

Asset Register

Asset type	Capacity	How it is normally used?	When the asset is typically operated?	How often asset can be used to provide flexibility?	What is the likely flexibility available?
CHP	530 kVA	Primary source of heat and hot water	Heat led	TBC	TBC
CHP	500 kVA	Source of heating	electrical demand 24/7 (80% load at all times)	any time - potential ramp up to 100%	100 kW
CHP	238 kVA	Backup for Biomass	not used - carbon cost outweighs fiscal savings at current	any time	238 kW
CHP	200 kVA	Primary source of heating (supported by gas boilers)	lead by electrical demand with heat demand - potential ramp down in summer	Summer months only	50 kW
CHP	50 kW	Backup for Biomass	Lead by heat demand	any time	50 kW
CHP	35 kW	Backup for Biomass	Lead by heat demand	any time	35 kW
Demand response	~88-120 kVA	all the time	lead by cooling requirements	TBC	TBC
EV charger	7 kW x 10	User led	Mon-Fri, 8.30-18.30	TBC	Depends on the number of connected vehicles and how long these vehicles have been charging
Ground Source Heat Pump	33 kW	Primary source of heating	Heat led, all time	TBC	33 kW
PV	1000 kWp	Not operational (planned)	Passively, MPPT	TBC	Demand turn up
PV	100 kWp	Embedded generation	Passively, MPPT	TBC	Demand turn up
PV	62 kWp	Embedded generation	Passively, MPPT	any time	Demand turn up
PV	60 kWp	Embedded generation	Passively, MPPT	TBC	Demand turn up
PV	50 kWp	Embedded generation	Passively, MPPT	TBC	Demand turn up
PV	30 kWp	Embedded generation	Passively, MPPT	any time	Demand turn up
PV	20 kWp	Embedded generation	Passively, MPPT	TBC	Demand turn up
Standby generator	800 kVA	Emergency back up	N/A	any time (subject to IT agreement)	Limited to the total demand of the site at the time of flexibility service delivery.
Standby Generator (diesel)	1250 kVA	Emergency back up	Emergency back up	Operation required to be confirmed before use.	Limited to the total demand of the site at the time of flexibility service delivery.
UPS	400 kVA	Emergency back up	n/a	TBC	Limited to the total demand of the site at the time of flexibility service delivery. Subject to Risk/Reward.