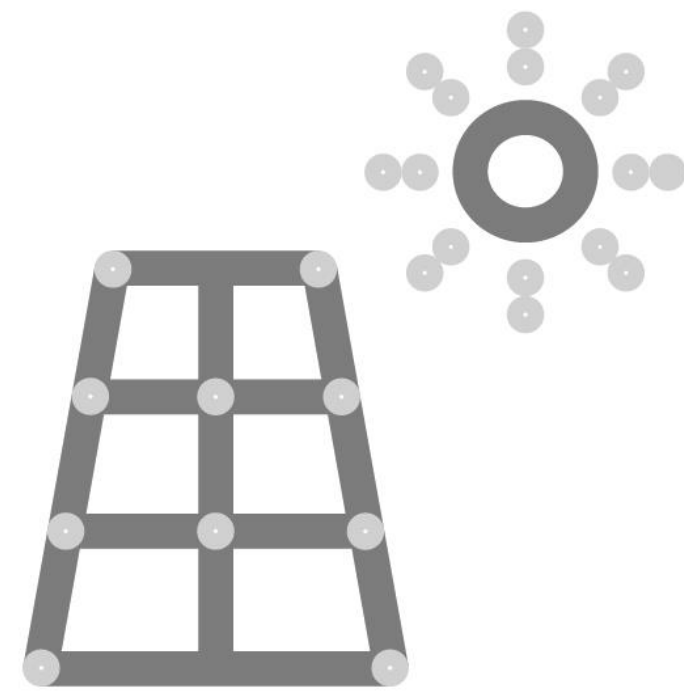
PRODUCT DETAILS

MCS PRODUCT NUMBER	PRODUCT MANUFACTURER	MCS CERTIFIED PRODUCT NAME	TECHNOLOGY TYPE: AIR SOURCE HEAT PUMP	FLOW TEMP	SCOP
BEA 0008/18	Grant Engineering (UK) Ltd	Grant AeronAS THERM13 R32 (For Space Heating And Hot Water)		45	4.2

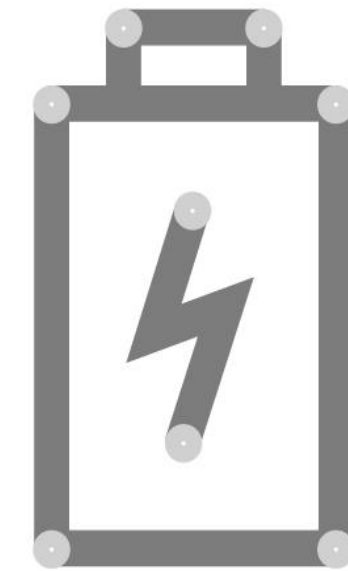
Renewable energy technologies and their deployment in UK homes

MCS

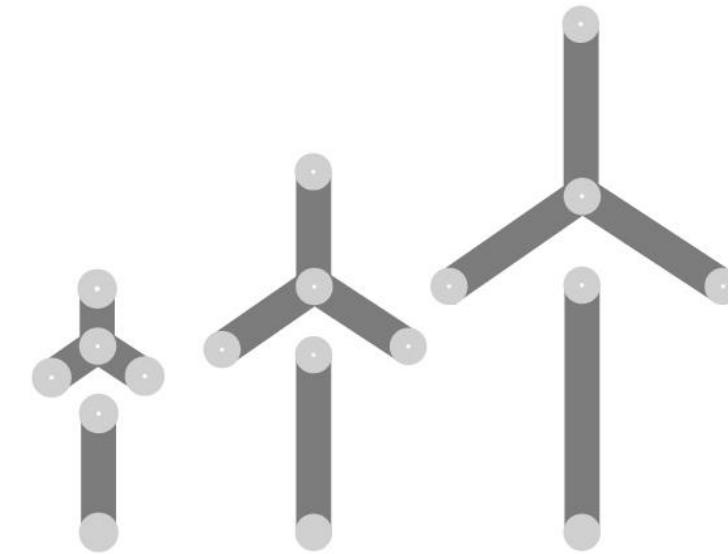
Covers a range of microgeneration technologies deployed in domestic properties



SOLAR
PHOTOVOLTAIC (PV)



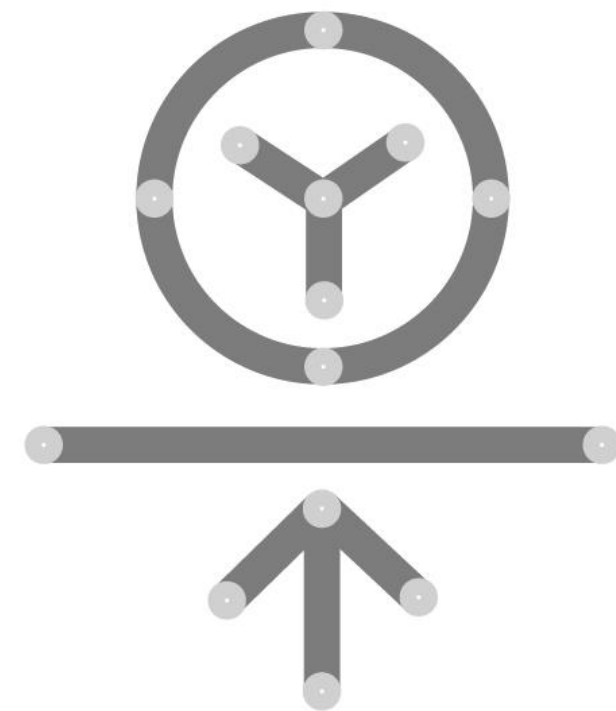
BATTERY STORAGE



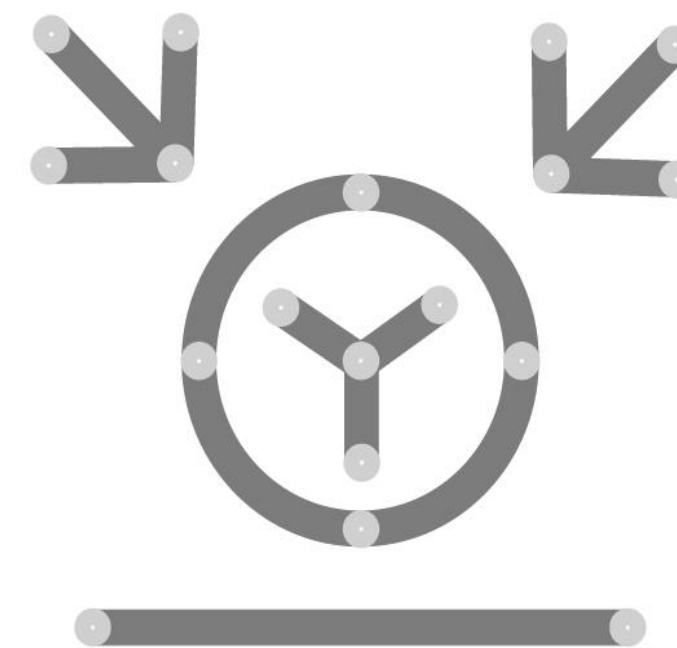
WIND TURBINES



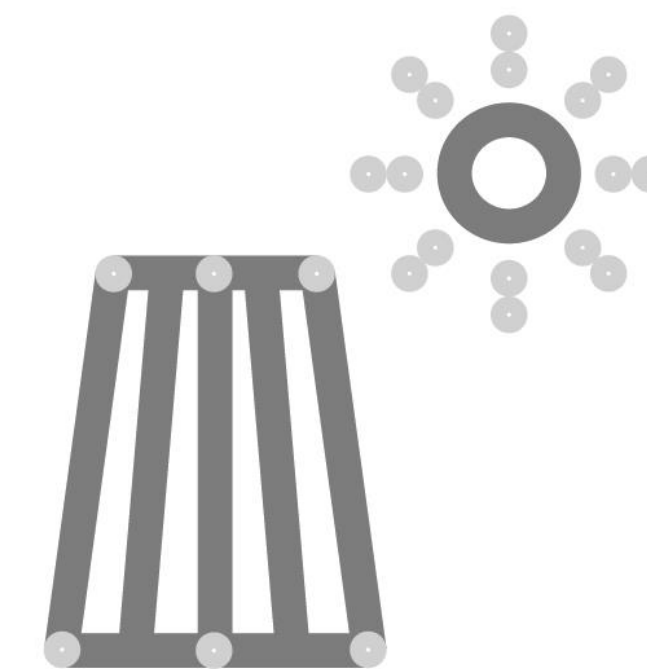
MICRO CHP



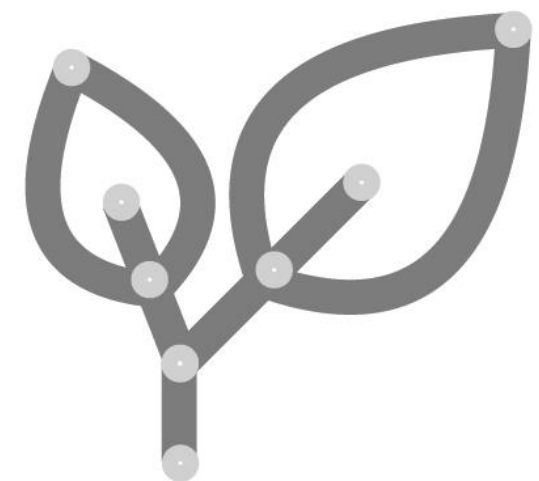
GROUND/WATER
SOURCE HEAT PUMP



AIR SOURCE
HEAT PUMP



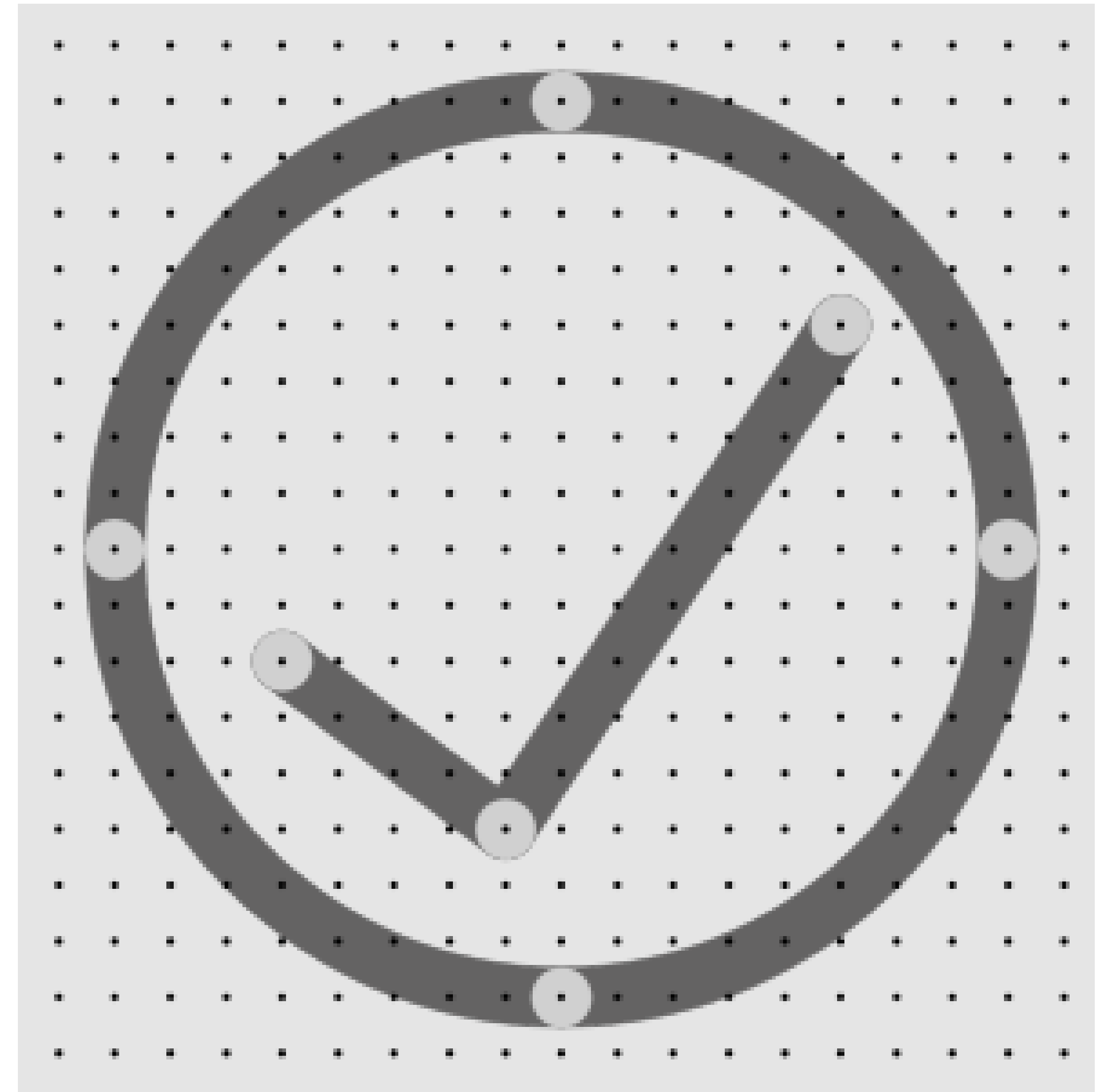
SOLAR THERMAL



BIOMASS

Scheme Developments

A changing MCS



MCS Developments

New operating framework for Certification Bodies

Split Heat Pump Standard – Design & Installation

Umbrella Scheme consultation just closed

Drilling Standard in development

Consumer Protections consultation

Low Carbon Heating Technician apprenticeship

MCS Dashboard (Renewing Britain Live)

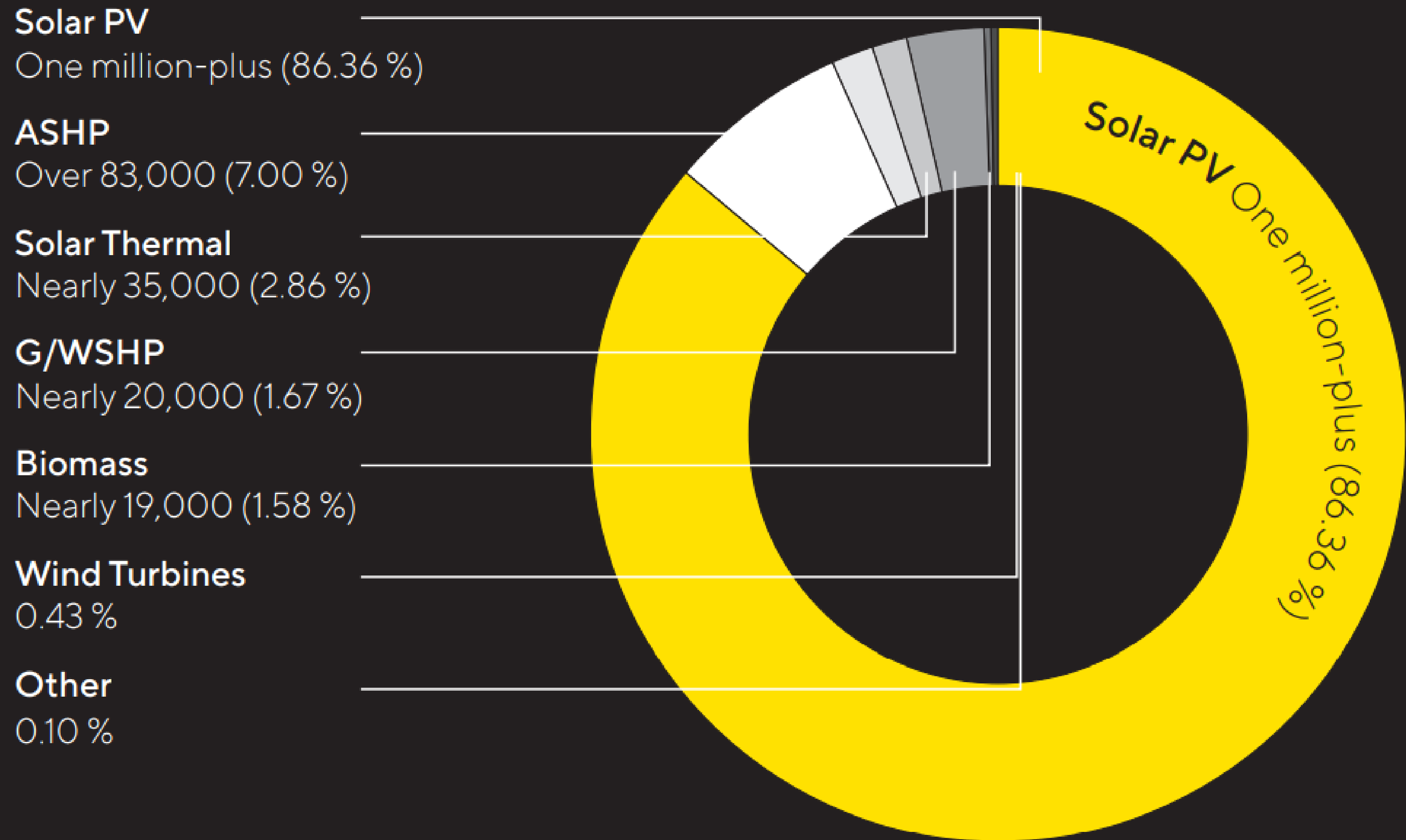


Market Overview

MCS Installations Database
Analysis



To the end of 2020



2021 so far

Solar PV
46,472 (60.6%)

ASHP
19,937 (26.0%)

Solar Thermal
6,993 (9.1%)

G/WSHP
2,979 (3.9%)

Solar PV
One million-plus (86.36 %)

ASHP
Over 83,000 (7.00 %)

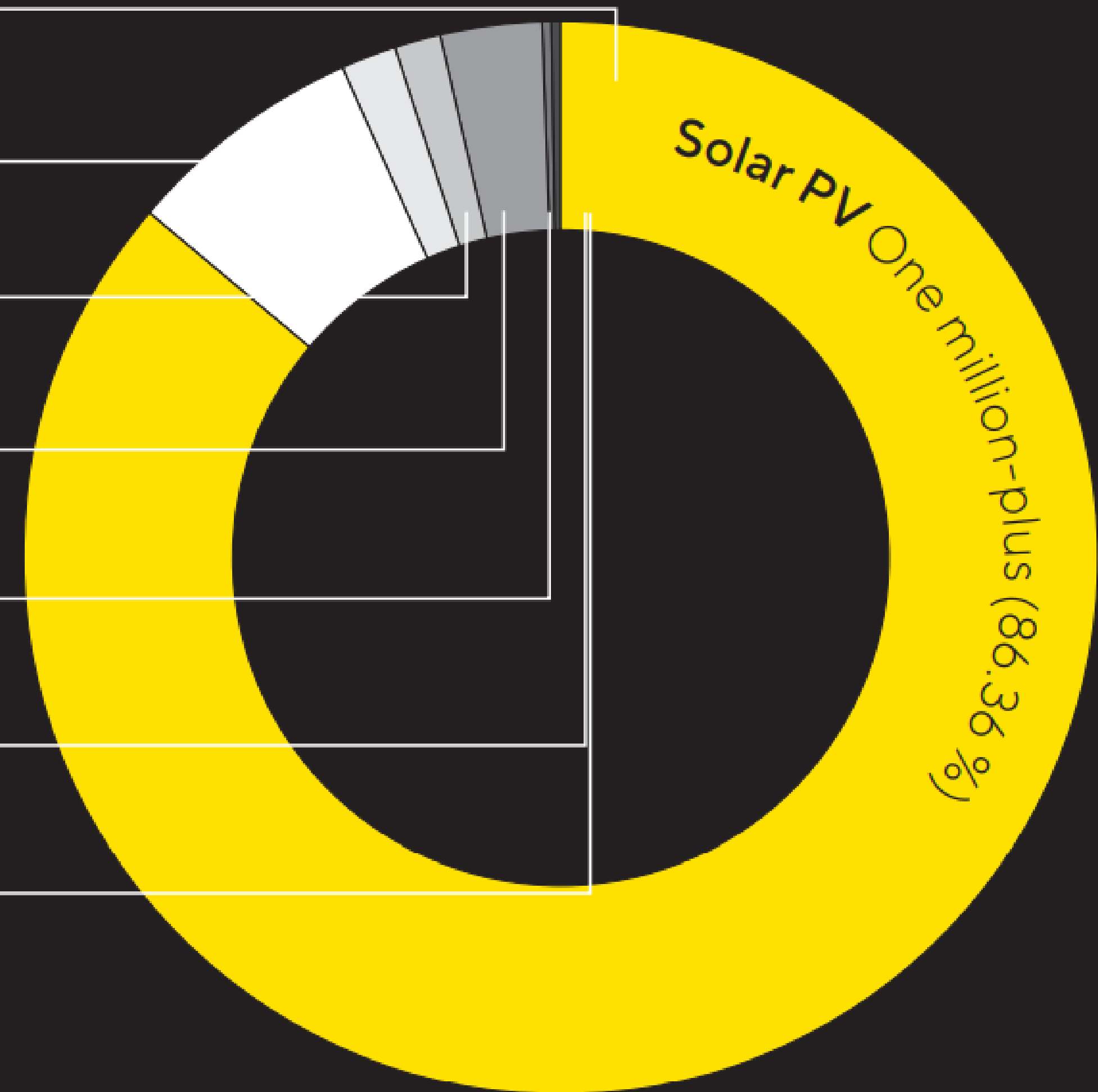
Solar Thermal
Nearly 35,000 (2.86 %)

G/WSHP
Nearly 20,000 (1.67 %)

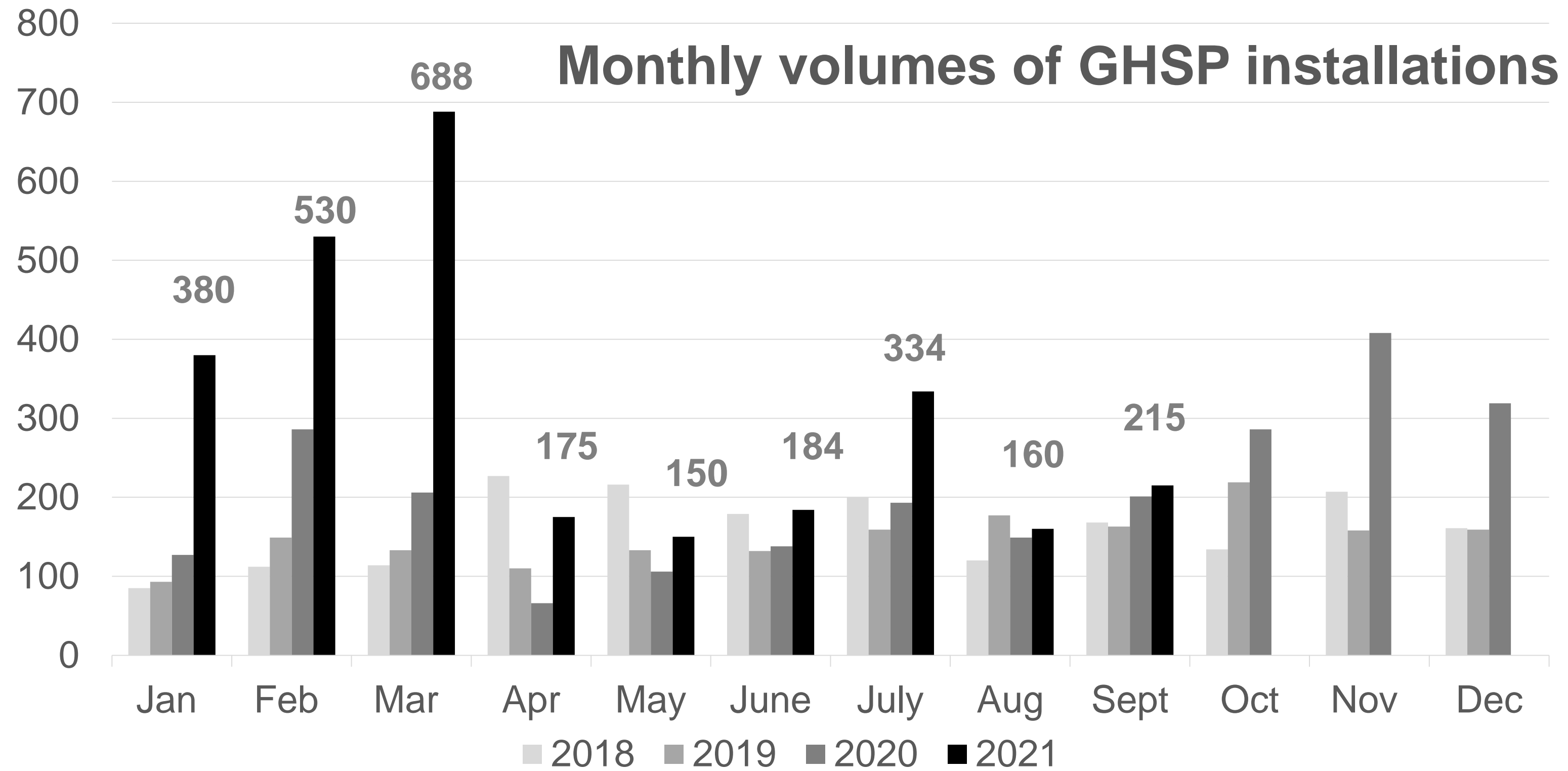
Biomass
Nearly 19,000 (1.58 %)

Wind Turbines
0.43 %

Other
0.10 %



MCS Volumes: GSHP Installations



MCS Volumes: Active Installers

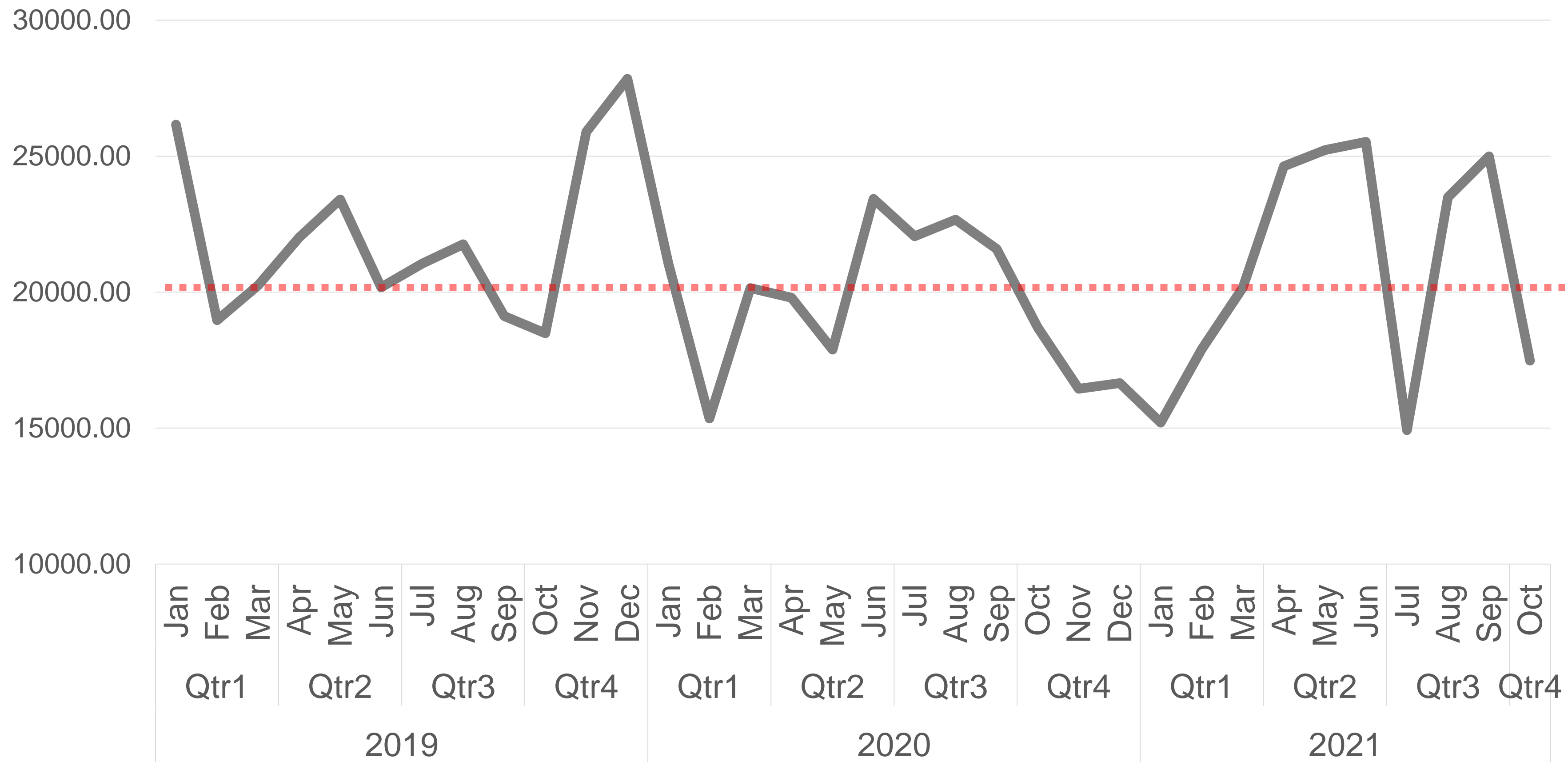
Comparison of active installers Year on Year (January to October)

	Number of Installations	Number of Installers (Contractors)	Average installs per Installer
Jan-Oct 2021	2929	288	10.2
Jan-Oct 2020	1758	236	13.4
Jan-Oct 2019	1468	240	6.1

MCS Volumes: Leading Manufacturers 2021 so far

G SH P M anufacturer	Value
Kensa HeatPumps	1247
NIBE AB	618
Heliotherm Wärmepumpentechnik GmbH	142
Ecoforest Geotermia, S.L.	141
Vaillant GmbH	140
PicoEnergy GmbH & Co.	130
Stiebel Eltron AG	126
Thermal Earth Ltd	117
CTC Division, Enertech Limited	95
CEO 2 Green S.L.	55

MCS Volumes: Average total cost of GSHP installation 2019-2021



2019	£21,865
2020	£18,909
2021	£19,807

MCS Volumes: Where are the installations?

Local Authority / City Region	2021 Installs	% of Total
1 Manchester	194	8%
2 Glasgow City	123	5%
3 Cornwall	105	4%
4 Sunderland	101	4%
5 Ryedale	85	3%
6 Stockport	82	3%
7 Leeds	60	2%
8 Oxford	56	2%
9 Sheffield	52	2%
10 East Riding of Yorkshire	50	2%





Website: mcscertified.com



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