

Flexible Power Procurement Requirements.

**2019 Procurement Cycle 2 –
Issued July 2019**

Purpose of this document

This document provides detailed information on the Constraint Management Zones (CMZs) Western Power Distribution intends to procure demand response services for within its second procurement cycle for 2019.

This document is split into the following sections:

- [Section 1](#) Introduction
- [Section 2](#) Procurement cycle 2 CMZ Summary table
- [Section 3](#) Detailed information on each CMZs requirement
- [Section 4](#) The process we will use to procure these services
- [Section 5](#) Minimum eligibility criteria
- [Section 6](#) Sources of further information

Section 1 – Introduction

Background

Western Power Distribution (WPD) is the electricity distribution network operation for the Midlands, South West & Wales. Its network delivers electricity over a 55,500 square kilometre service area to over 7.9 million customers.

Access to demand response services can increase WPD's ability to accommodate demand without having to build a larger network. This means WPD can reduce overall network expenditure, resulting in a wider saving to all WPDs customers.

Flexible Power is the customer facing brand created by WPD to deliver the procurement of demand response services.

Description of the services we intend to procure

WPD recognises that within its distribution area many electricity consumers have the potential to decrease import by shifting demand away from peak periods or the ability increase export by switching their consumption to on-site generation. Where WPD has a known constraint on its network, it wishes to enter into contract with these consumers which will allow WPD to utilise this demand and generation flexibility in return for a payment. This type of arrangement is widely referred to as demand response.

Constraints on WPDs network are confined to specific geographical locations, WPD defines these locations as Constraint Management Zones (CMZs). WPD will be seeking to procure demand response services within CMZs it has identified and published on its Flexible Power website. The website will provide a map of the CMZs location, a postcode finder to allow potential demand suppliers to confirm their site is within the CMZ and the operational window the demand response will be required in. The operational window will detail; the time of year WPD will require the demand response, the time of day WPD will require the demand response and a forecast of the total MWhs WPD anticipate needing within the window. Operation windows will generally be seasonal to support the constraints within the summer and winter demand peaks. Contracts will be awarded for the minimum of 1 year, with the option to extend into further years should the CMZ have ongoing requirements. WPD may decide to award multiple contracts within a CMZ to meet its peak MW requirement.

WPD will procure demand response services in alignment with the services described in ENA'S Open Networks Project DSO Service Definitions document ONSWSP210SEP18.

Section 2 - Cycle 2 CMZ Summary

WPD's 2019 cycle 2 demand respond requirements are across 17 CMZs, totalling 184MW. This table summarises each CMZ WPD intends to include within its second 2019 procurement cycle.

Zone Name	Zone Location	Applicable Products	MW Peak	Season
Banbury	Banbury, Oxfordshire	Dynamic & Restore	8.1	Summer
Bridgwater/Street	Bridgwater, Somerset	Secure & Restore	11.2	Summer
Donnington	Donnington, Ledbury	Dynamic & Restore	2.7	Winter
Lincoln/Beevor Street	Lincoln, Lincolnshire	Dynamic & Restore	2.6	Winter
Lincoln/North Hykeham	Lincoln, Lincolnshire	Dynamic & Restore	3.7	Winter
Mantle Lane	Coalville, Leicestershire	Dynamic & Restore	4.6	Winter
Plymouth/South Hams 1 (& 2)	Plymouth & South Hampton, Devon	Dynamic & Restore	46.56 (93.12)	Summer
Newton Abbot	Newton Abbot, Devon	Dynamic & Restore	16.4	Winter
Radstock	Radstock, Somerset	Dynamic & Restore	4	Winter
Woodhall Spa	Woodhall spa, Lincolnshire	Secure & Restore	0.5	Winter
Rugeley SGT	Rugeley, Staffordshire	Secure & Restore	16.8	Winter
Smethwick	Smethwick, Birmingham	Secure & Restore	10.8	Winter
Exeter	Exeter, Devon	Dynamic & Restore	24.9	Winter

<u>Bletchley</u>	Bletchley, Buckinghamshire	Dynamic & Restore	16.1	Winter
<u>Rugby</u>	Rugby, Warwickshire	Secure & Restore	6.1	Winter
<u>Hayle/Camborne</u>	Hayle & Camborne, Cornwall	Secure & Restore	8.1	Winter
<u>Isles of Scilly</u>	Isles of Scilly	Secure & Restore	0.7	Summer

Section 3 - Detailed information on each CMZs requirement

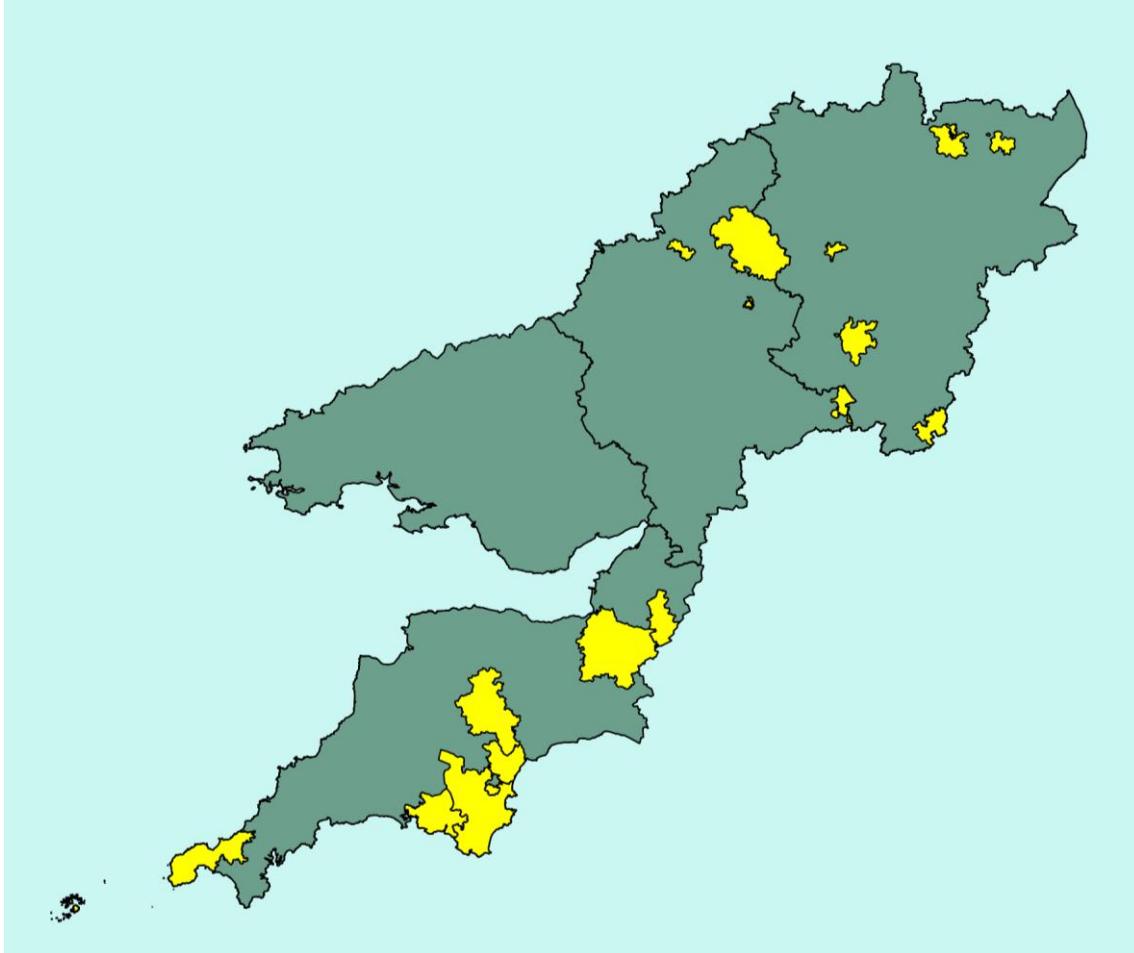
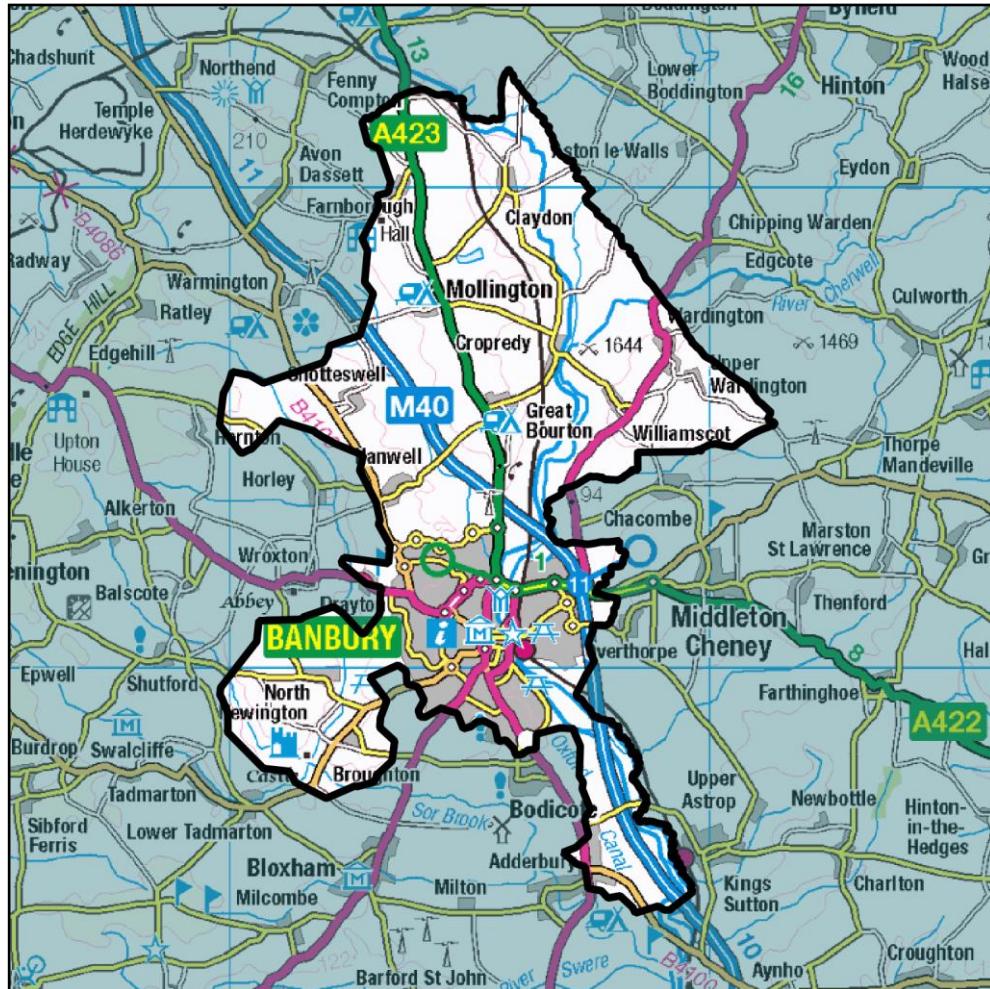


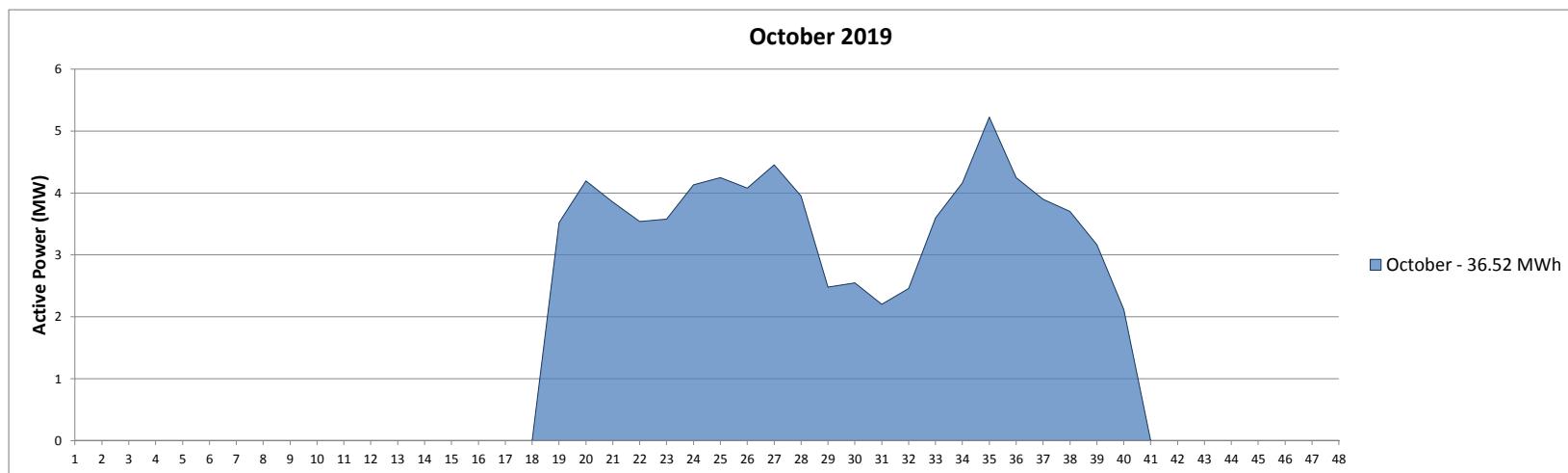
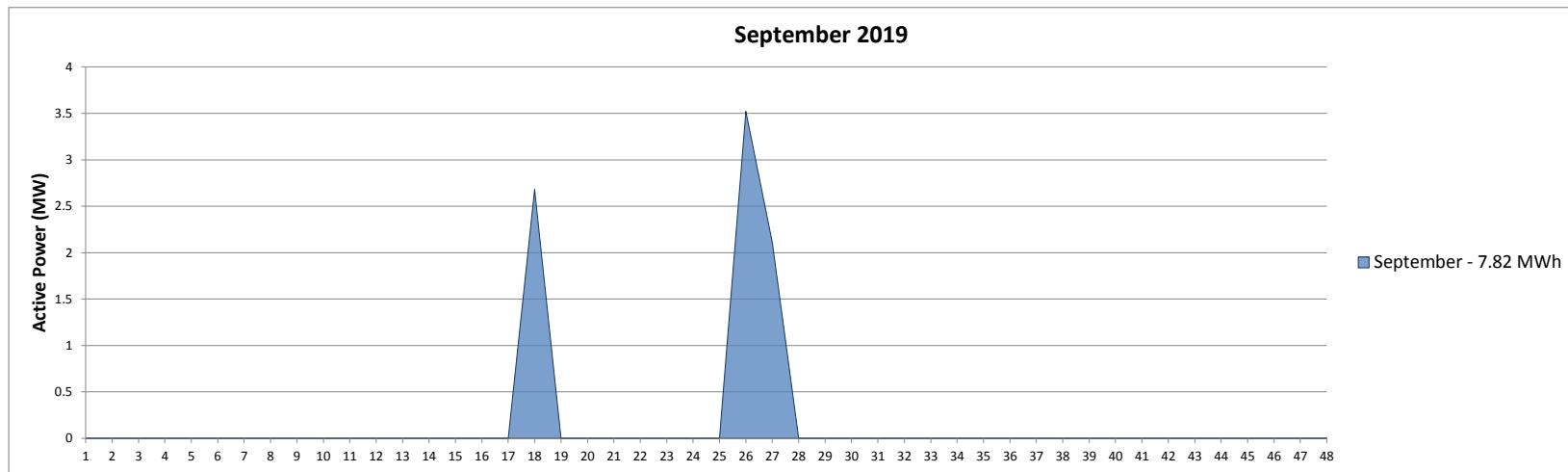
Image: map of WPD licence areas showing all CMZs WPD propose to include in the 2019 demand response procurement cycle 2.

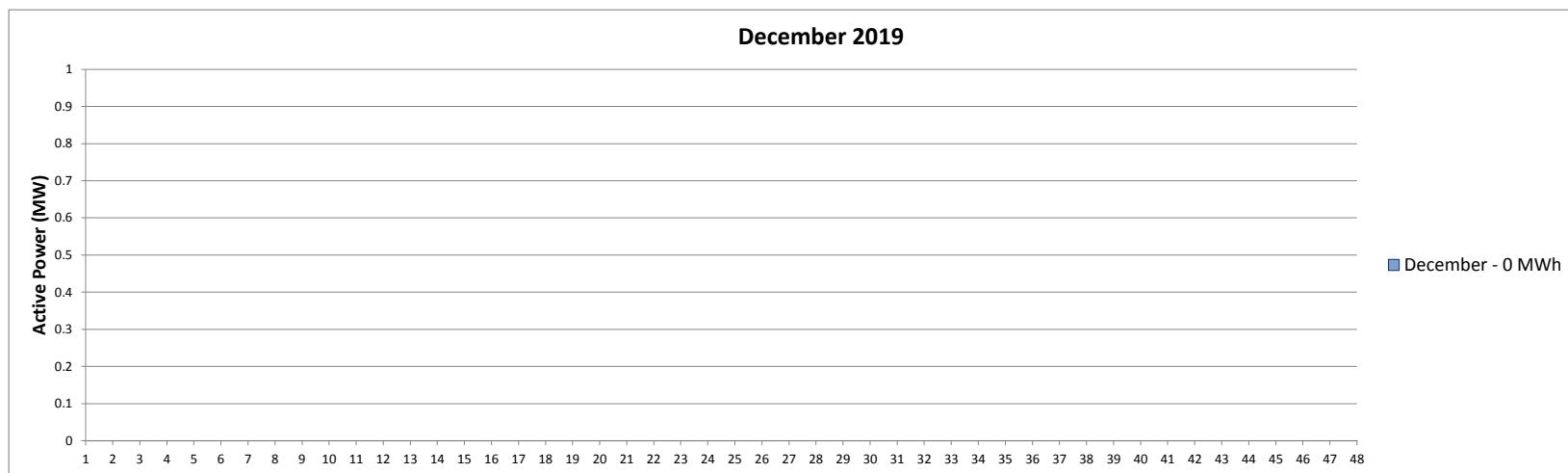
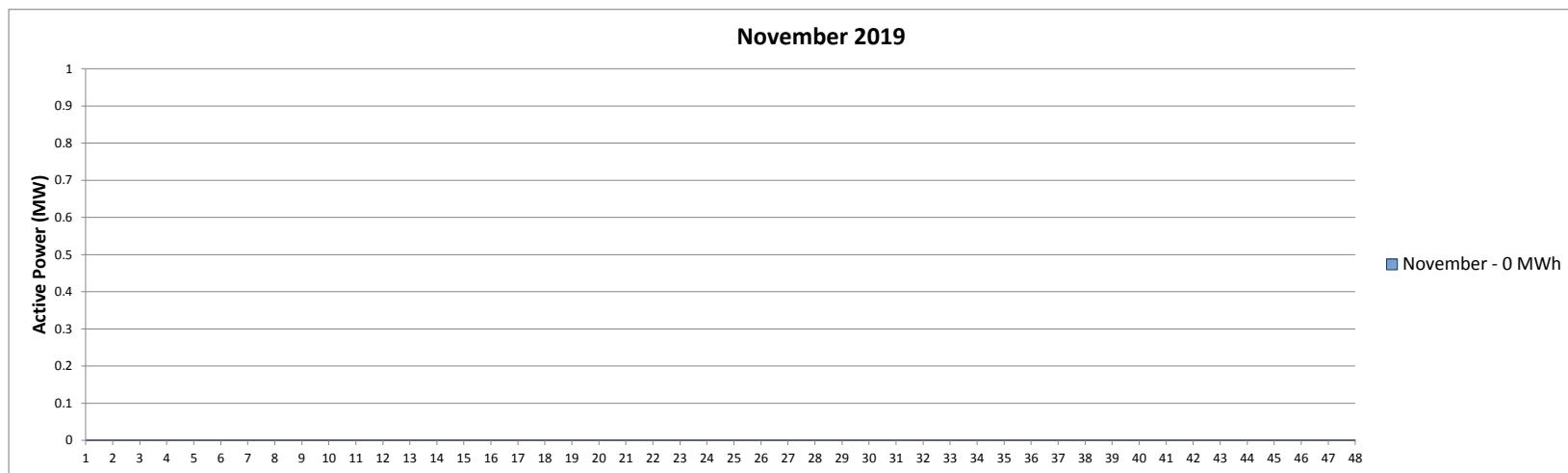
The following pages provide detail on each of the CMZs WPD propose to include in the 2019 demand response procurement cycle 2.

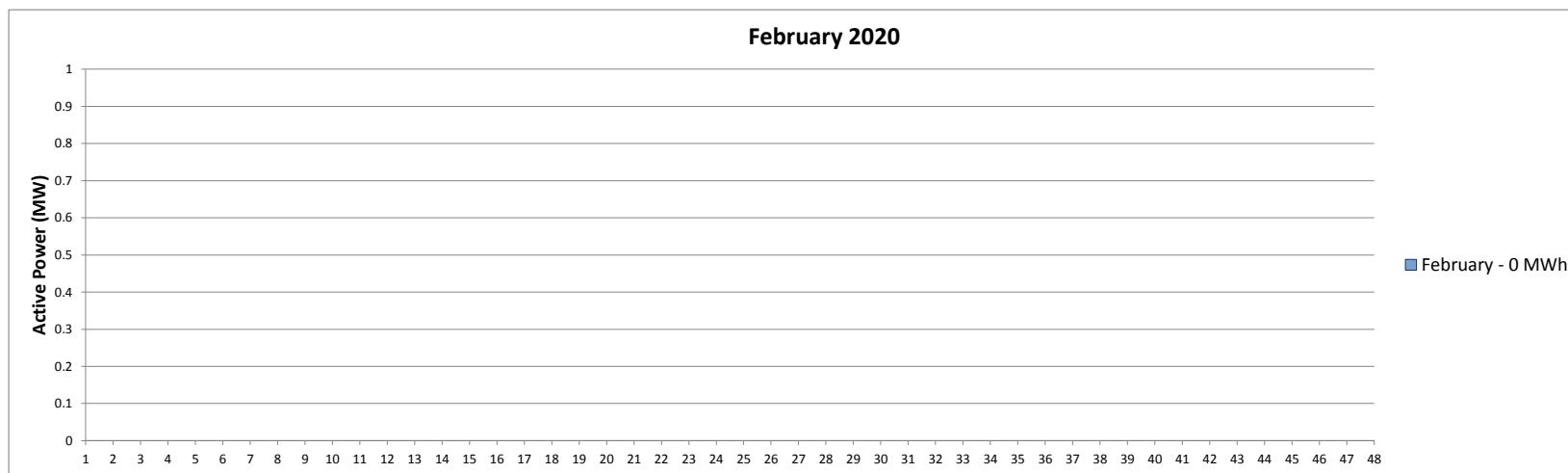
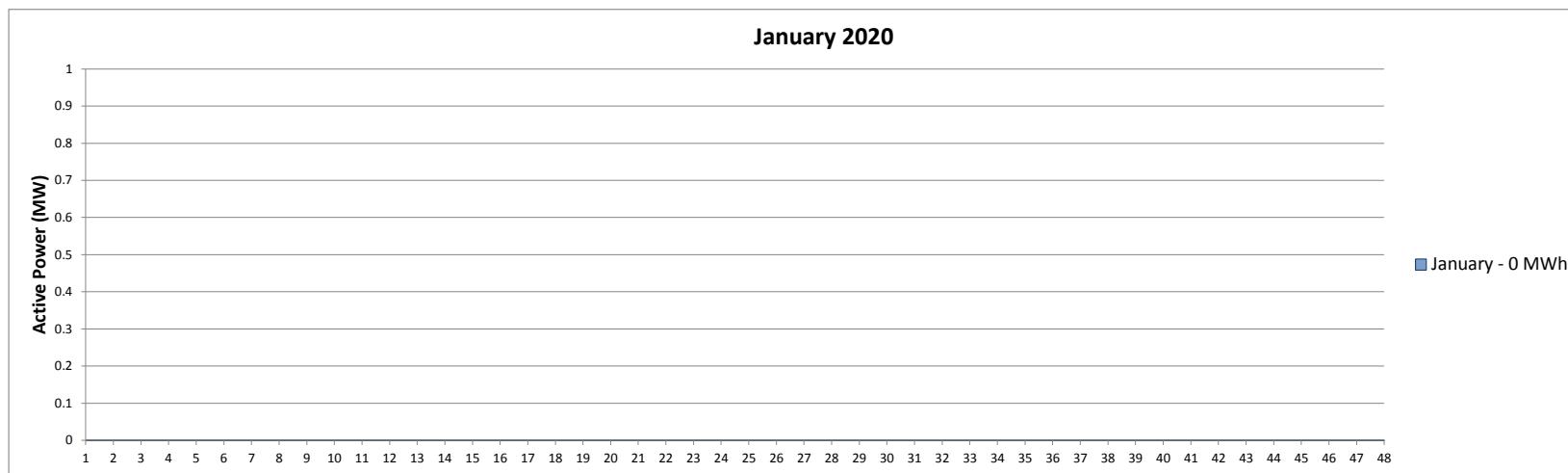
Flexibility Analysis Report for CMZ_T3_WM_0002 - Banbury

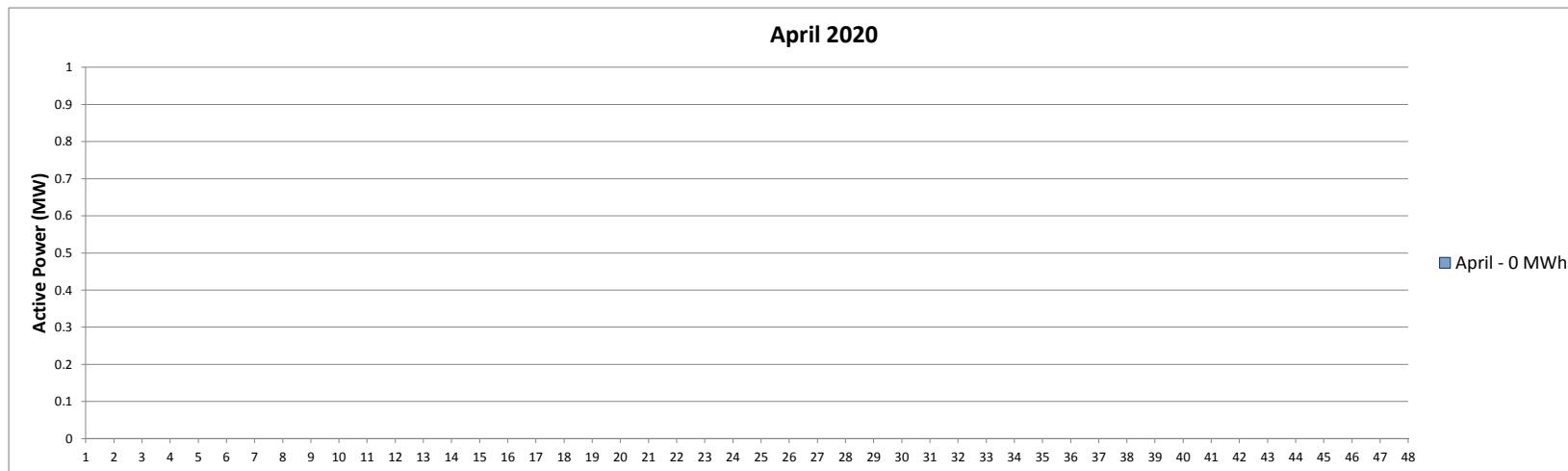
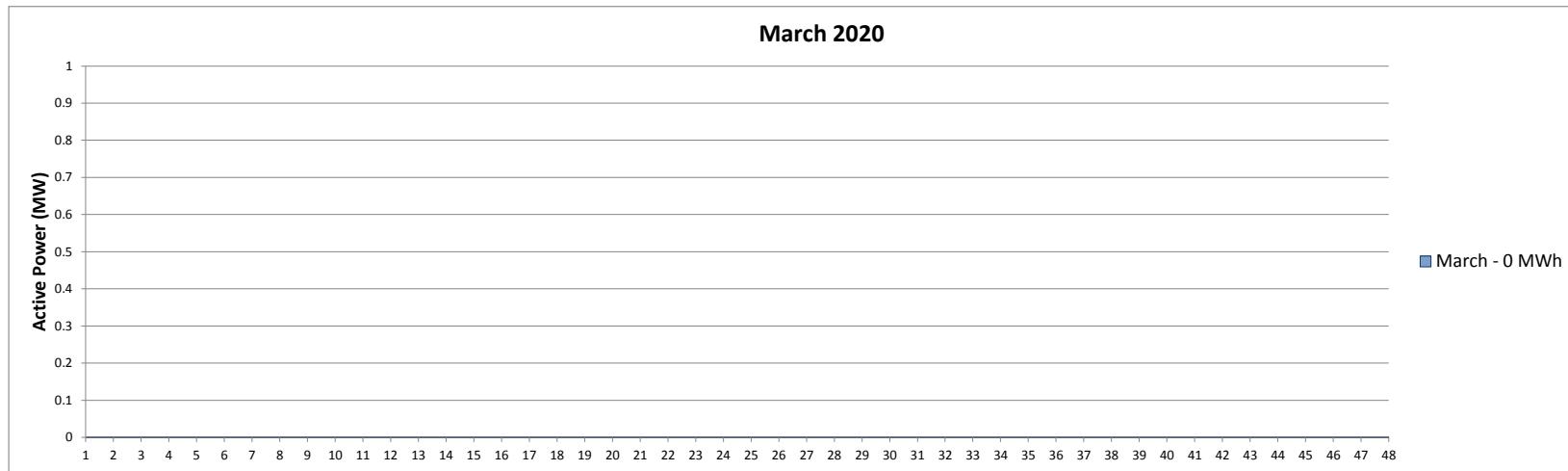


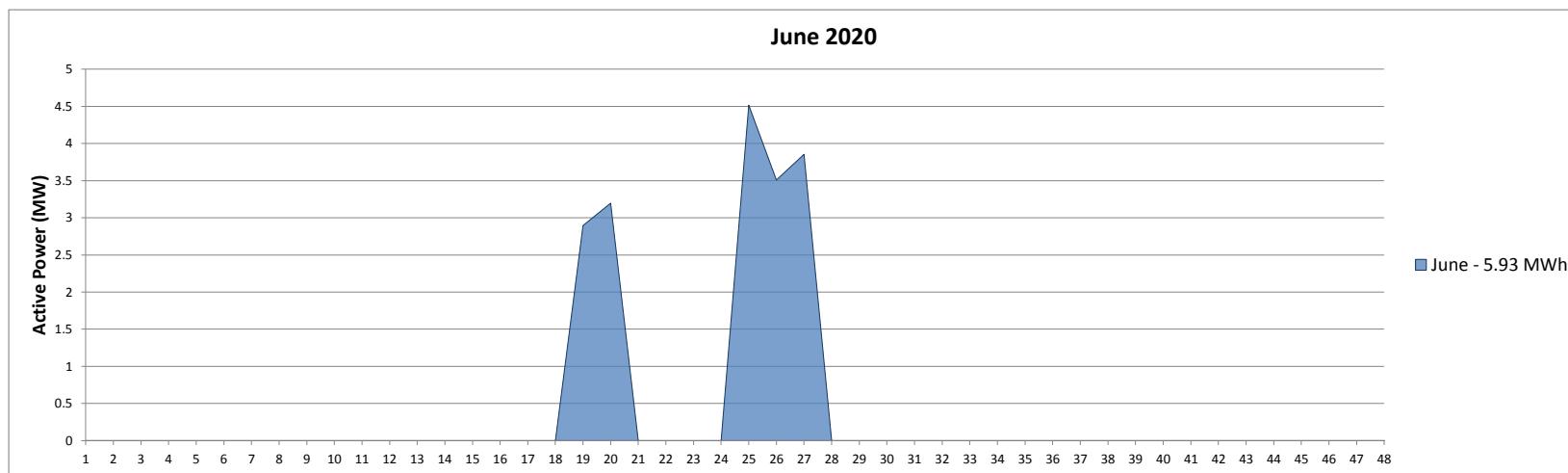
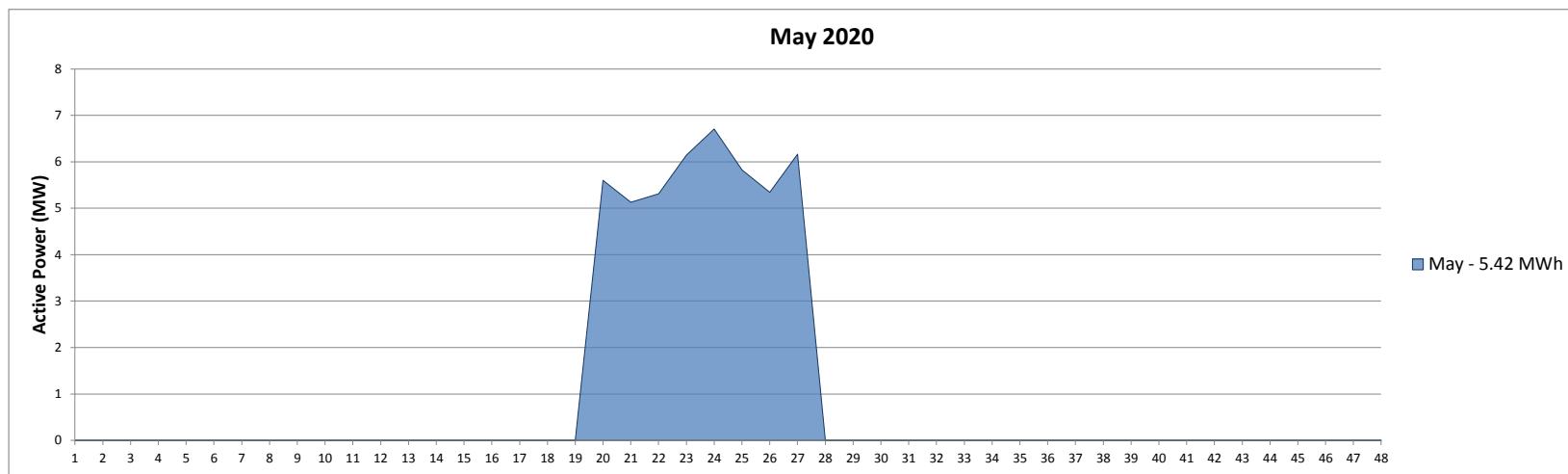
Products	Season	MW Peak
Dynamic & Restore	Summer	8.1

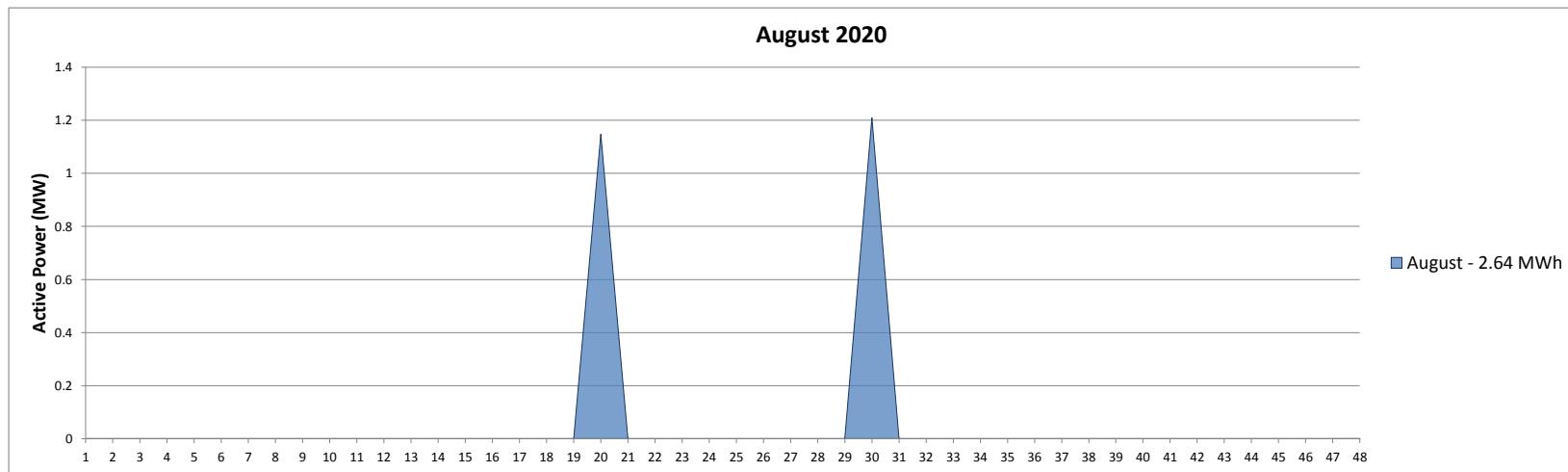
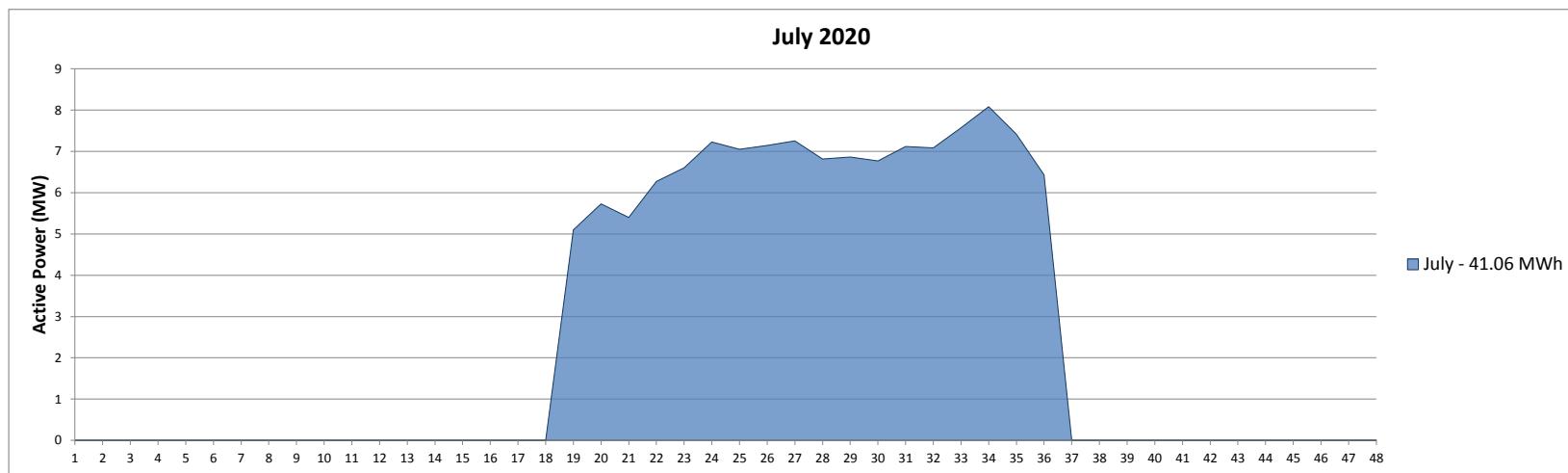


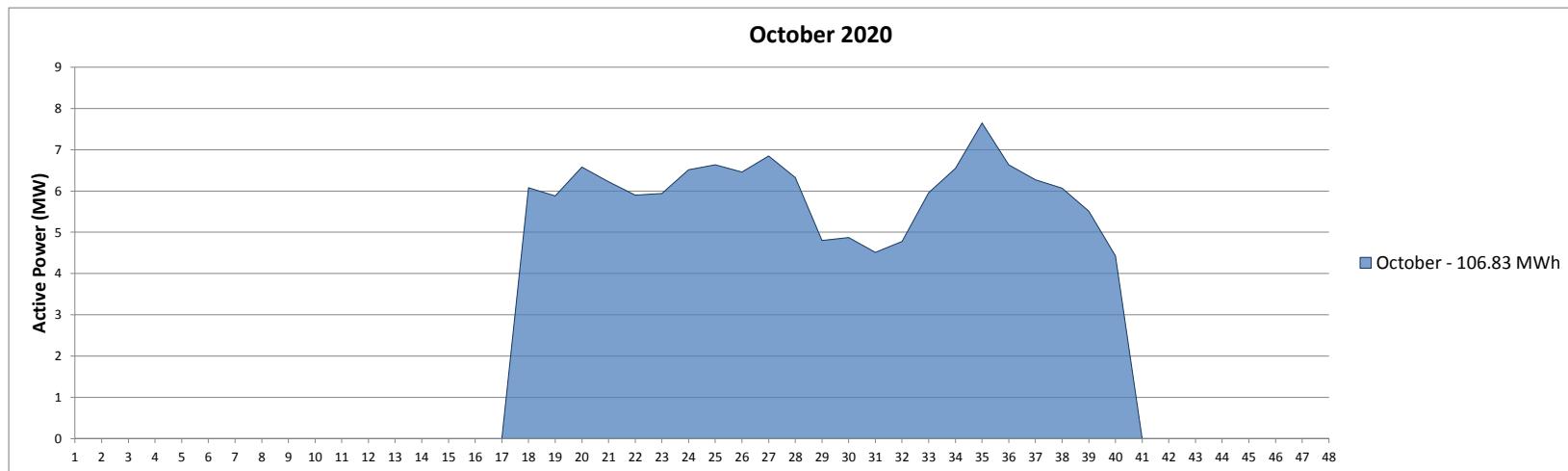
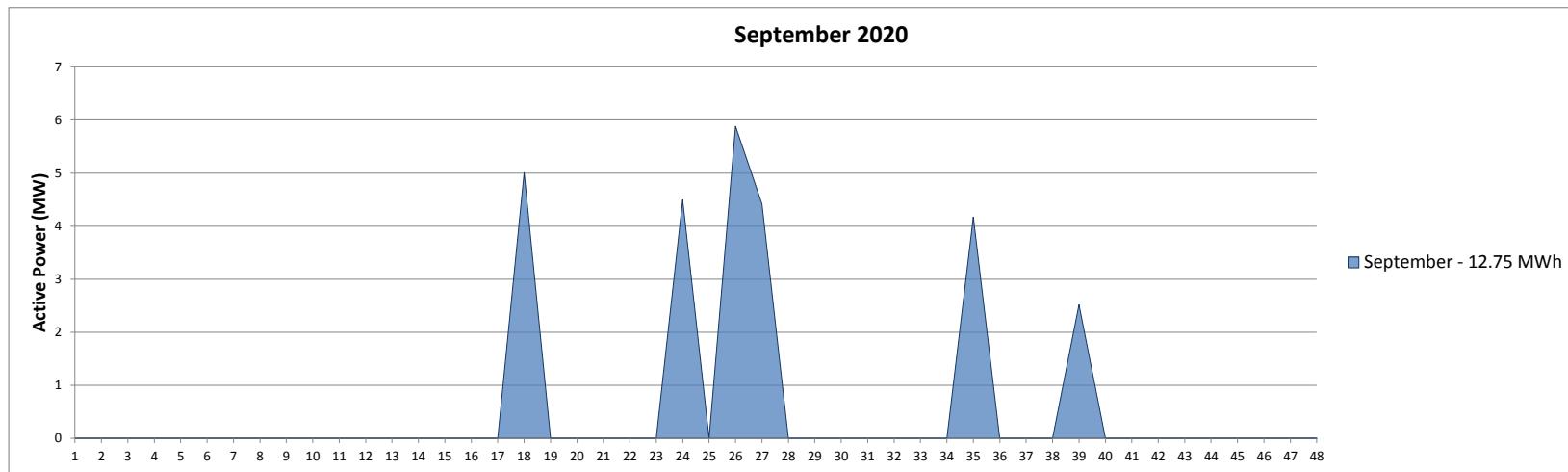










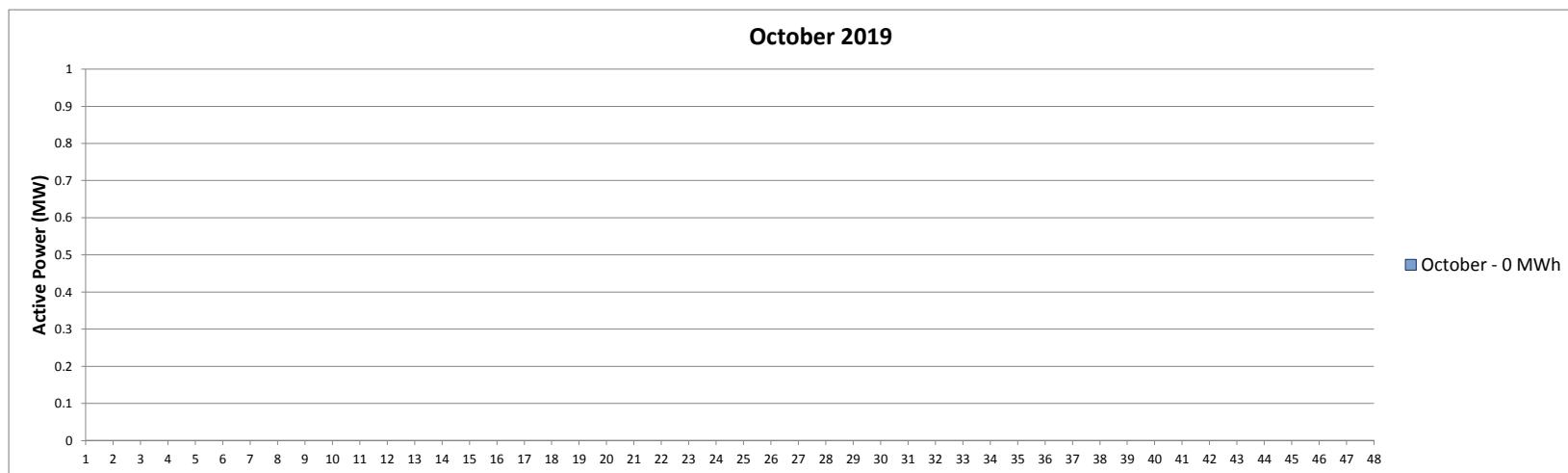
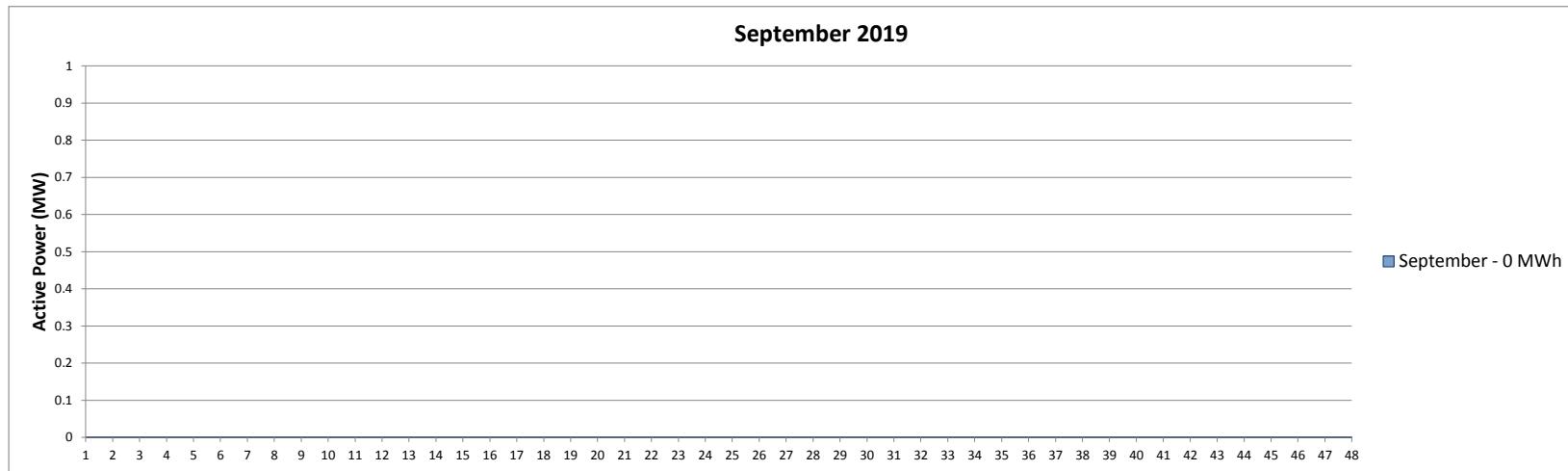


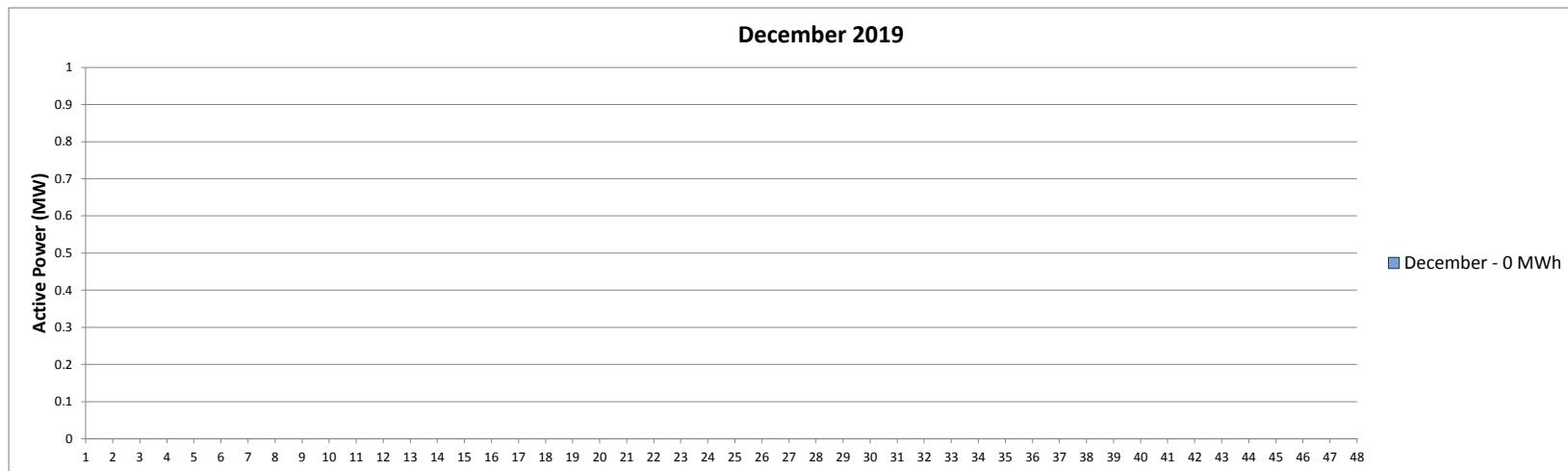
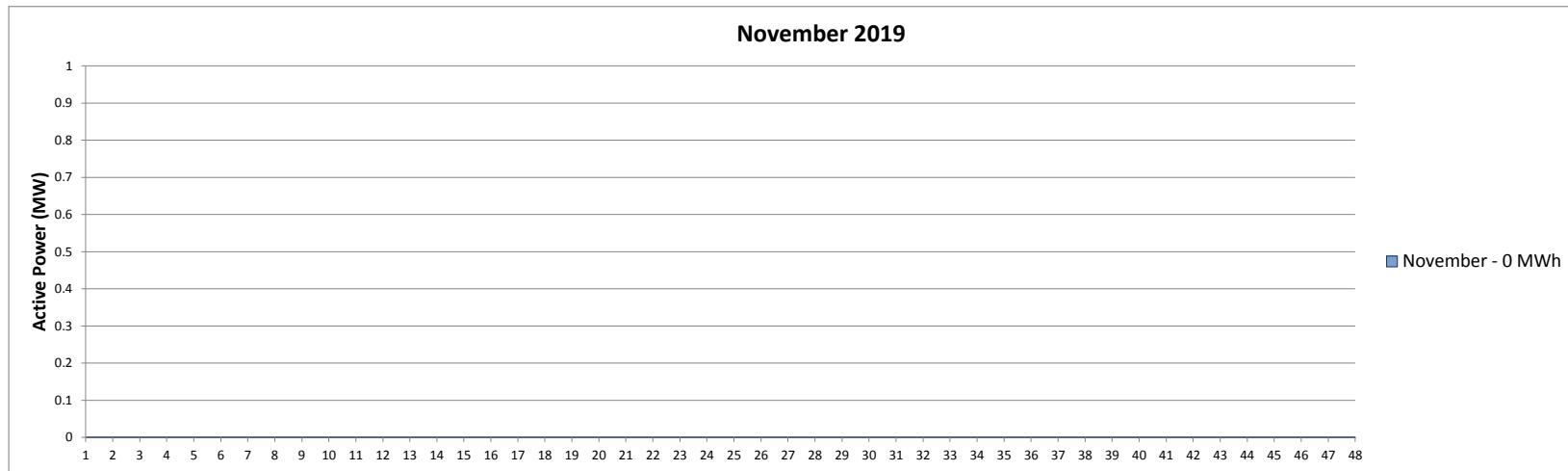
Flexibility Analysis Report for CMZ_T3_SWE_0005

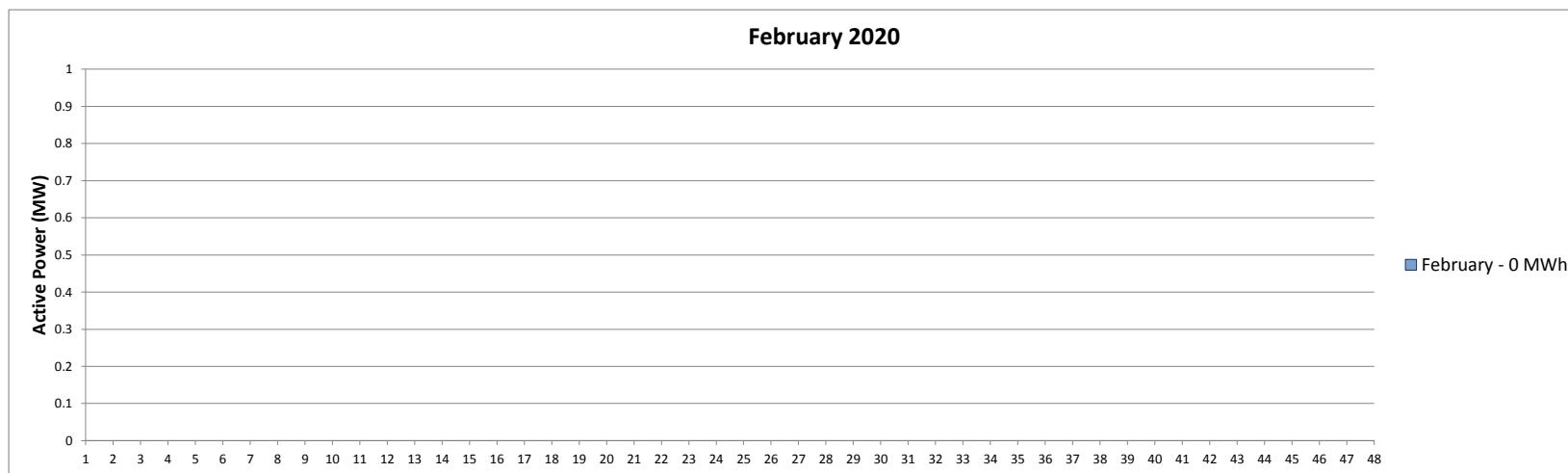
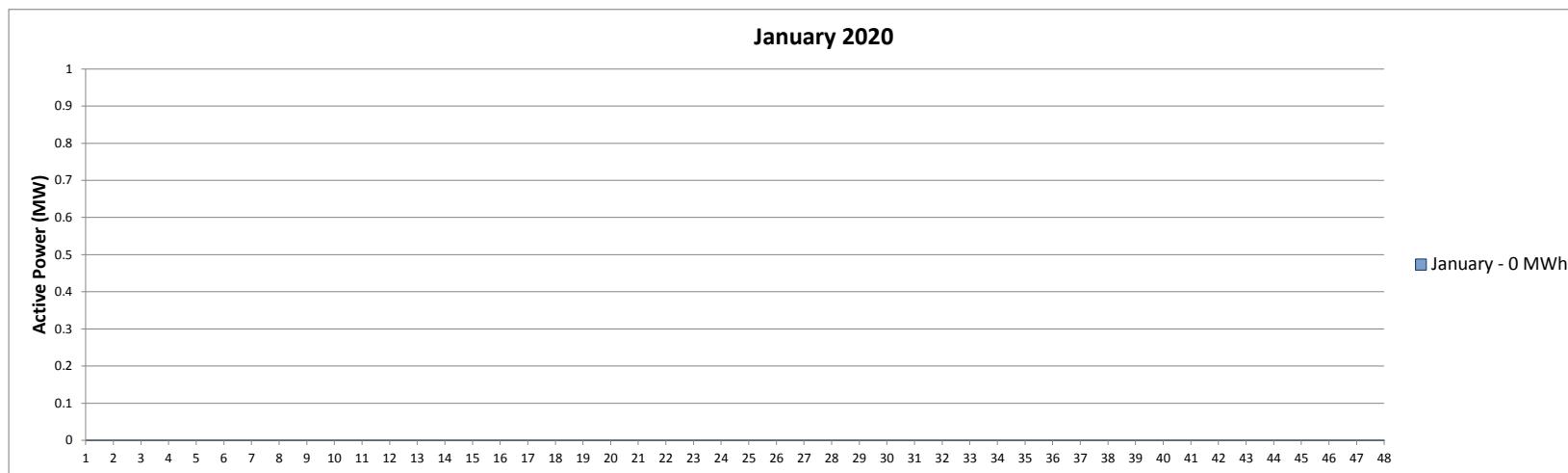
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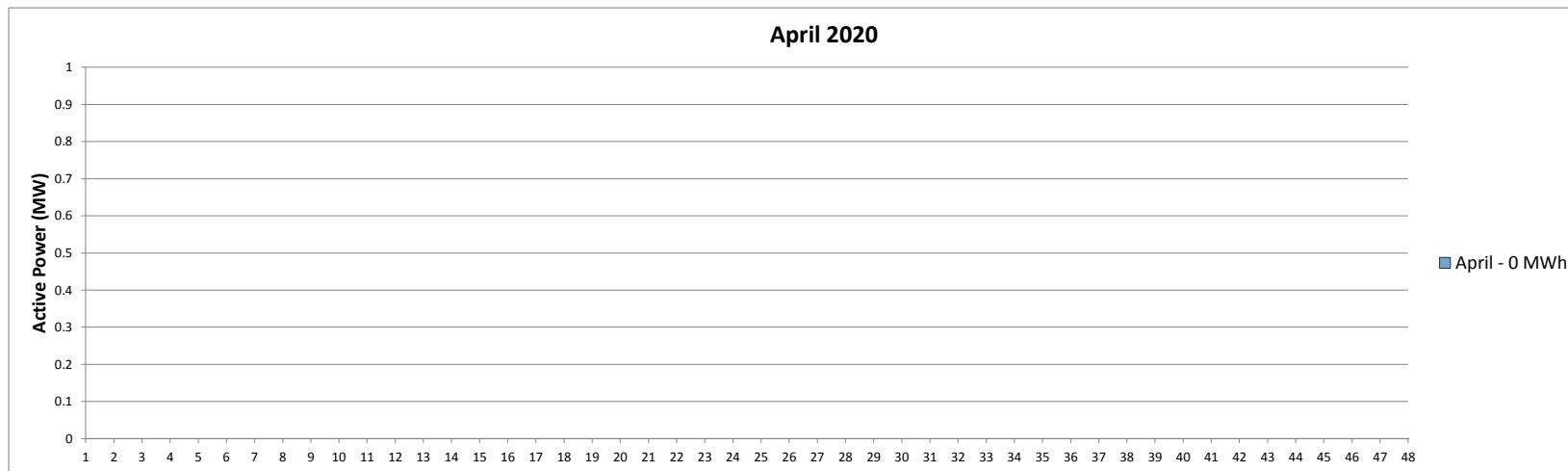
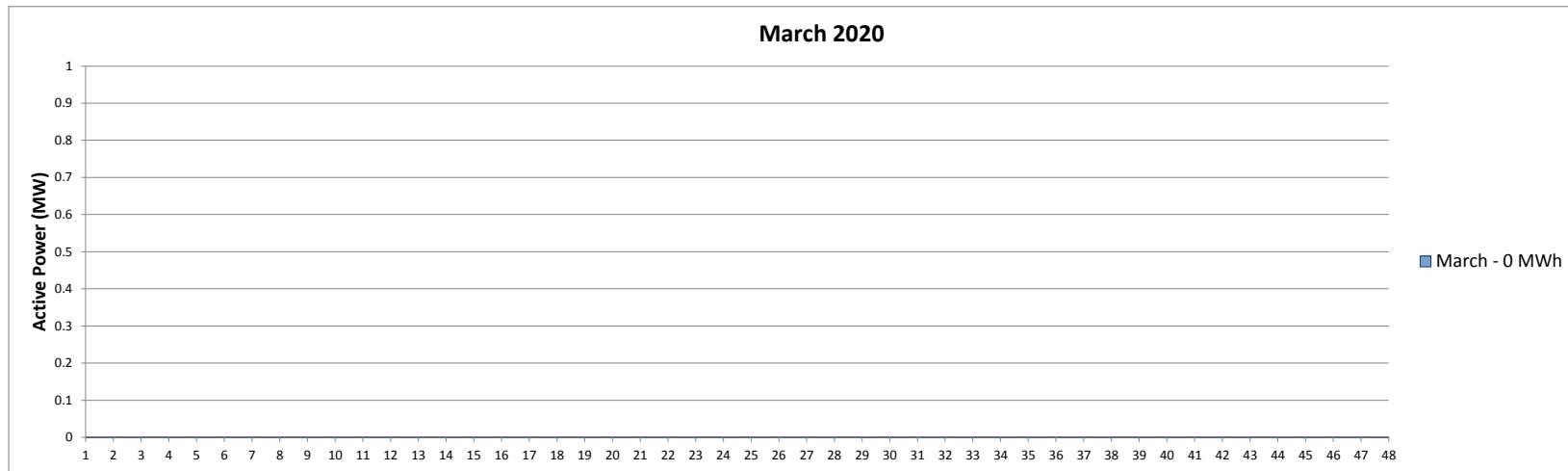


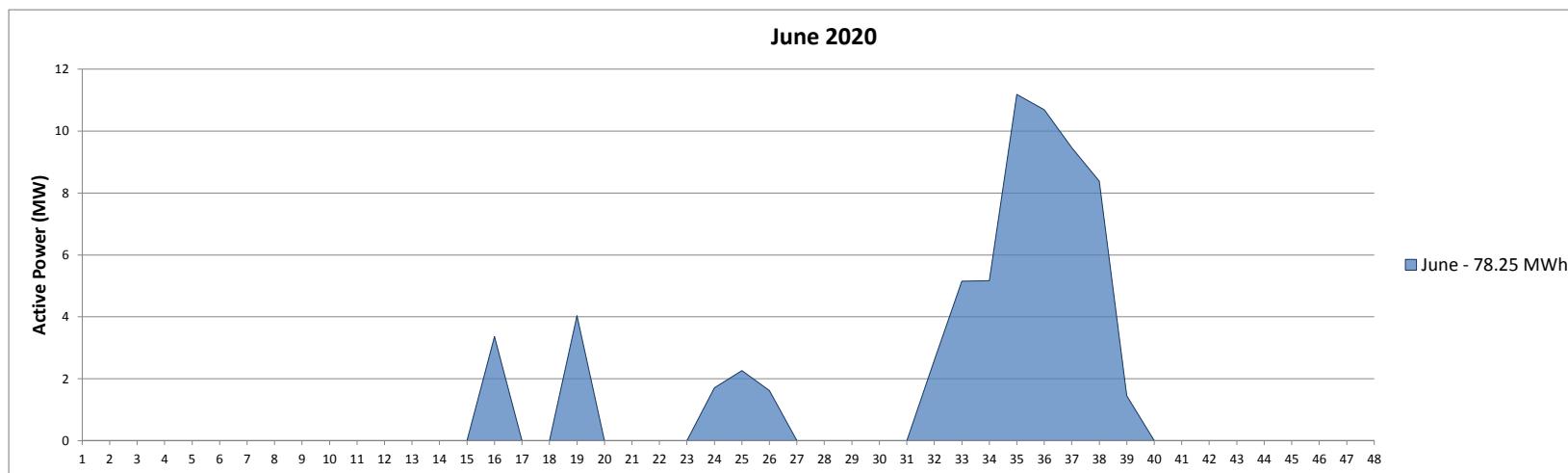
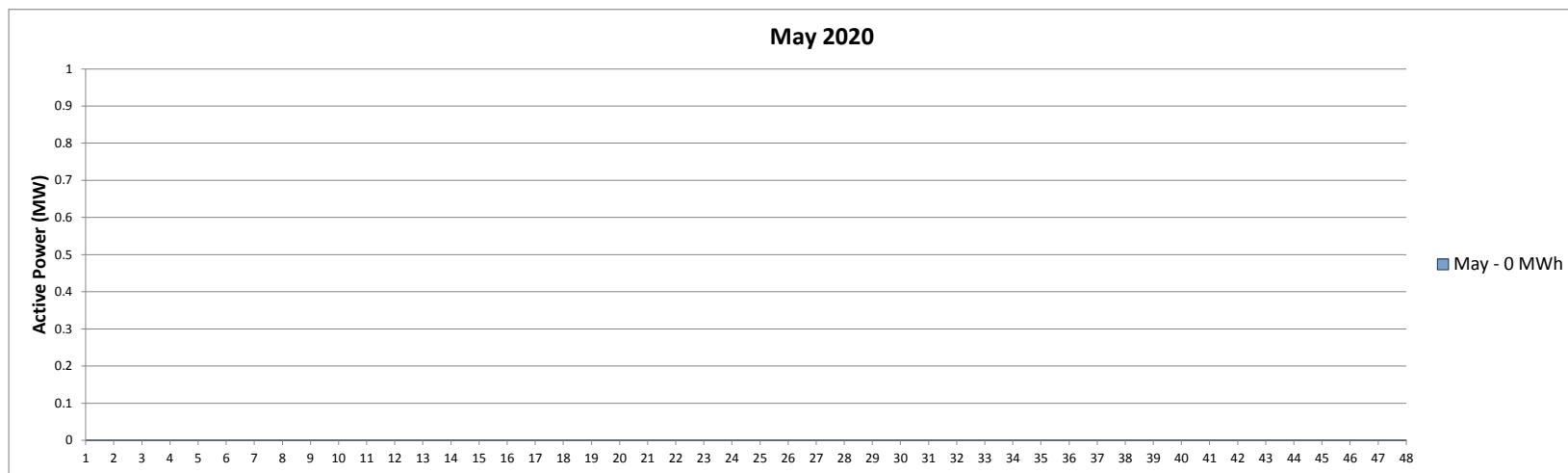
Products	Season	MW Peak
Secure	Summer	11.2

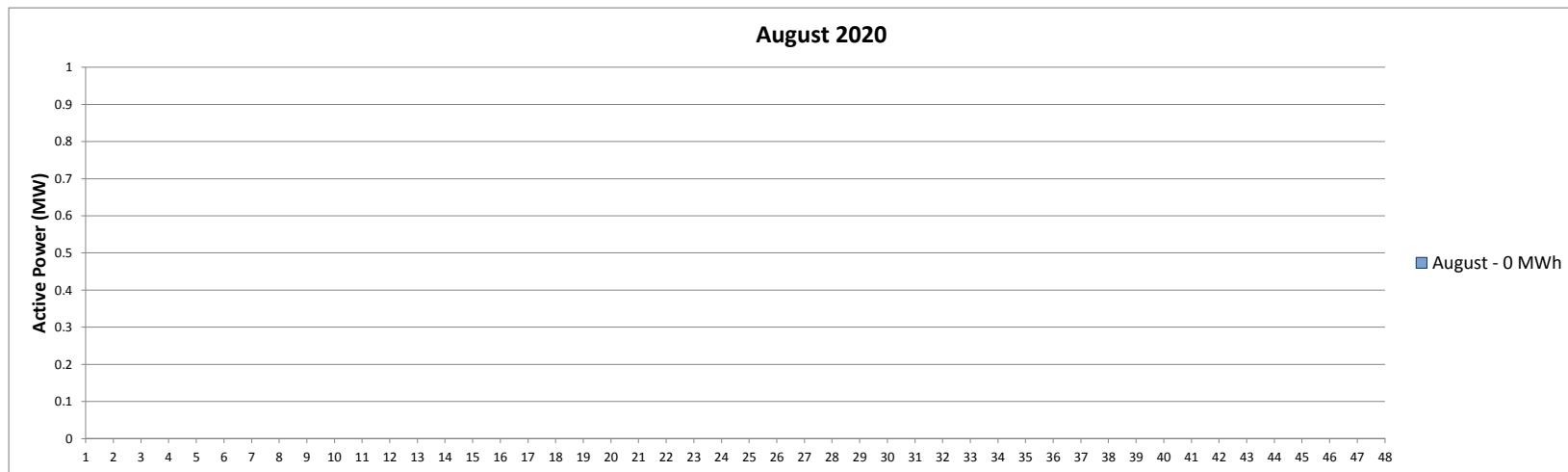
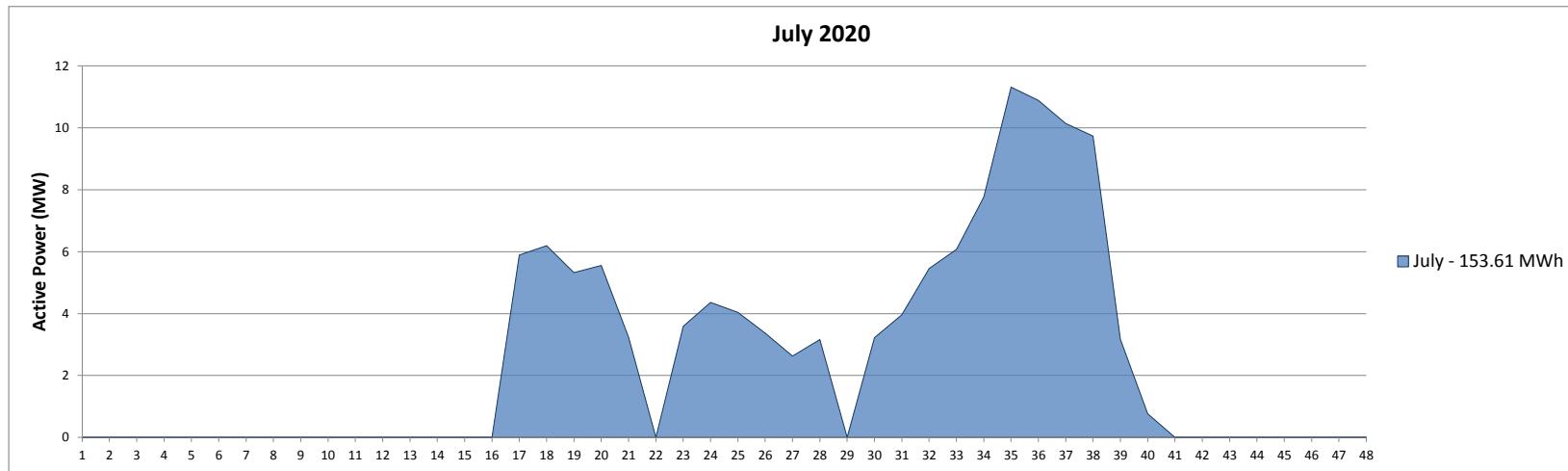


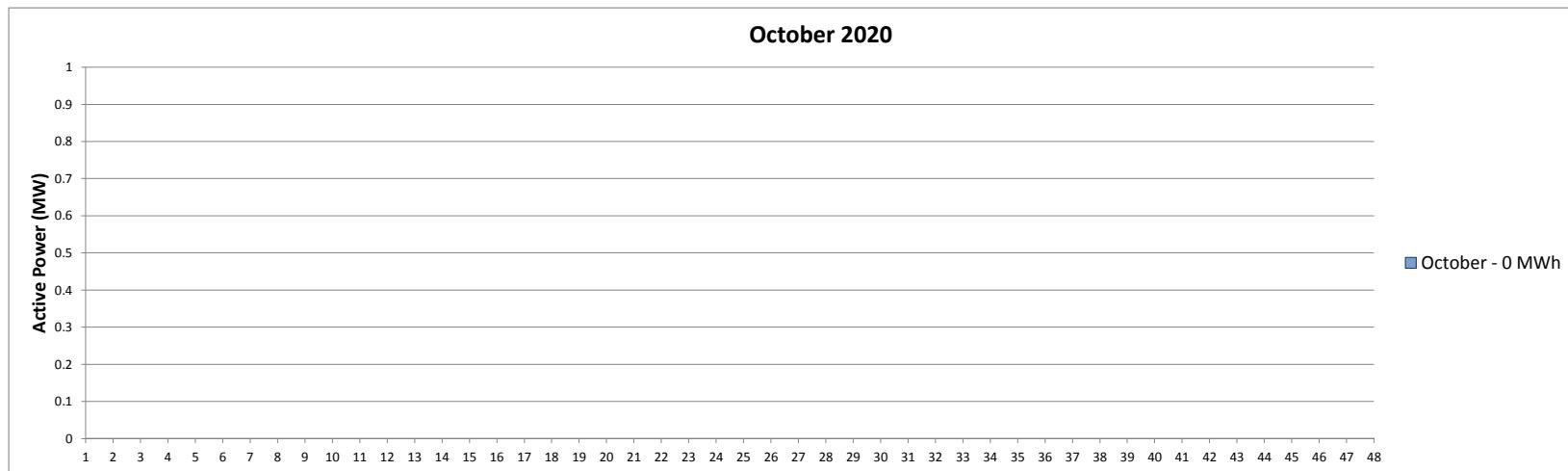
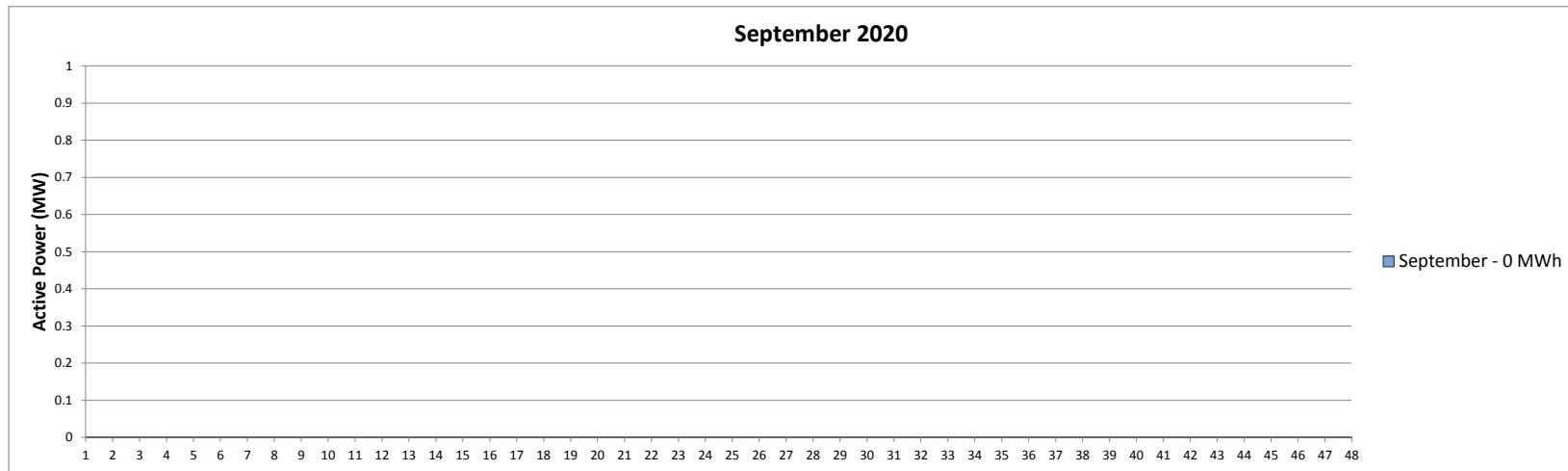




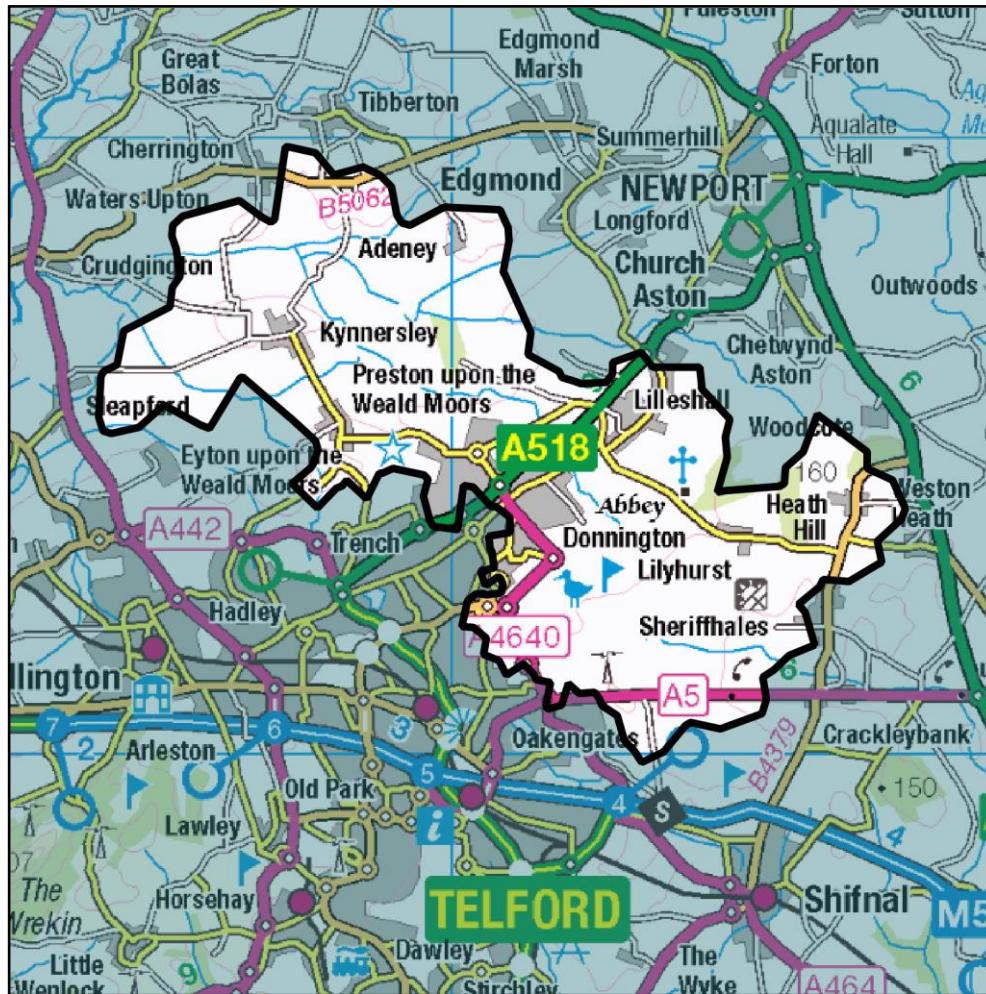




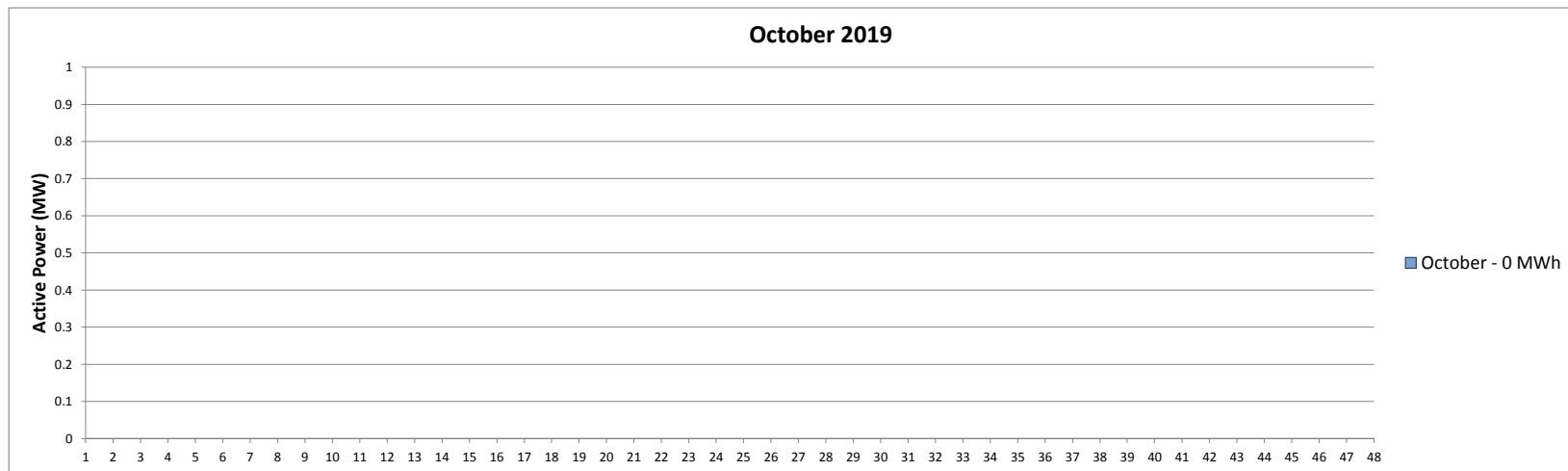
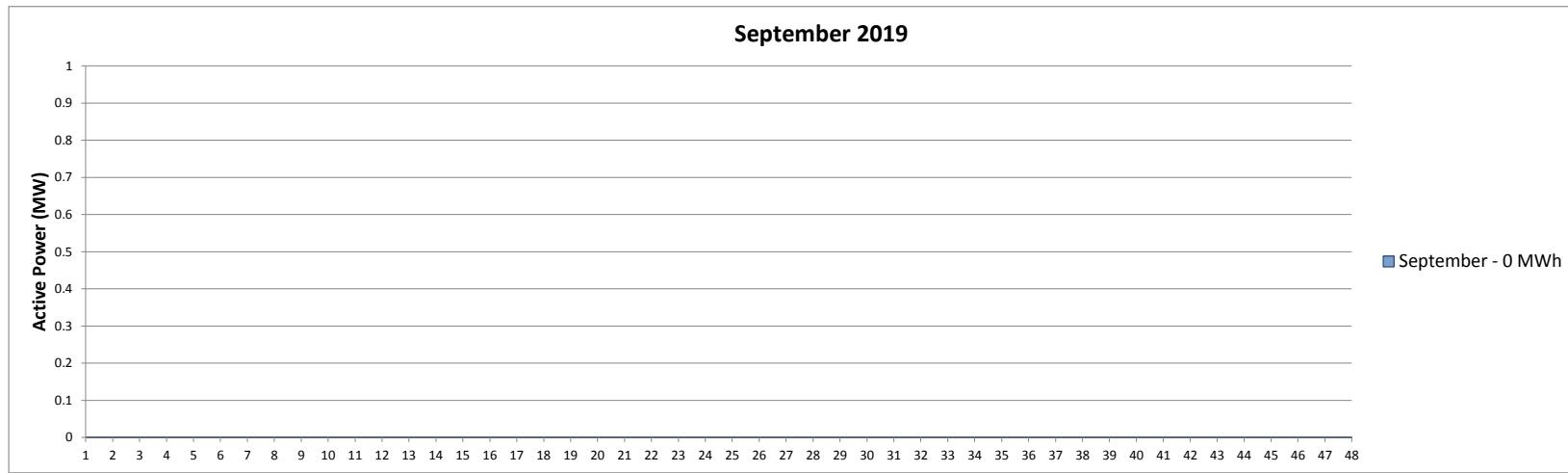


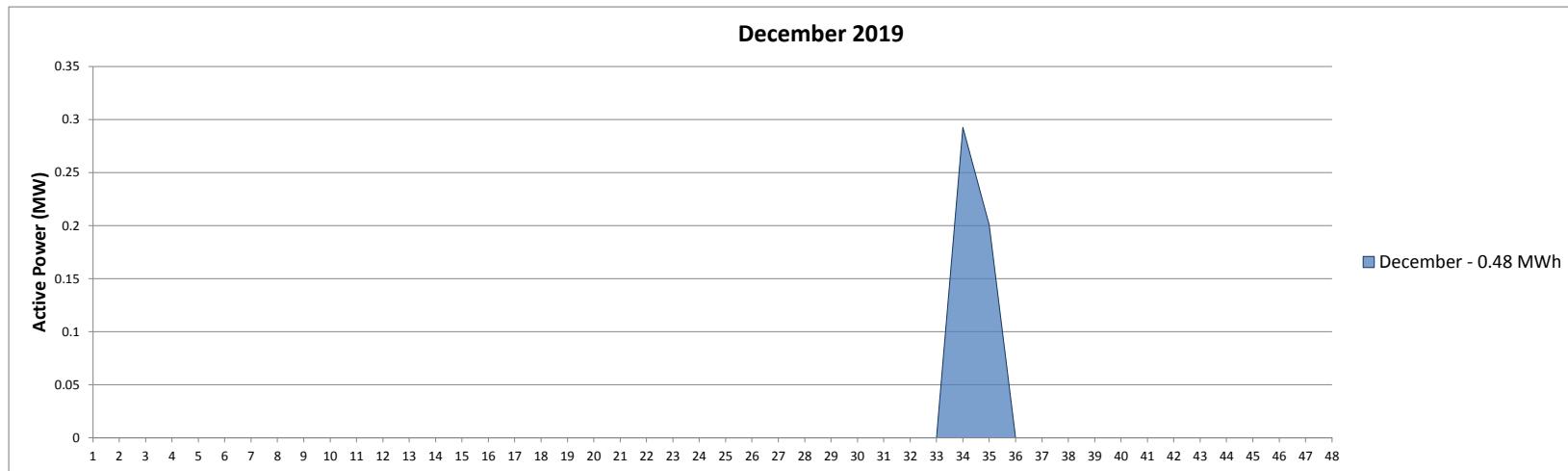
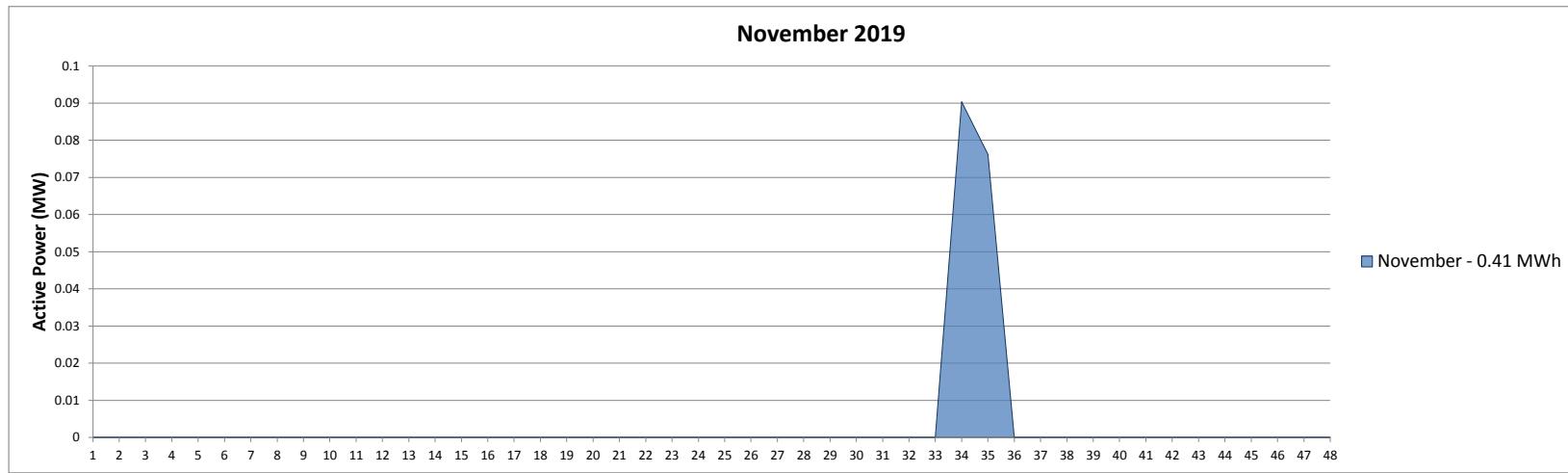


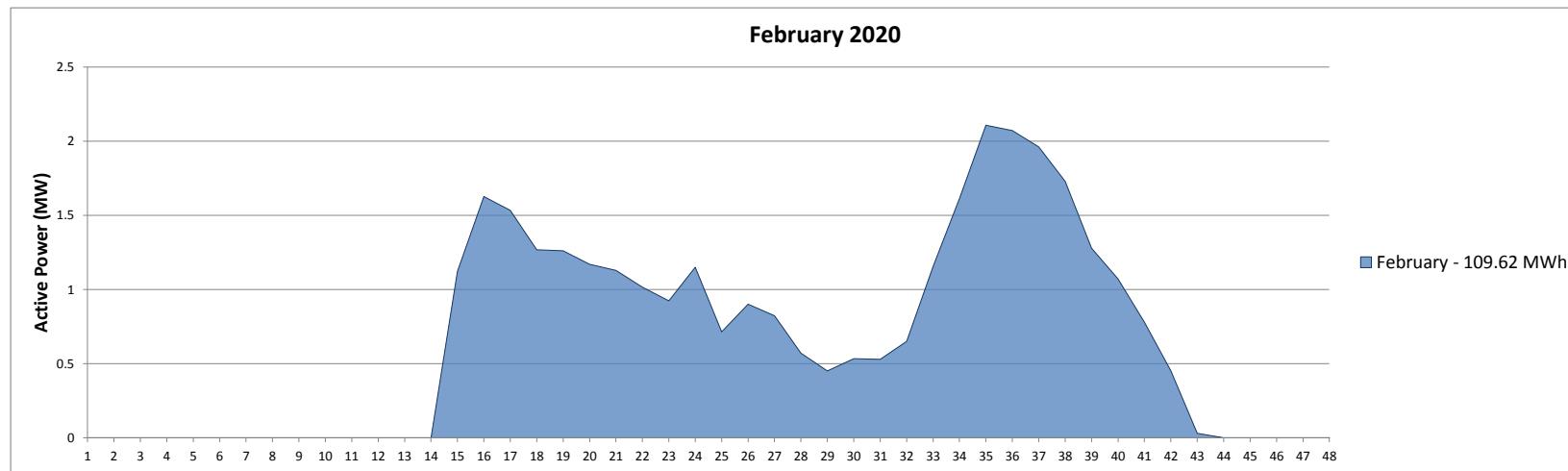
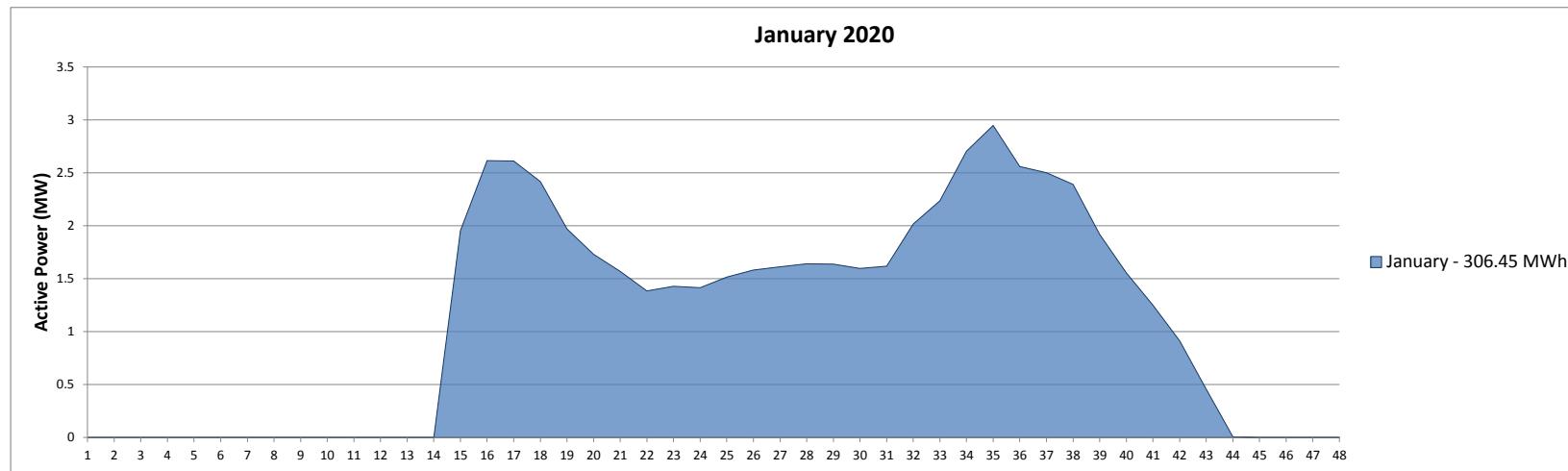
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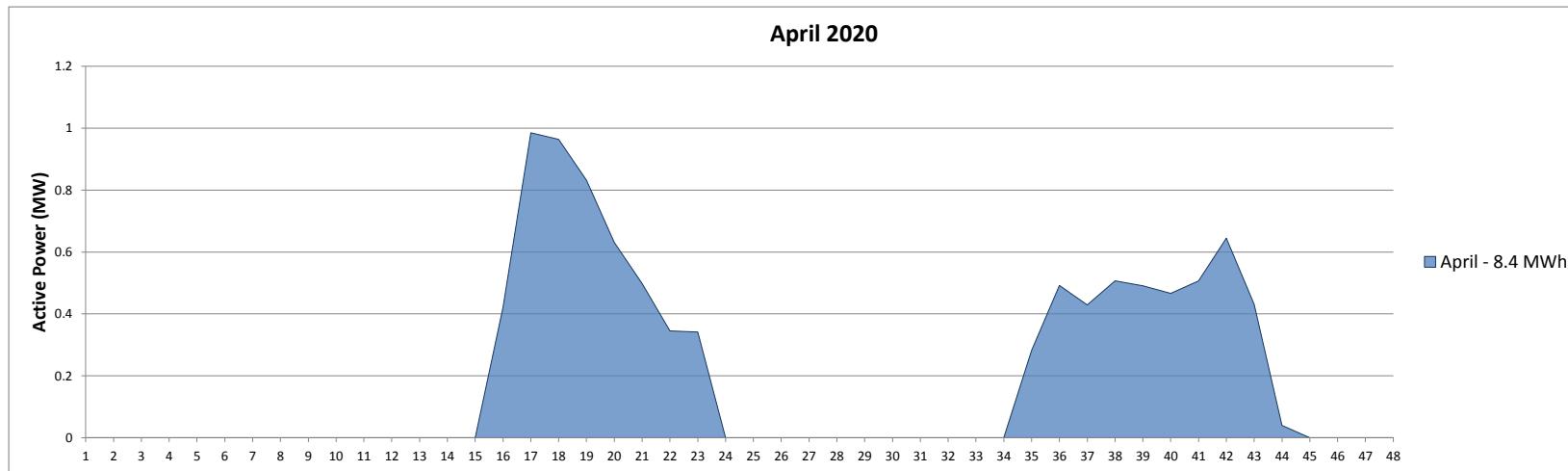
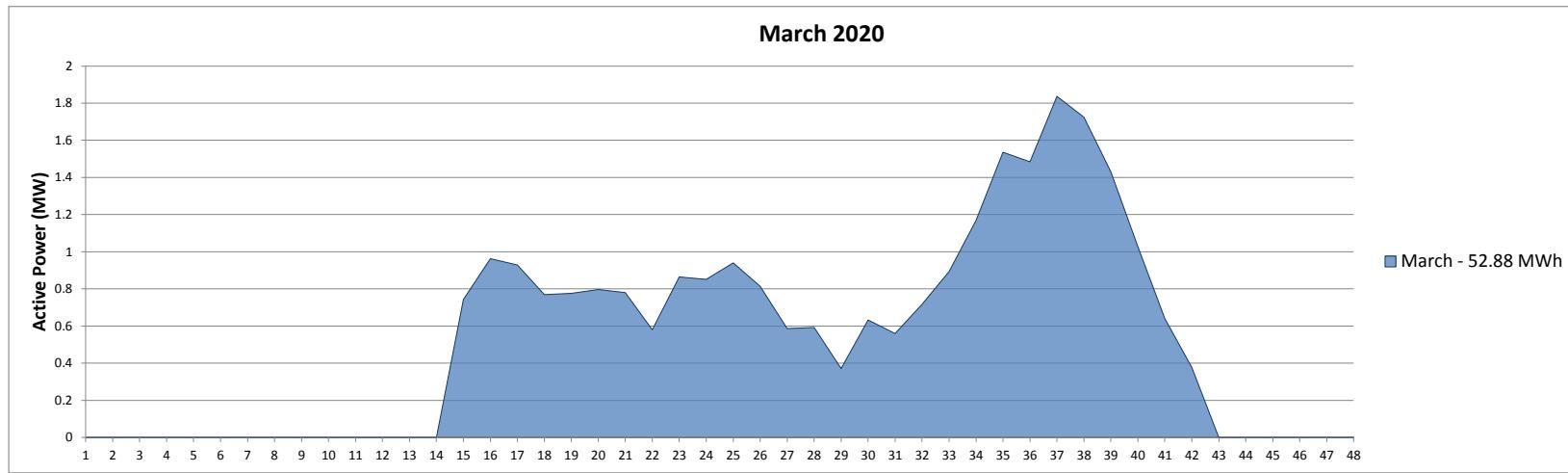


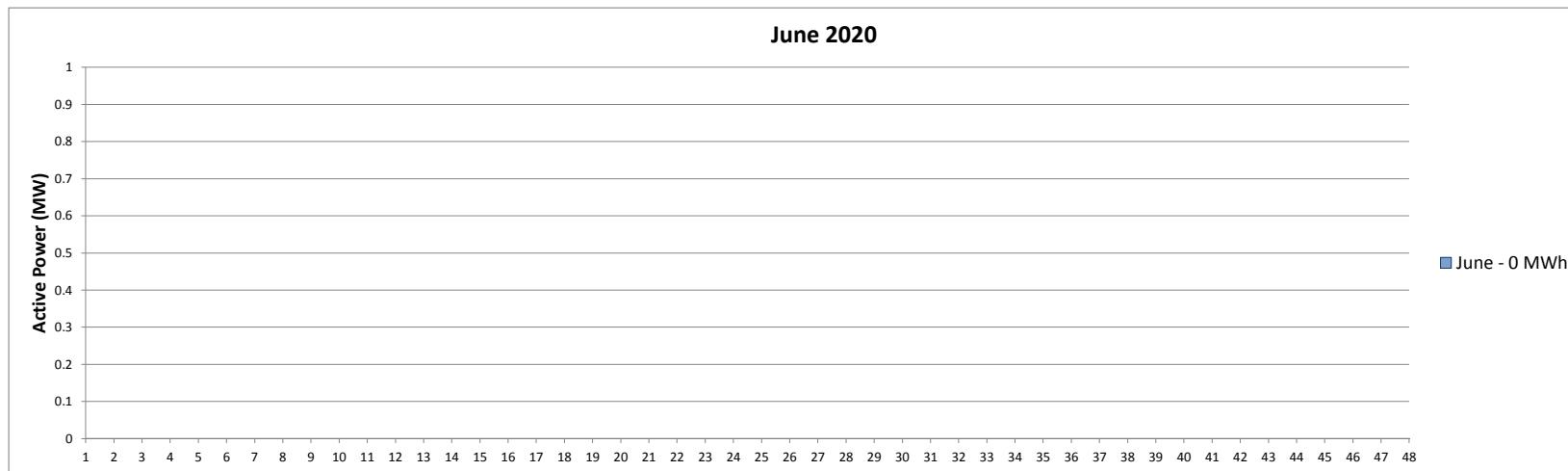
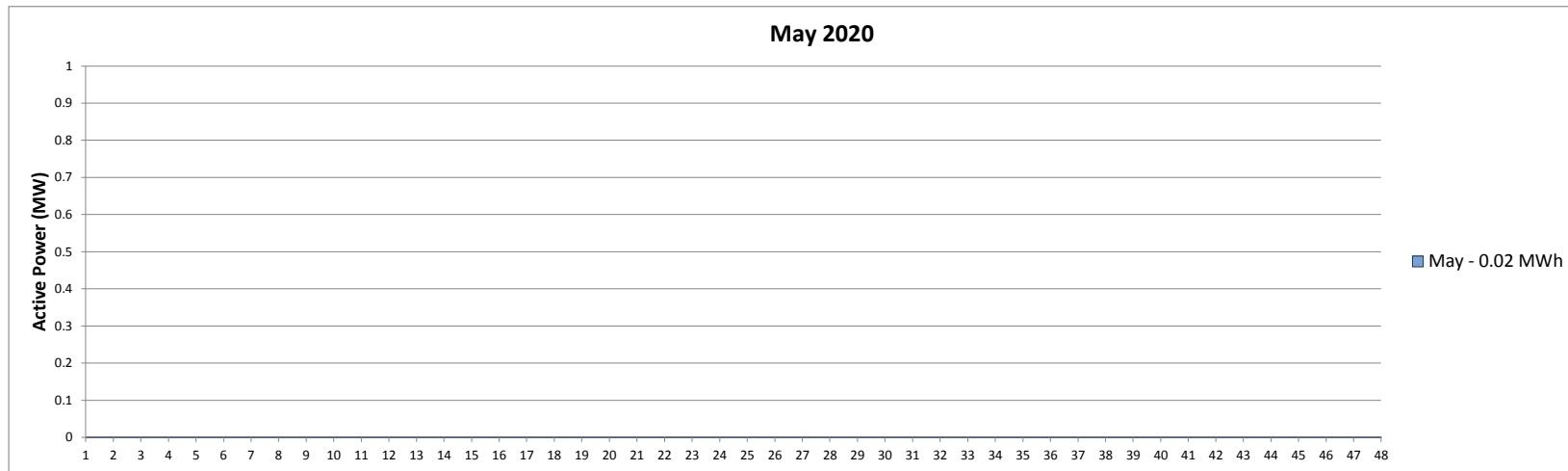
Products	Season	MW Peak
Dynamic	Winter	2.7

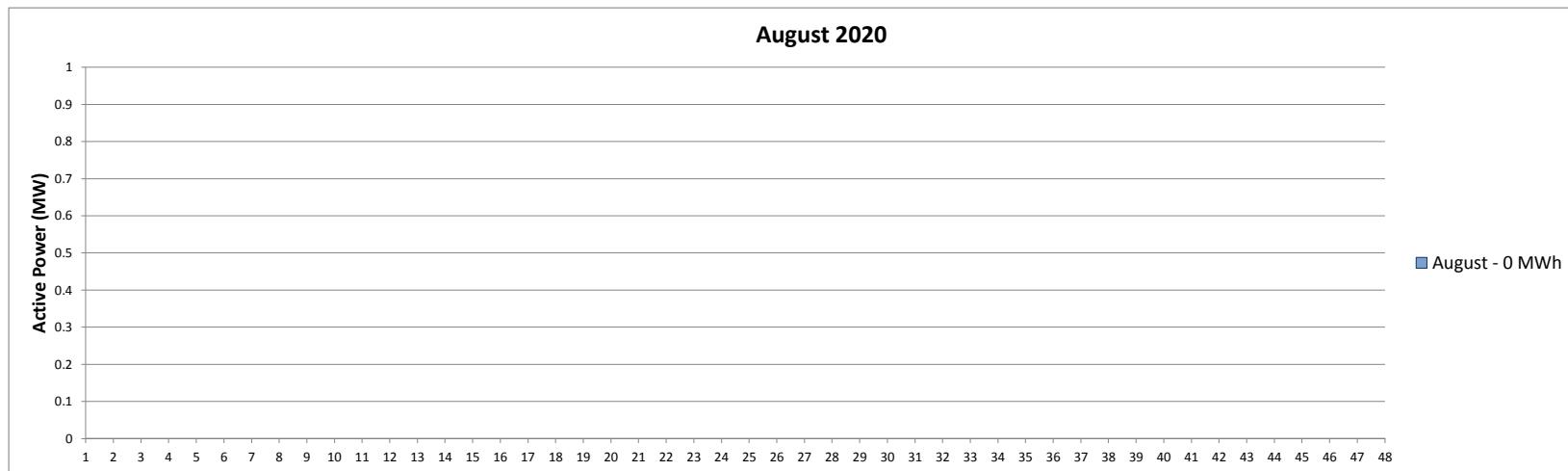
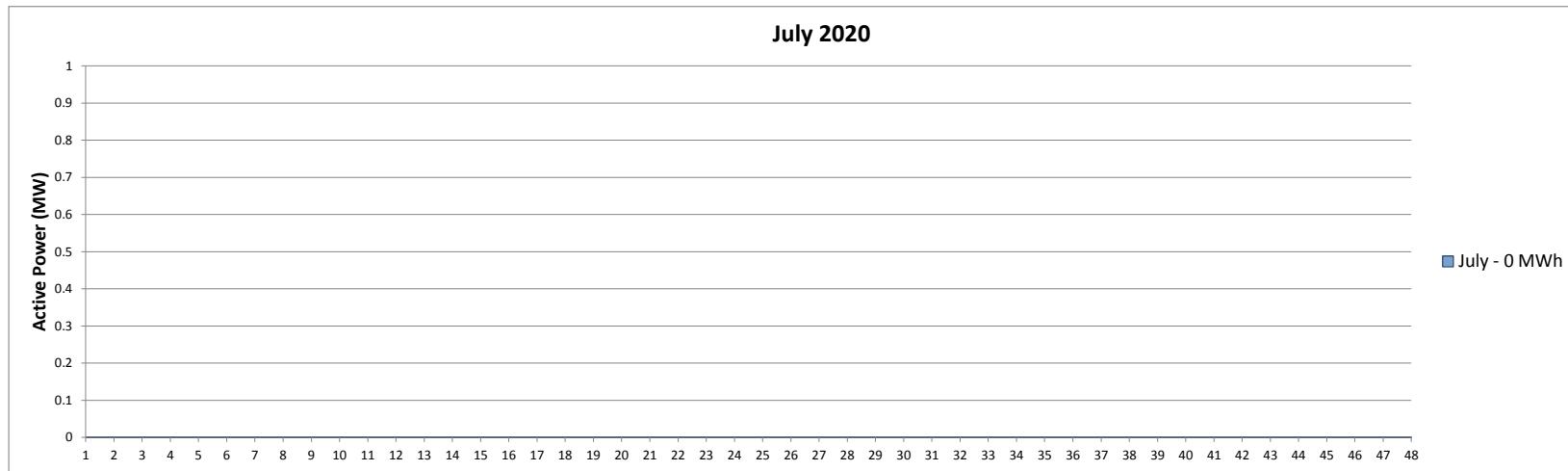


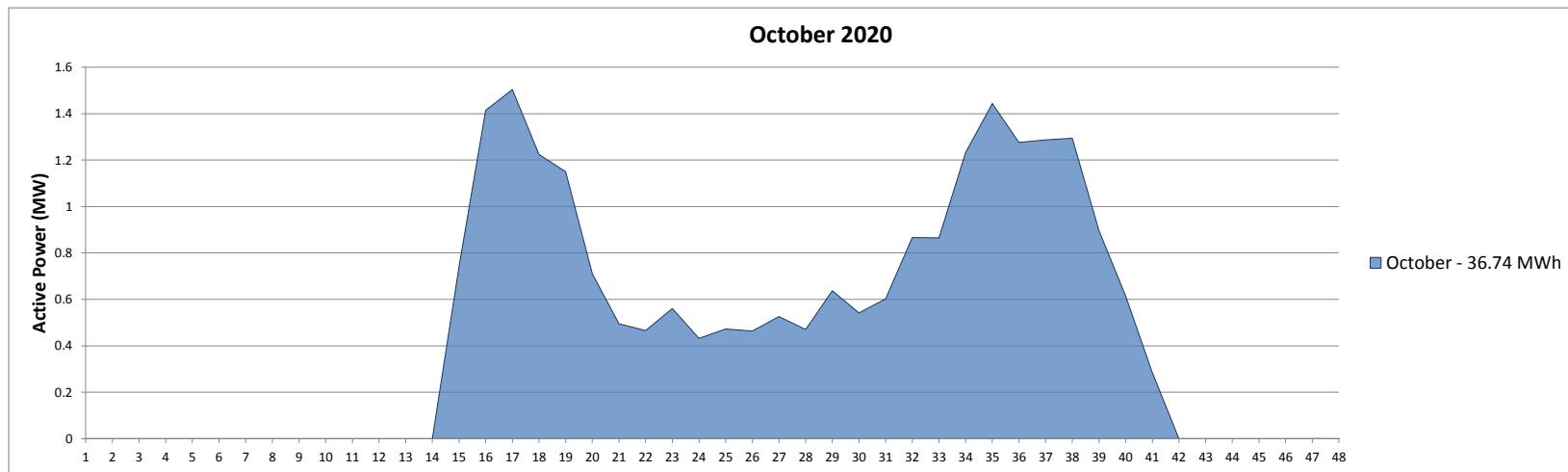
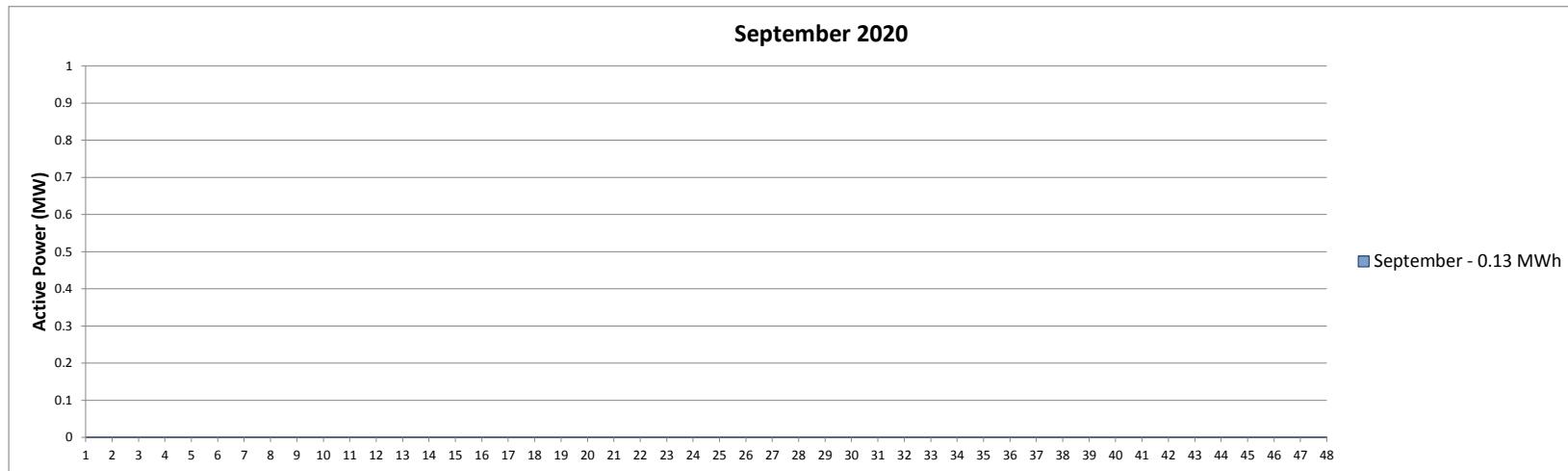




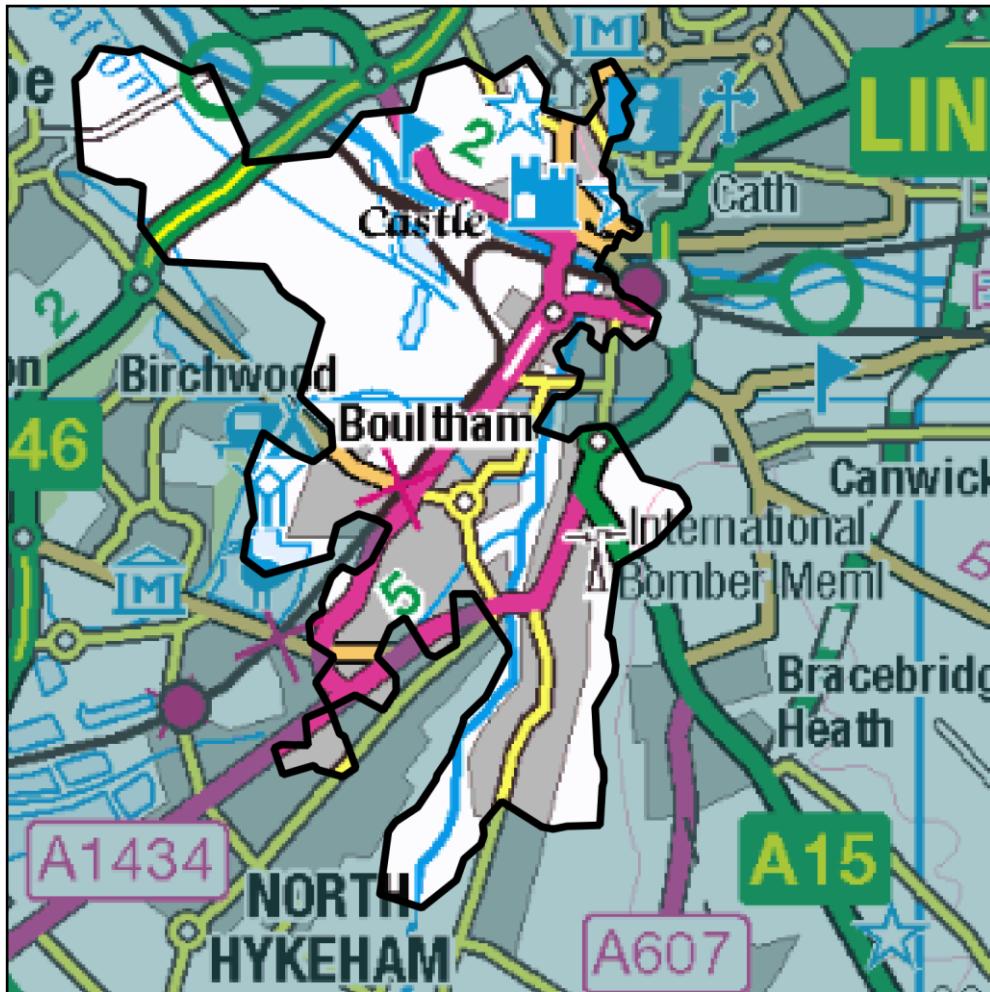




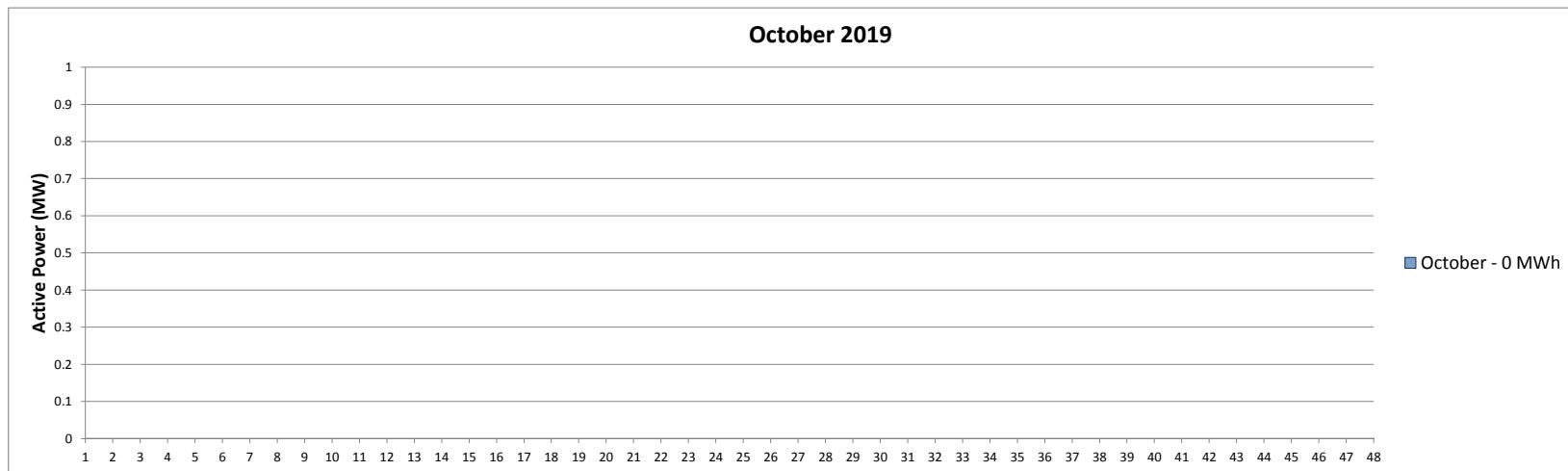
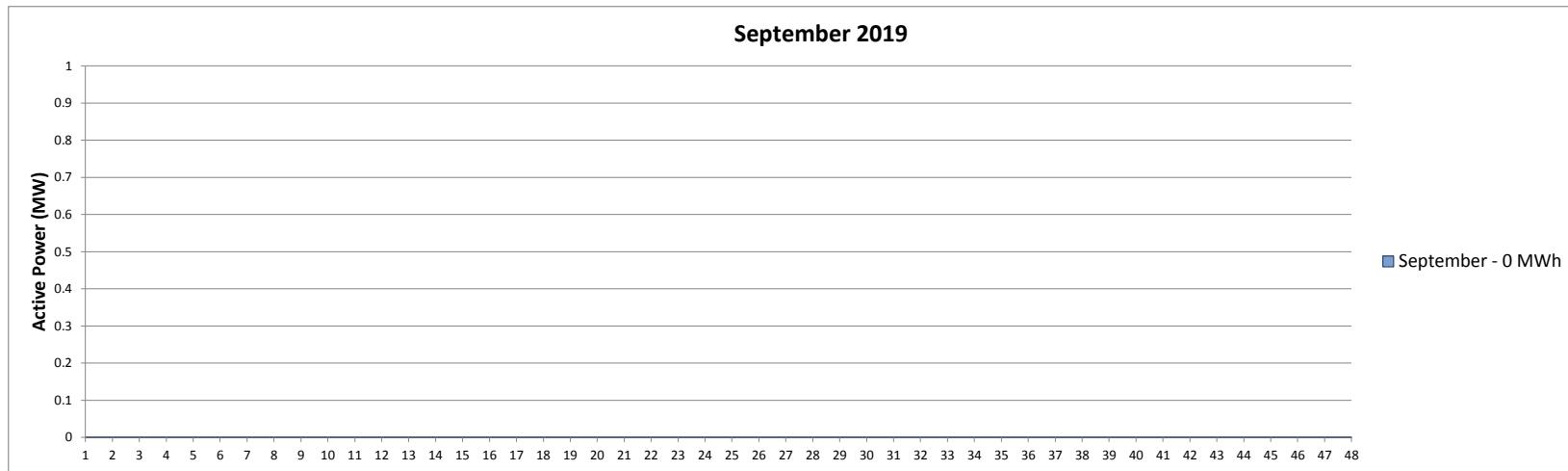


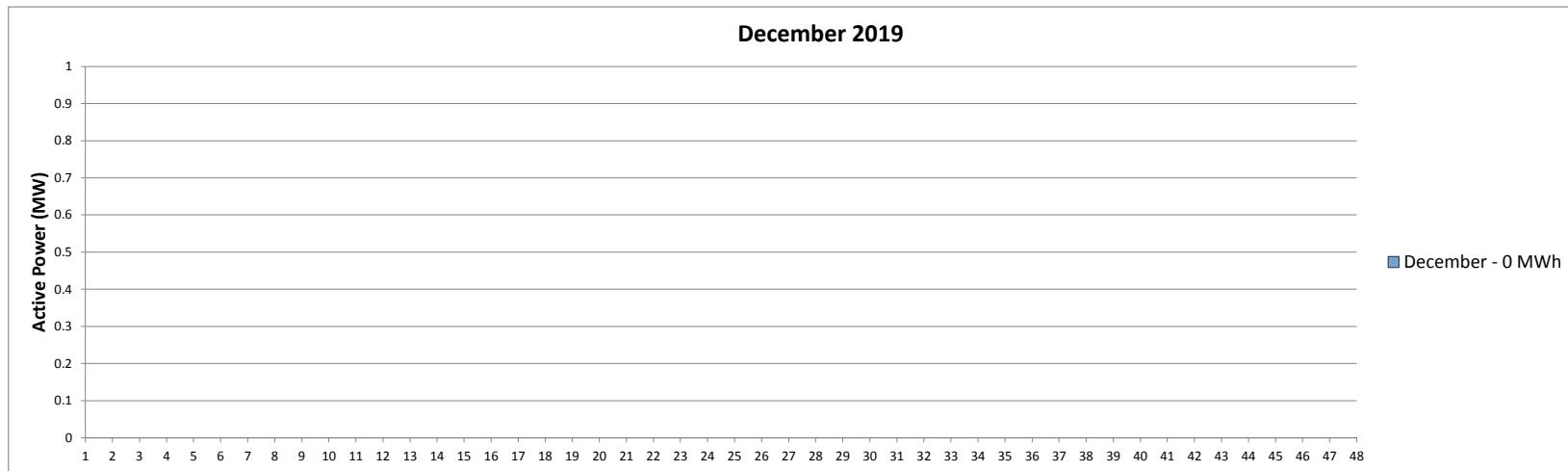
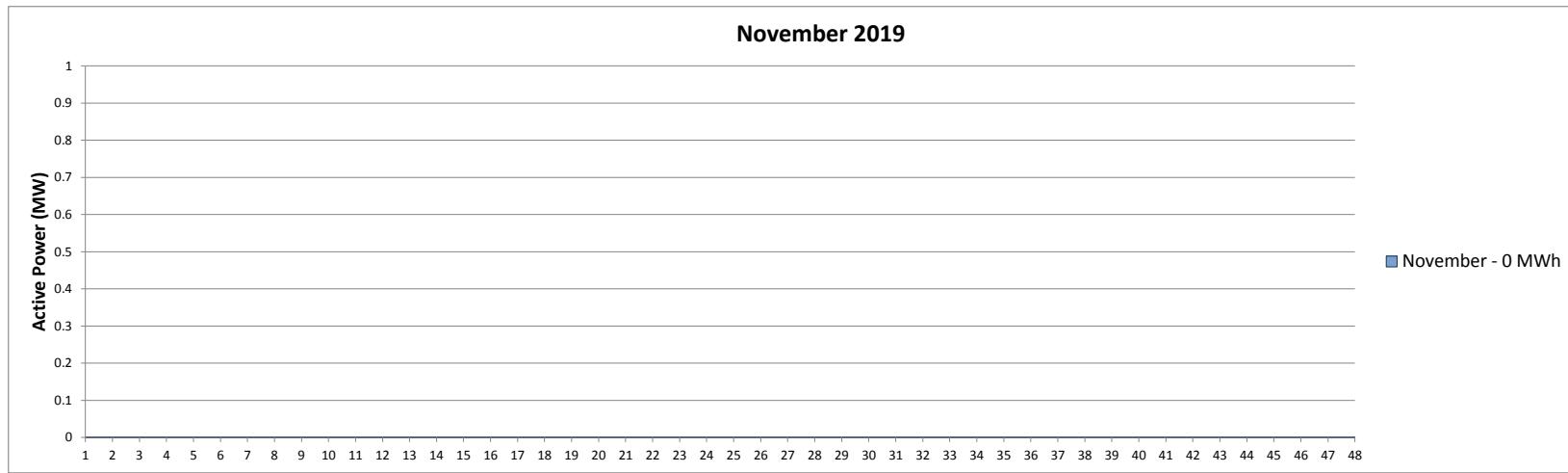


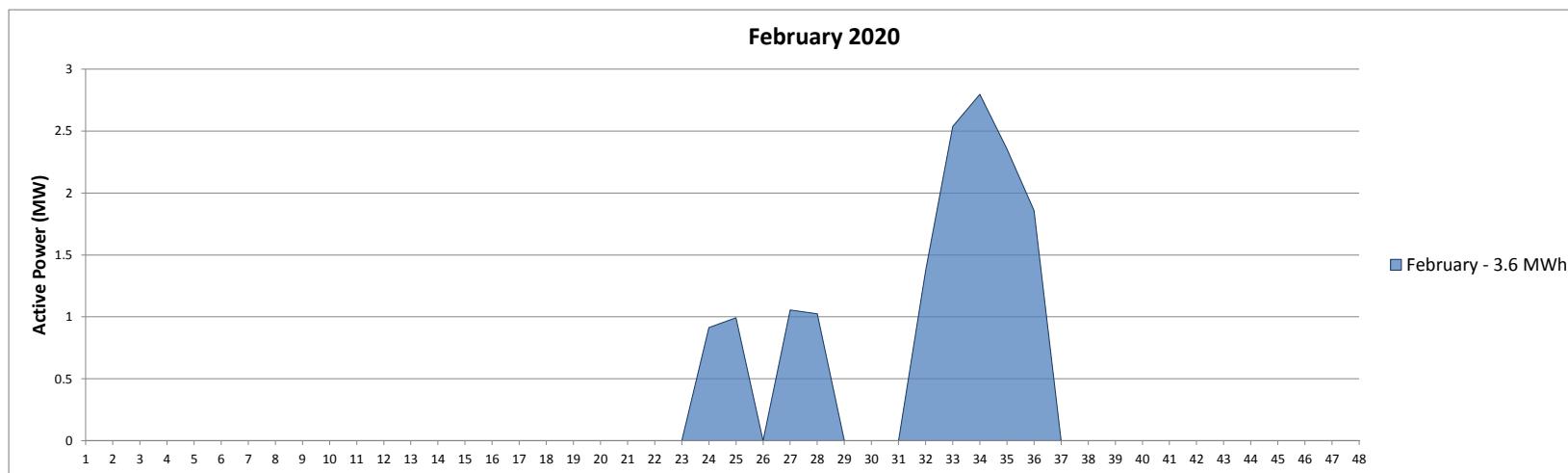
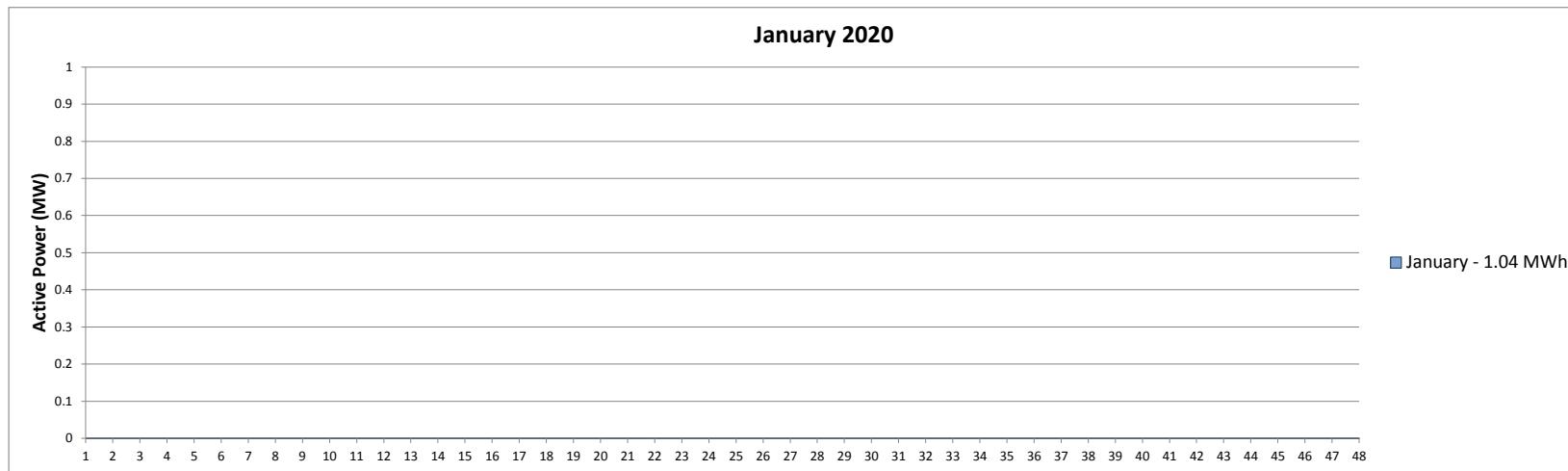
Flexibility Analysis Report for CMZ_T3_EM_0005 - Lincoln - Beevor Street

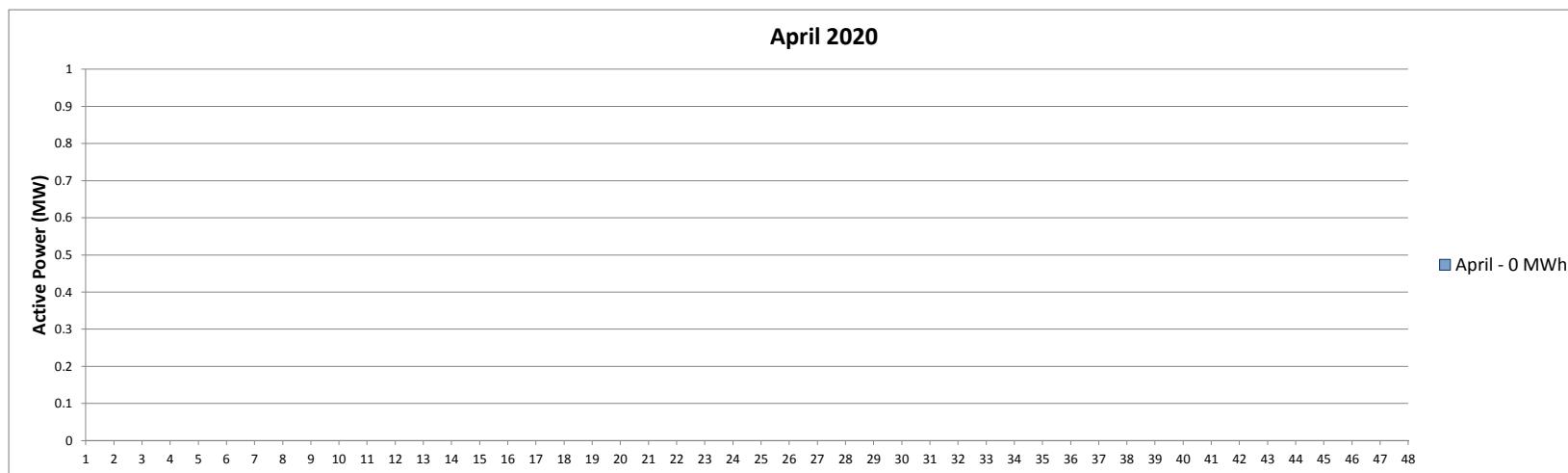
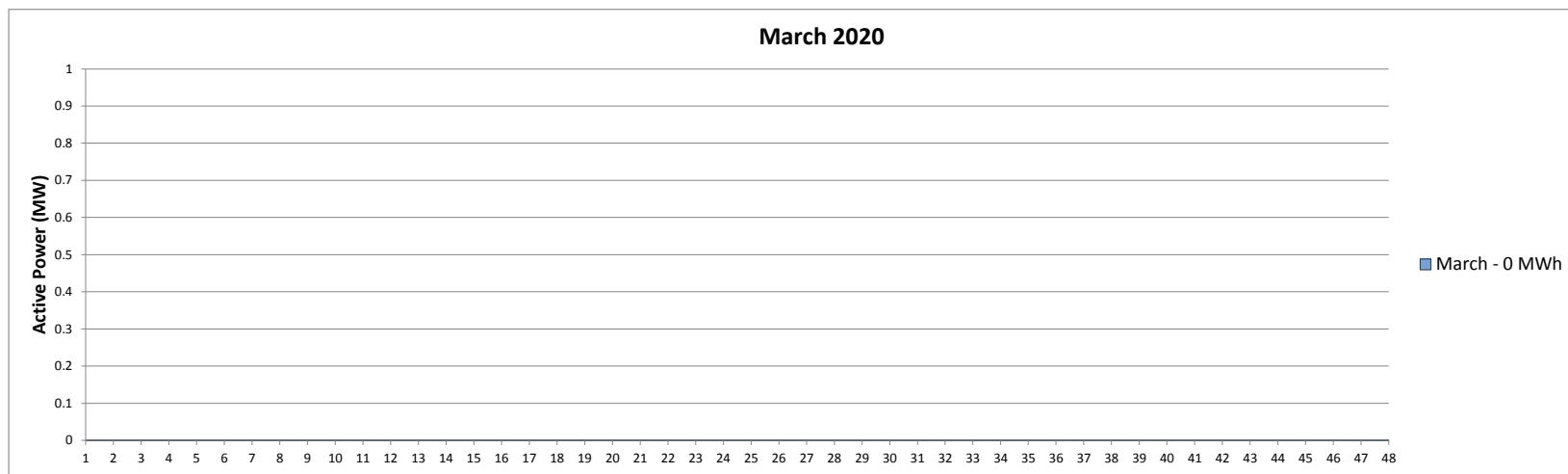


Products	Season	MW Peak
Dynamic	Winter	2.6

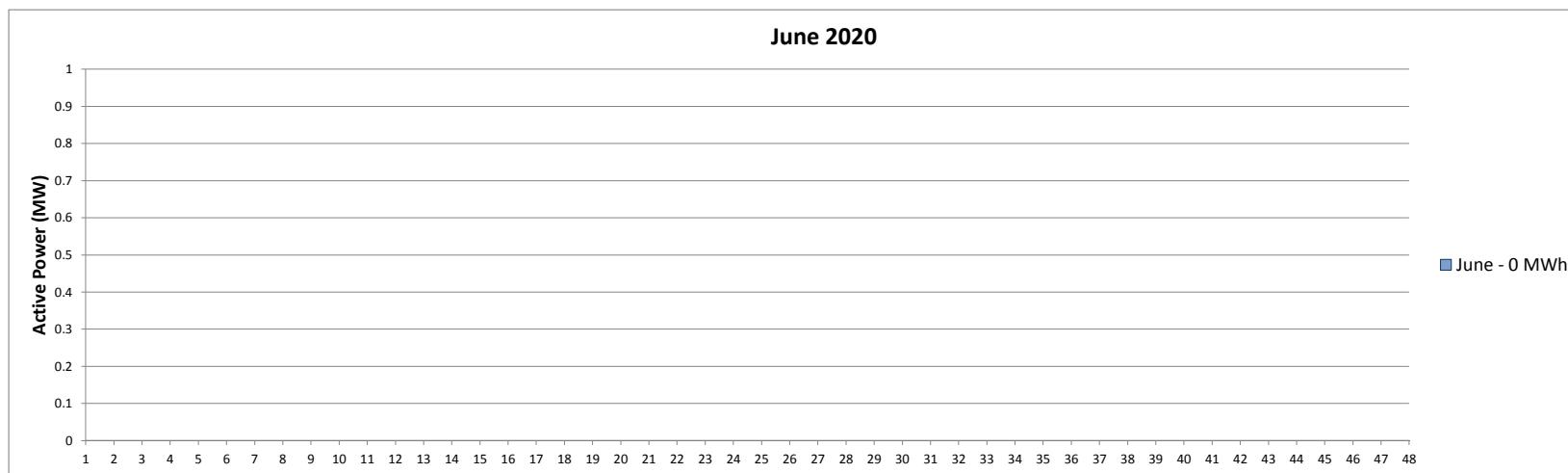
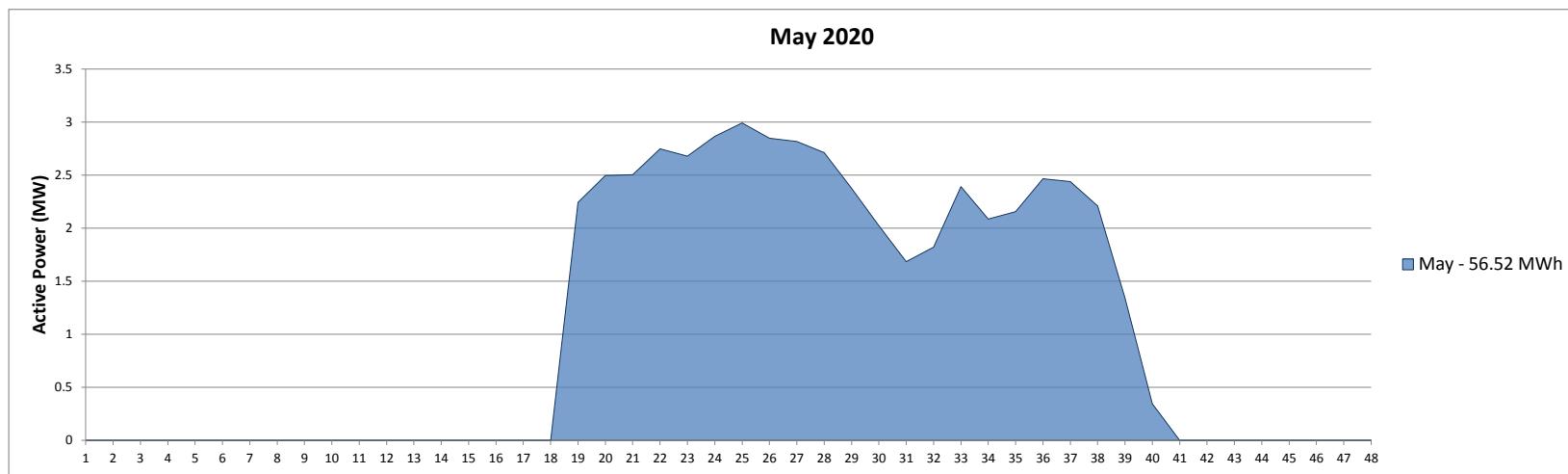


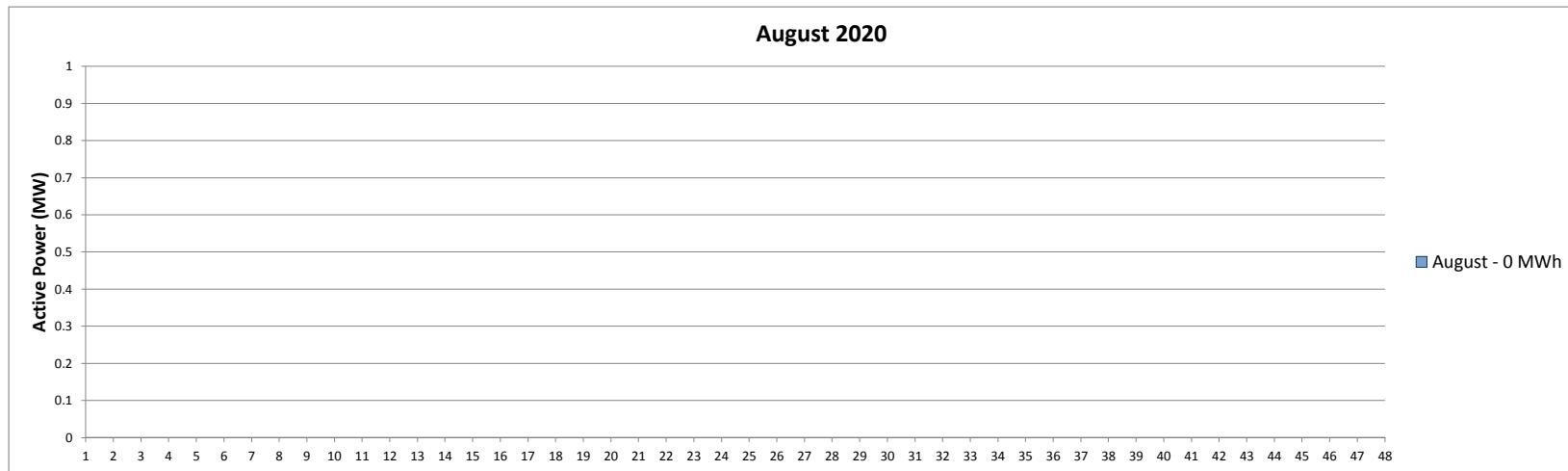
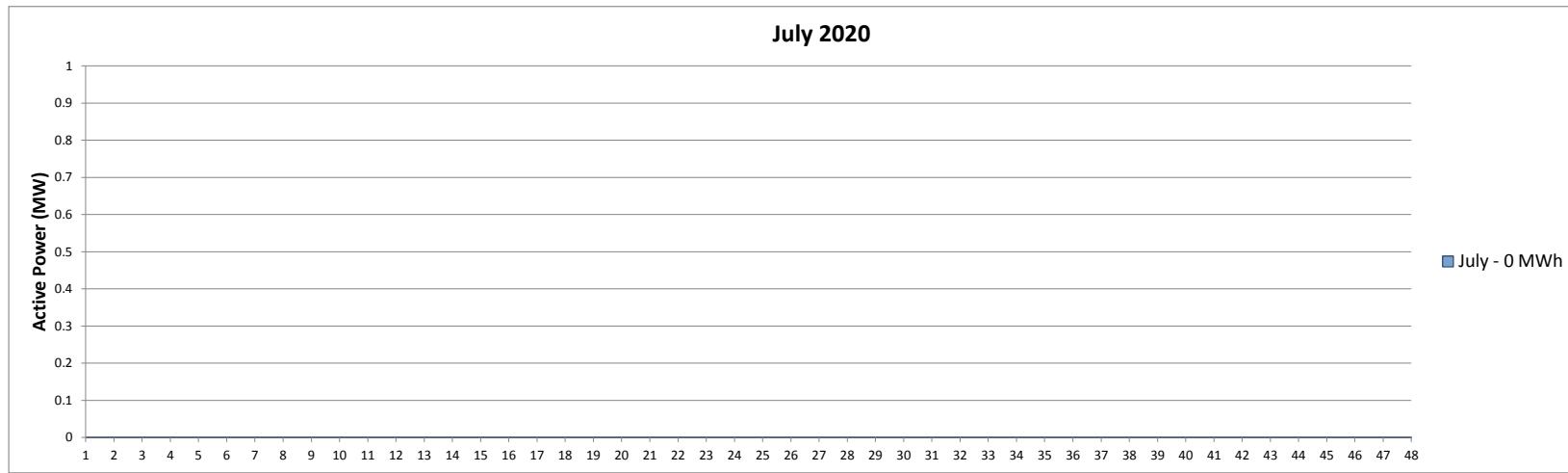


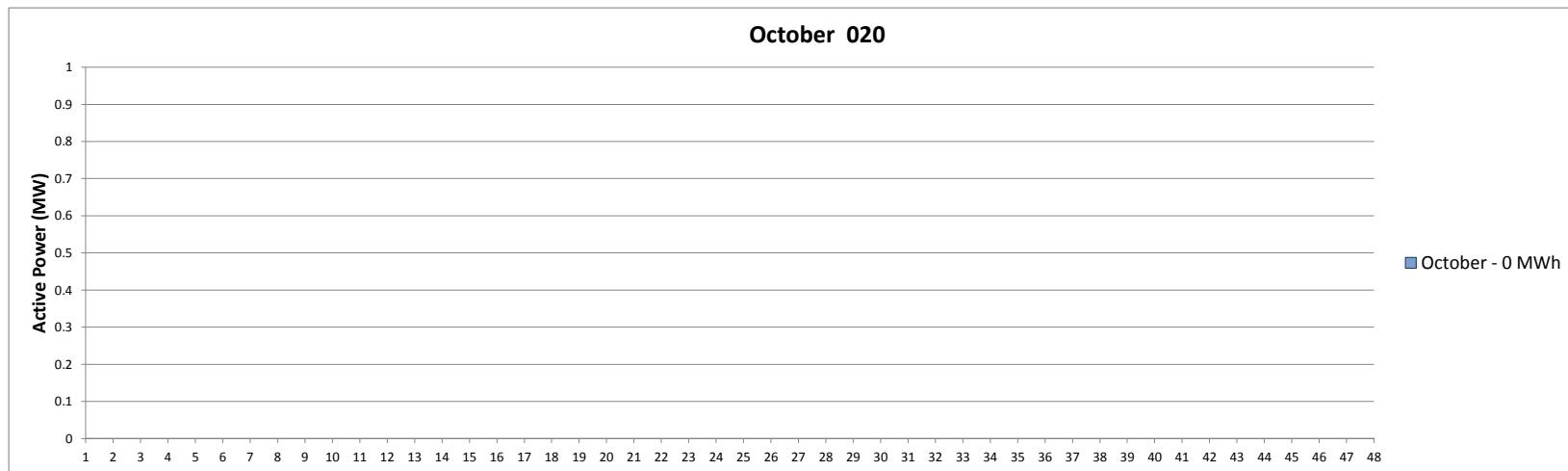
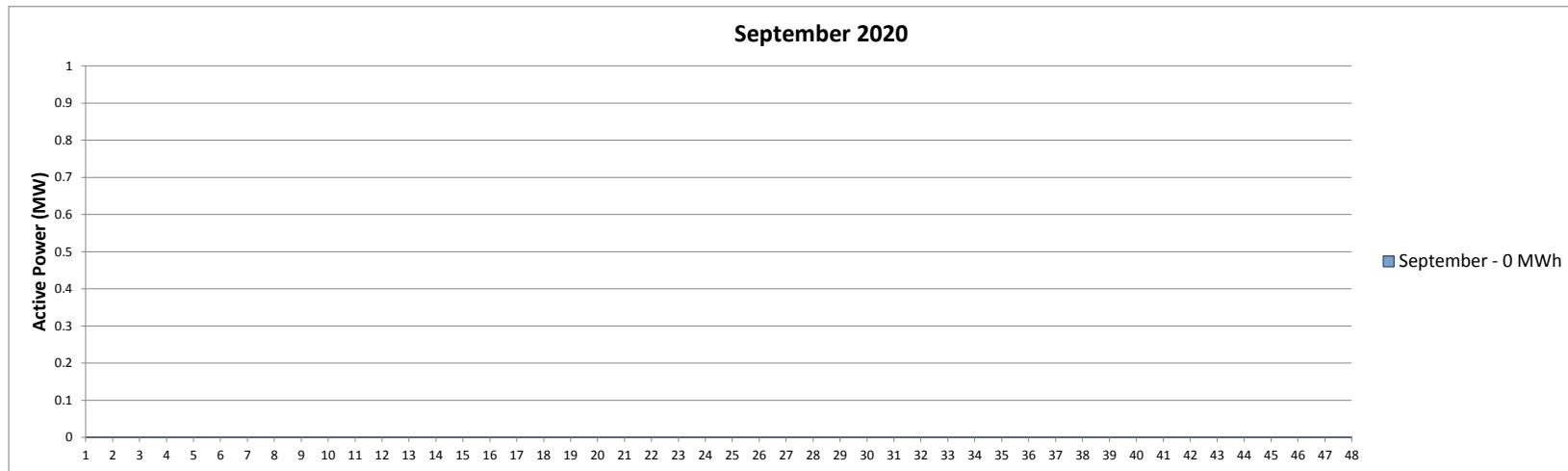




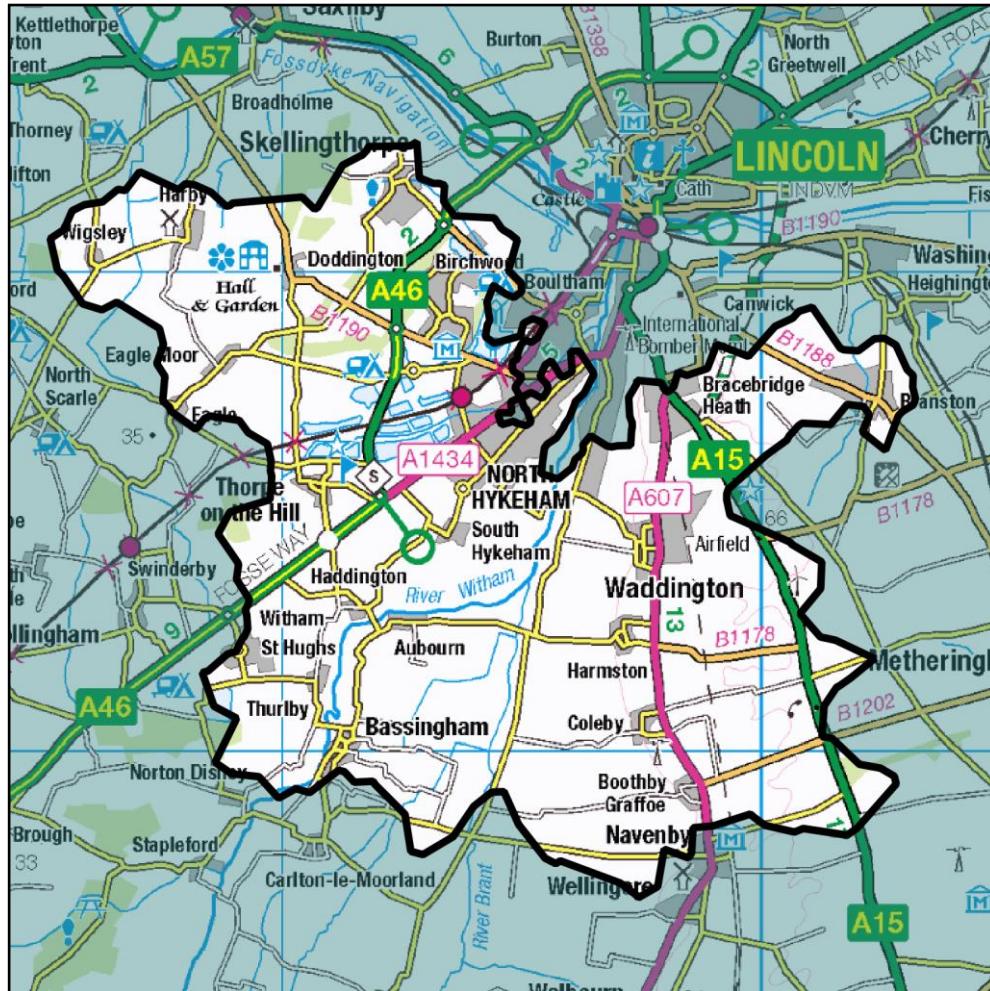
Lincoln - Beevor Street



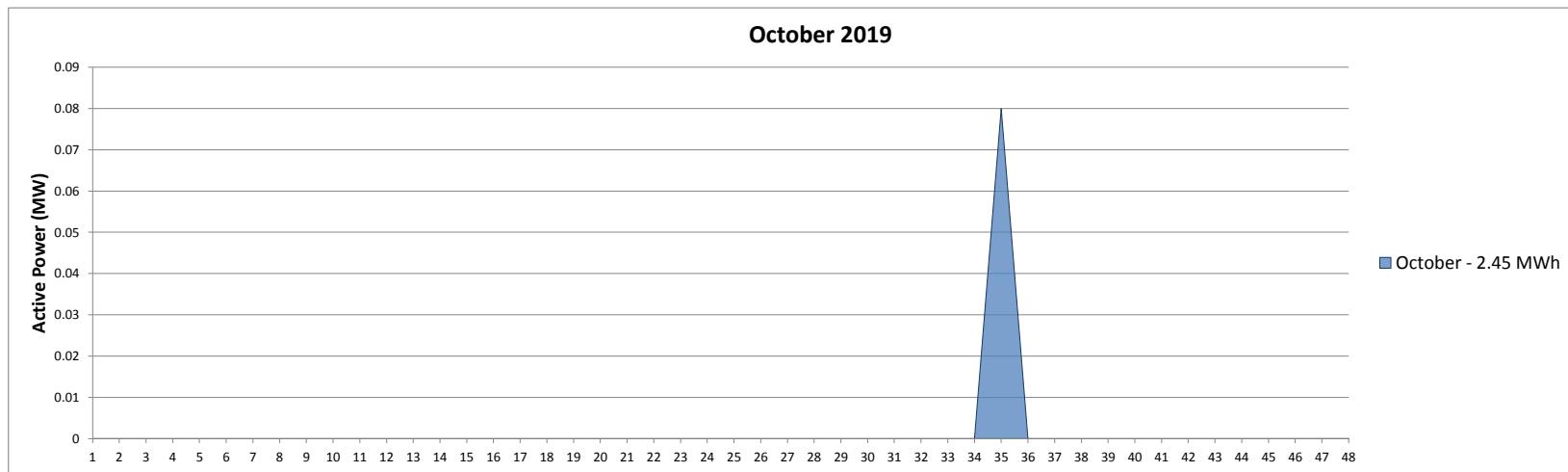
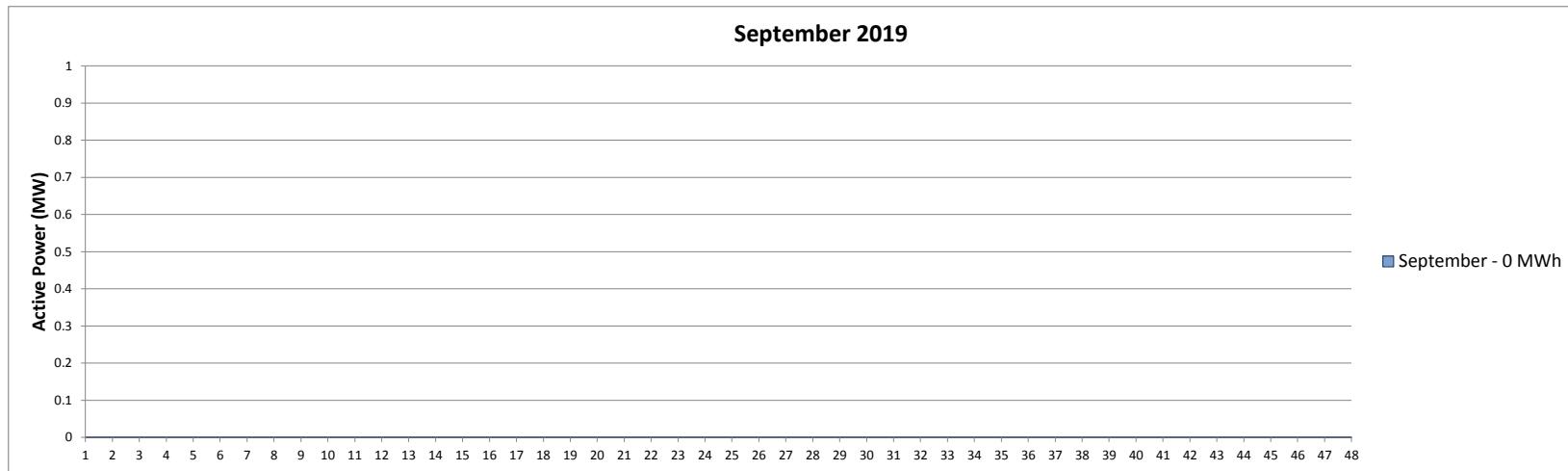


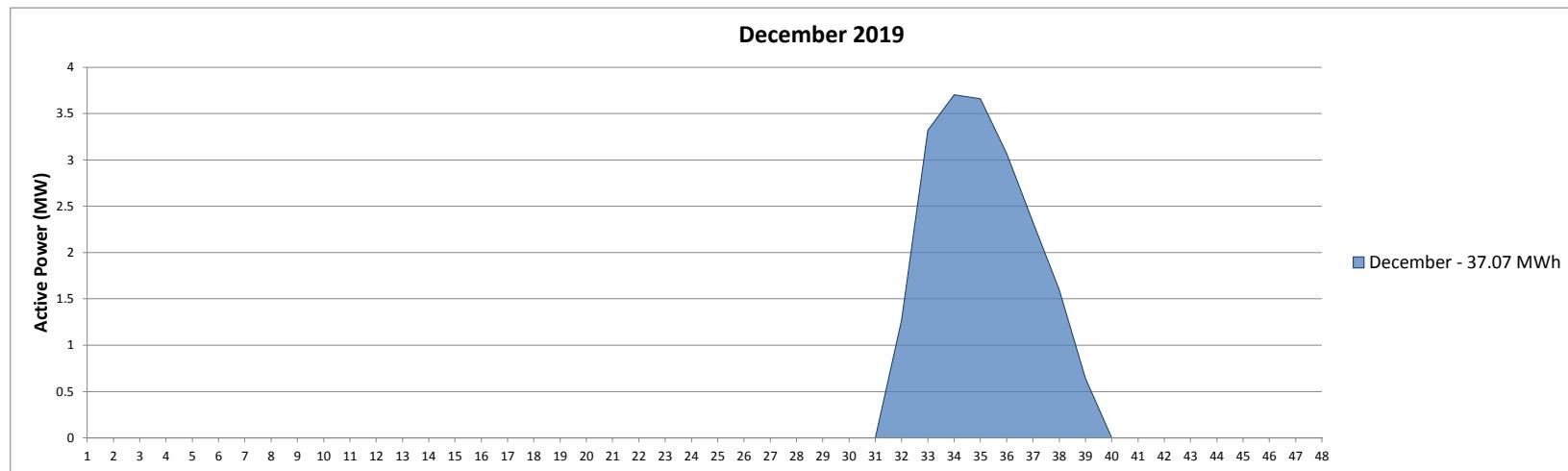
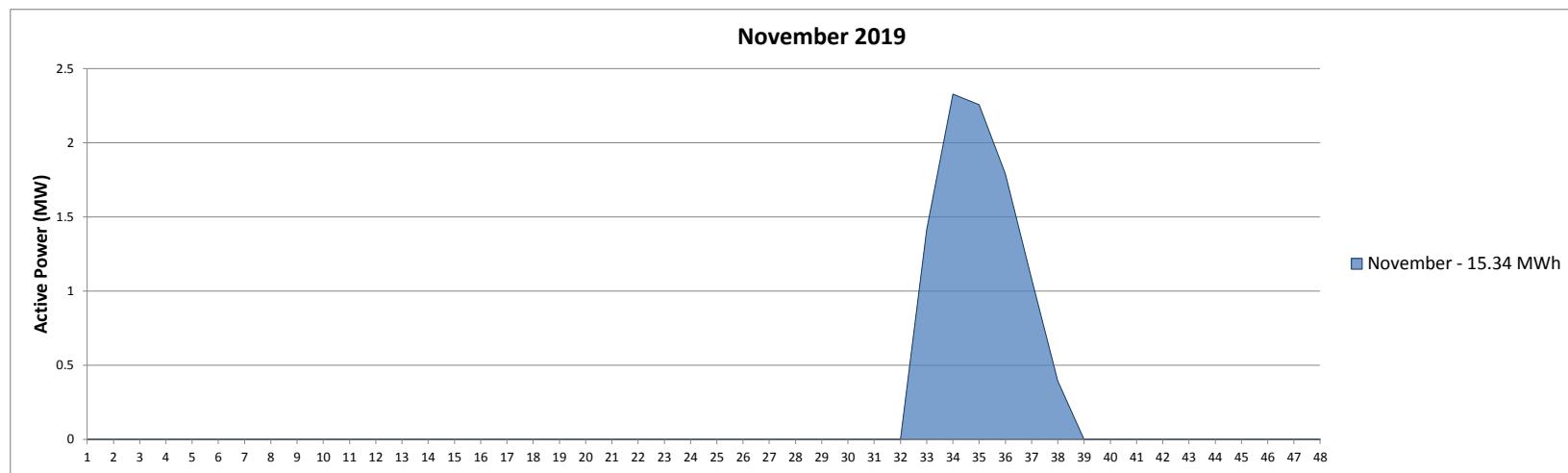


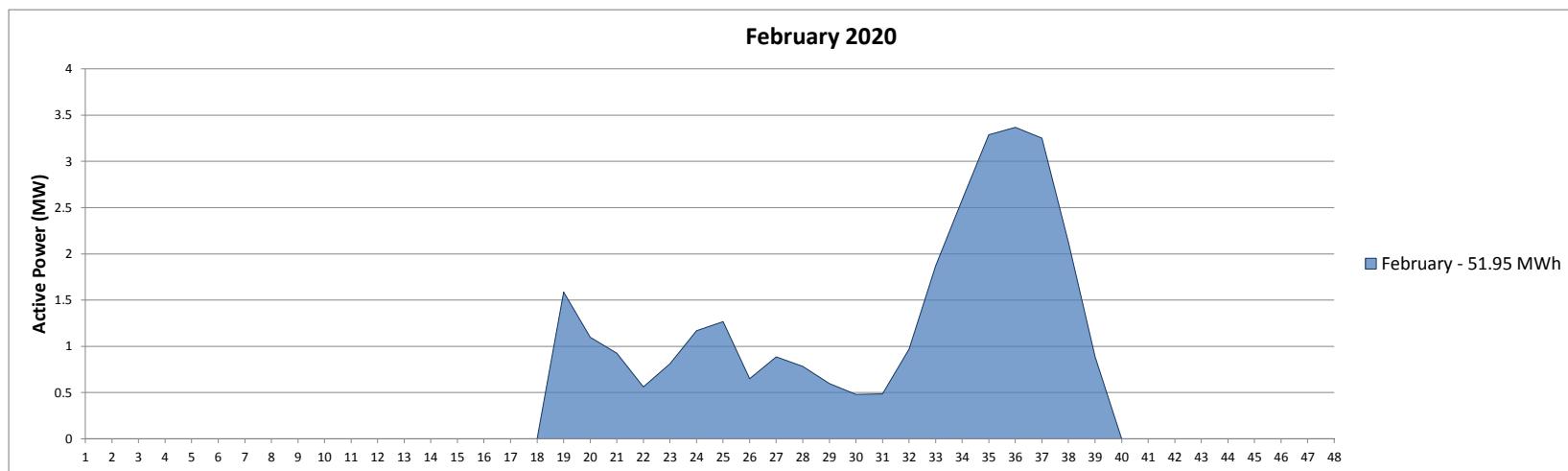
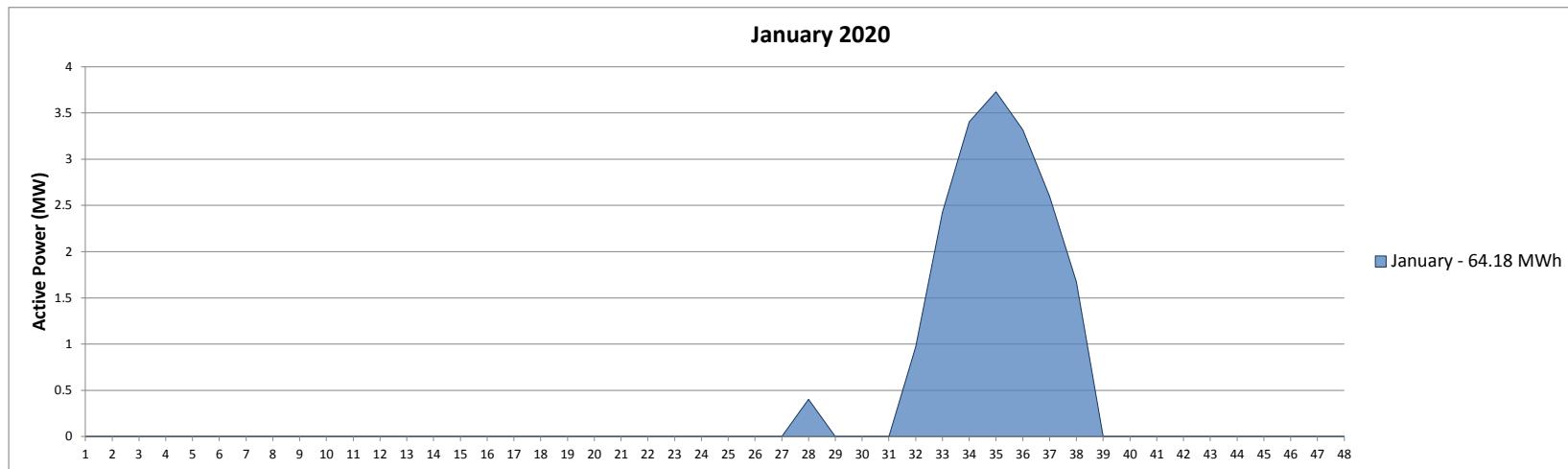
Flexibility Analysis Report for CMZ_T3_EM_0004 - Lincoln - North Hykeham

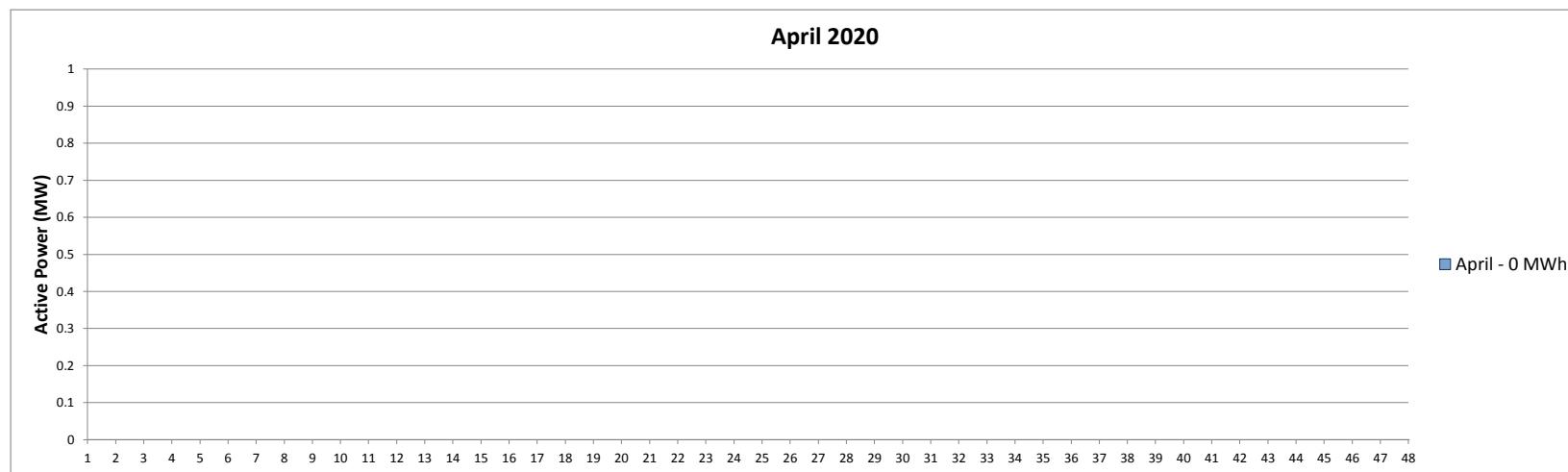
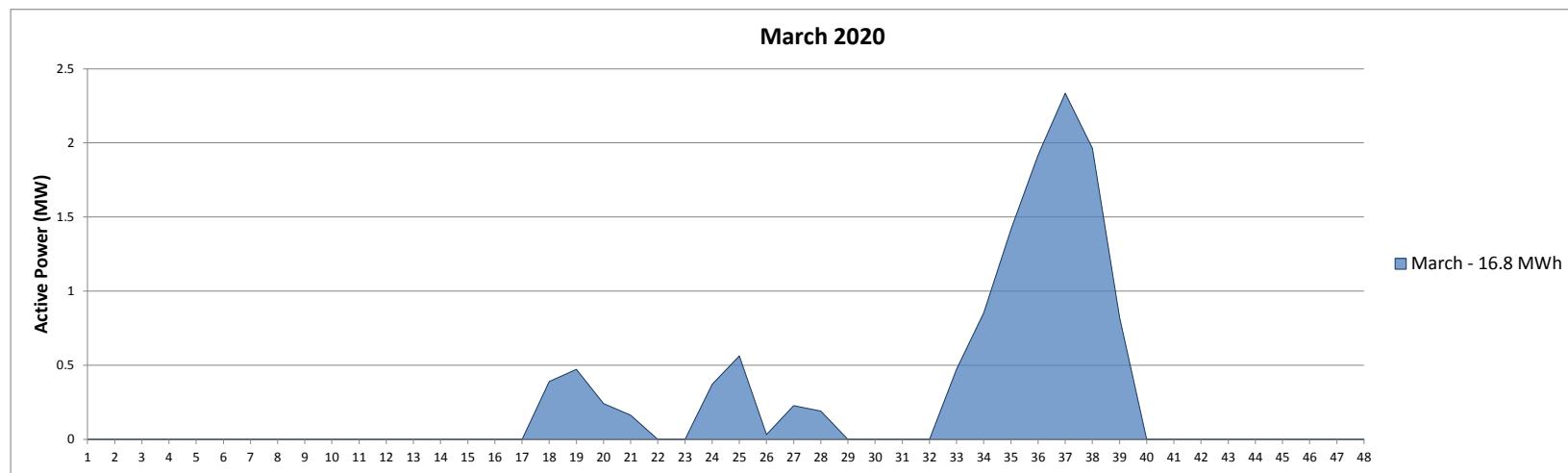


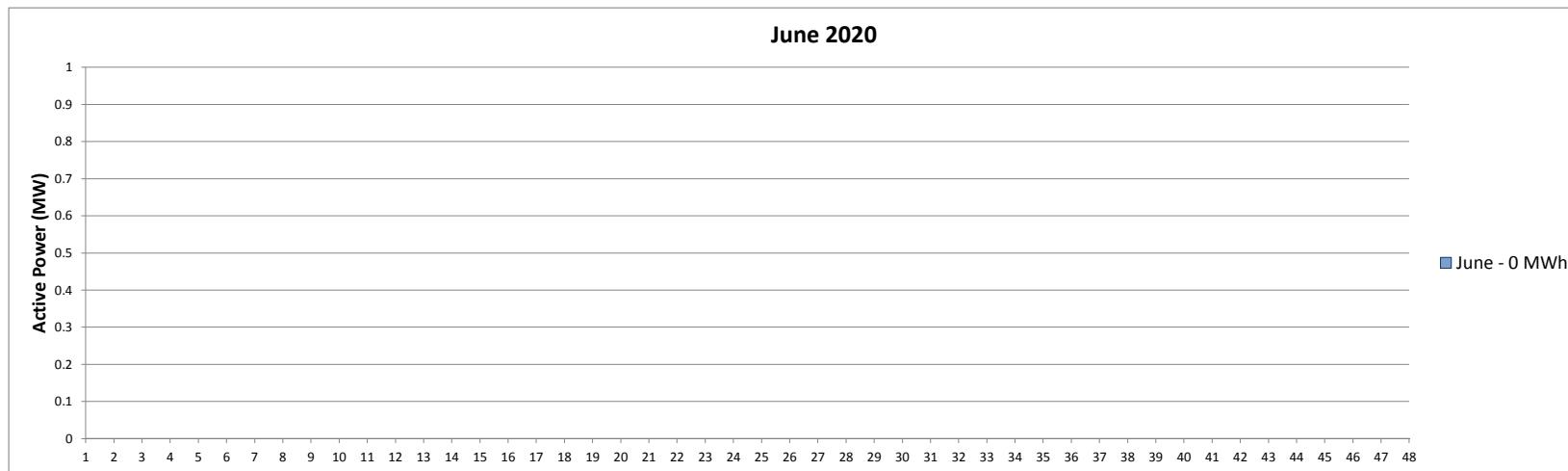
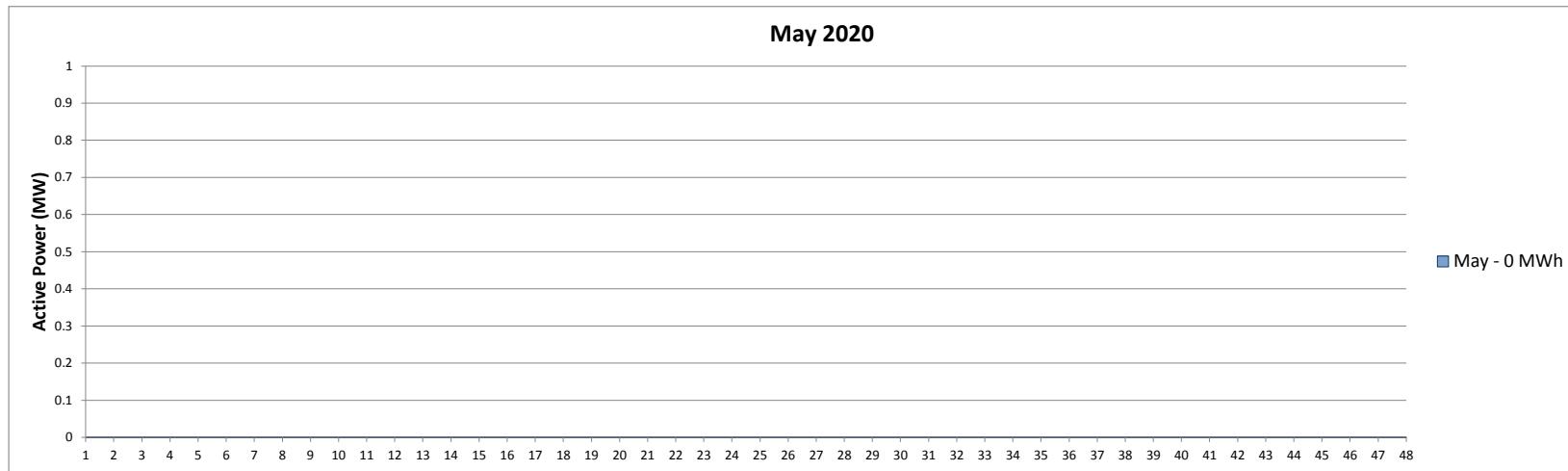
Products	Season	MW Peak
Dynamic	Winter	3.7

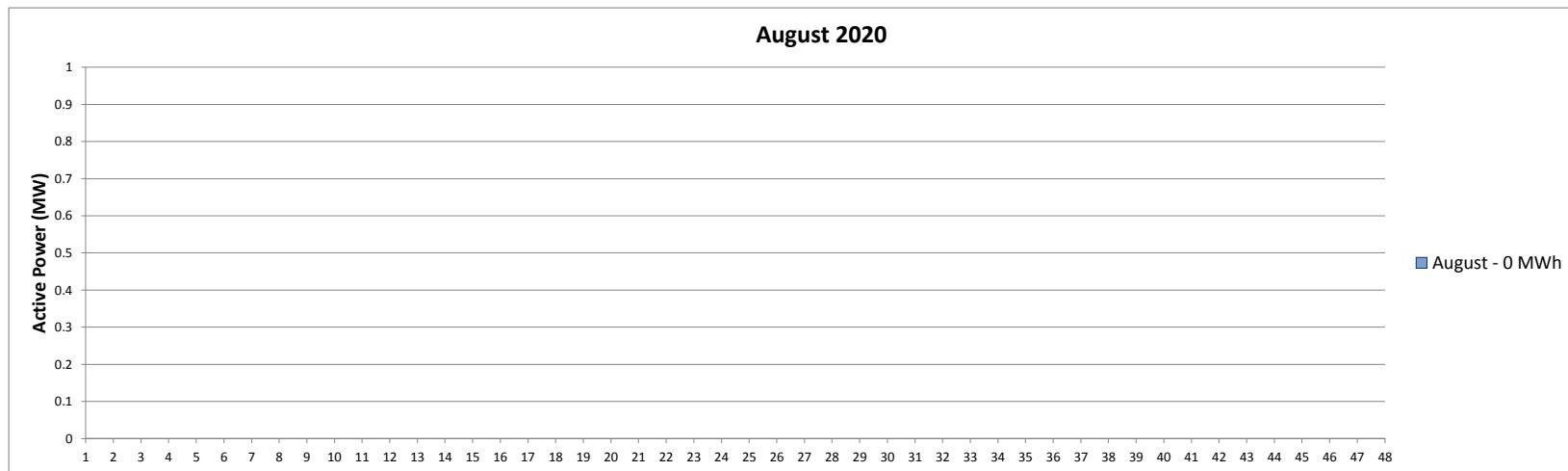
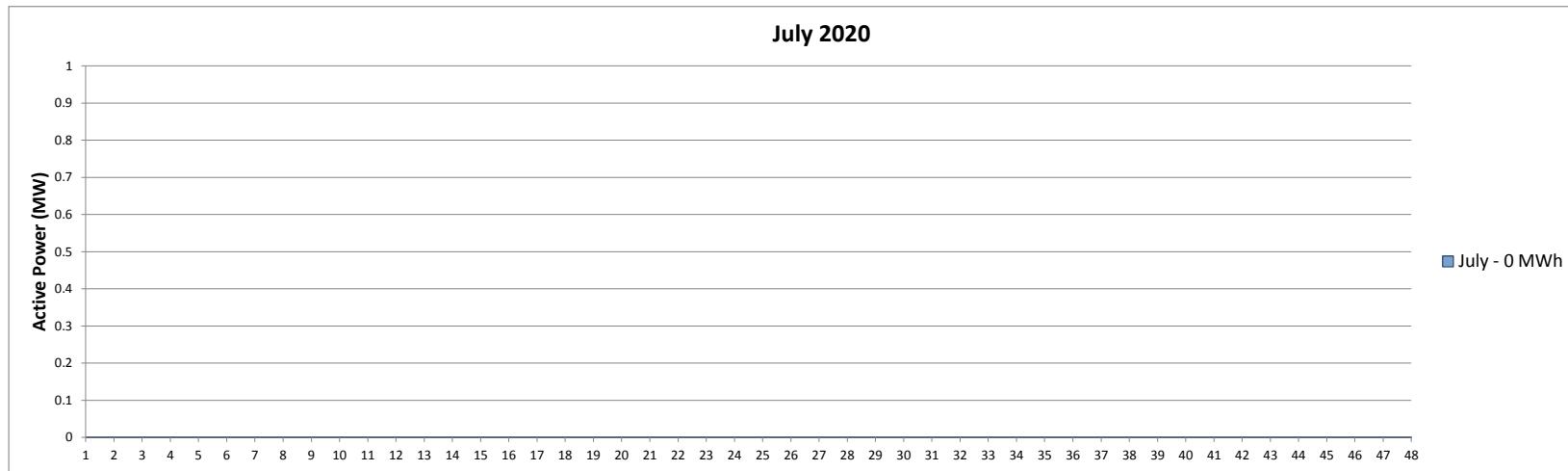


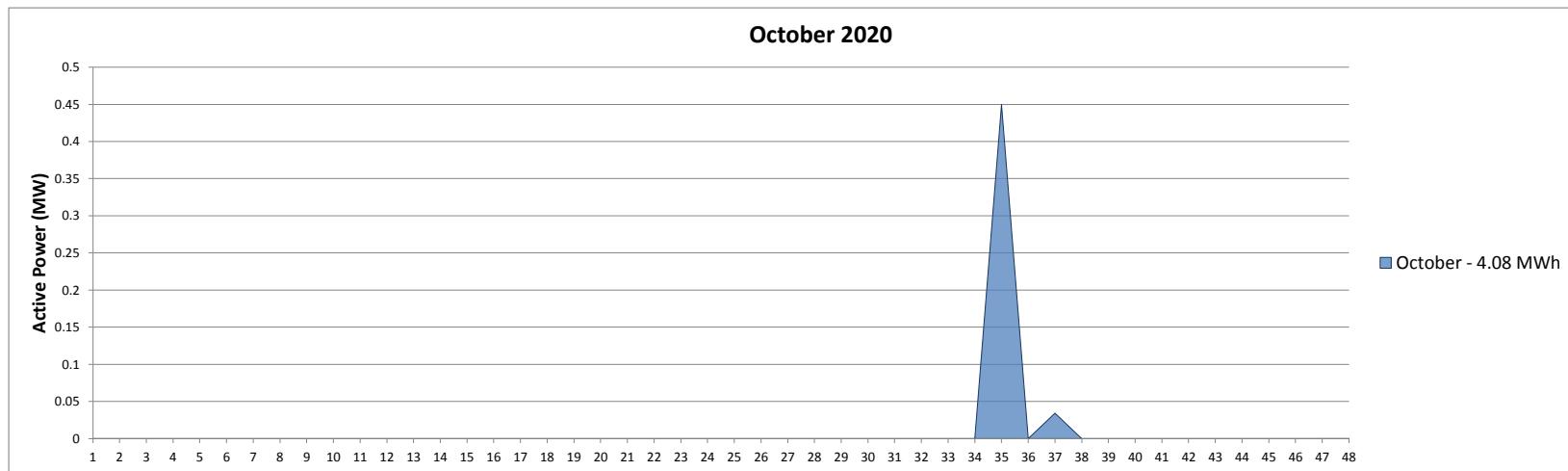
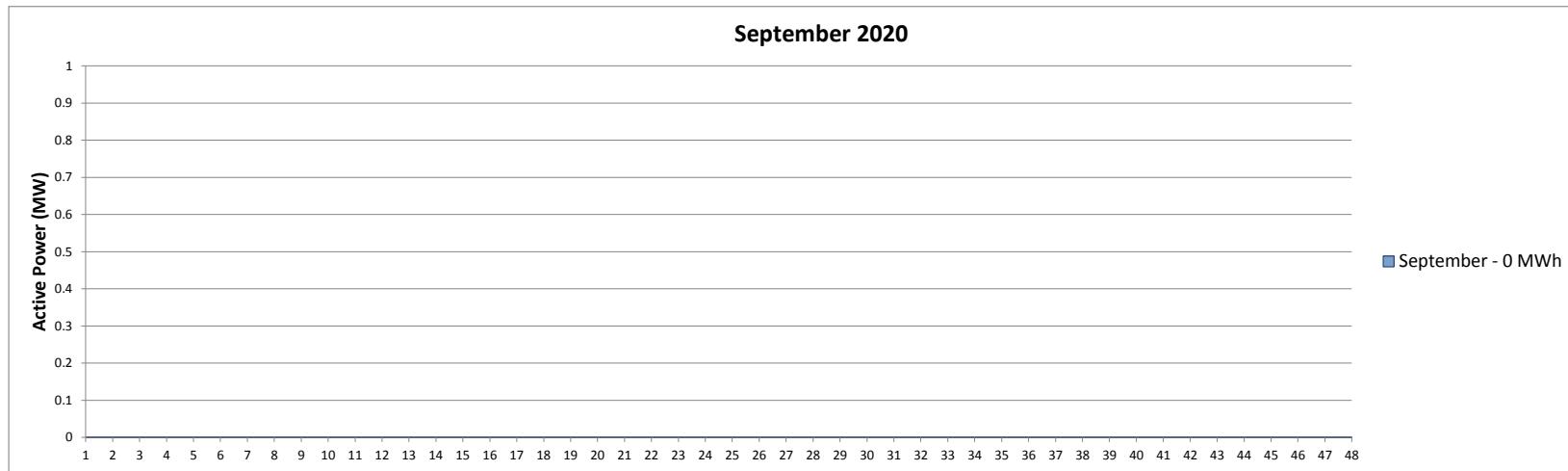




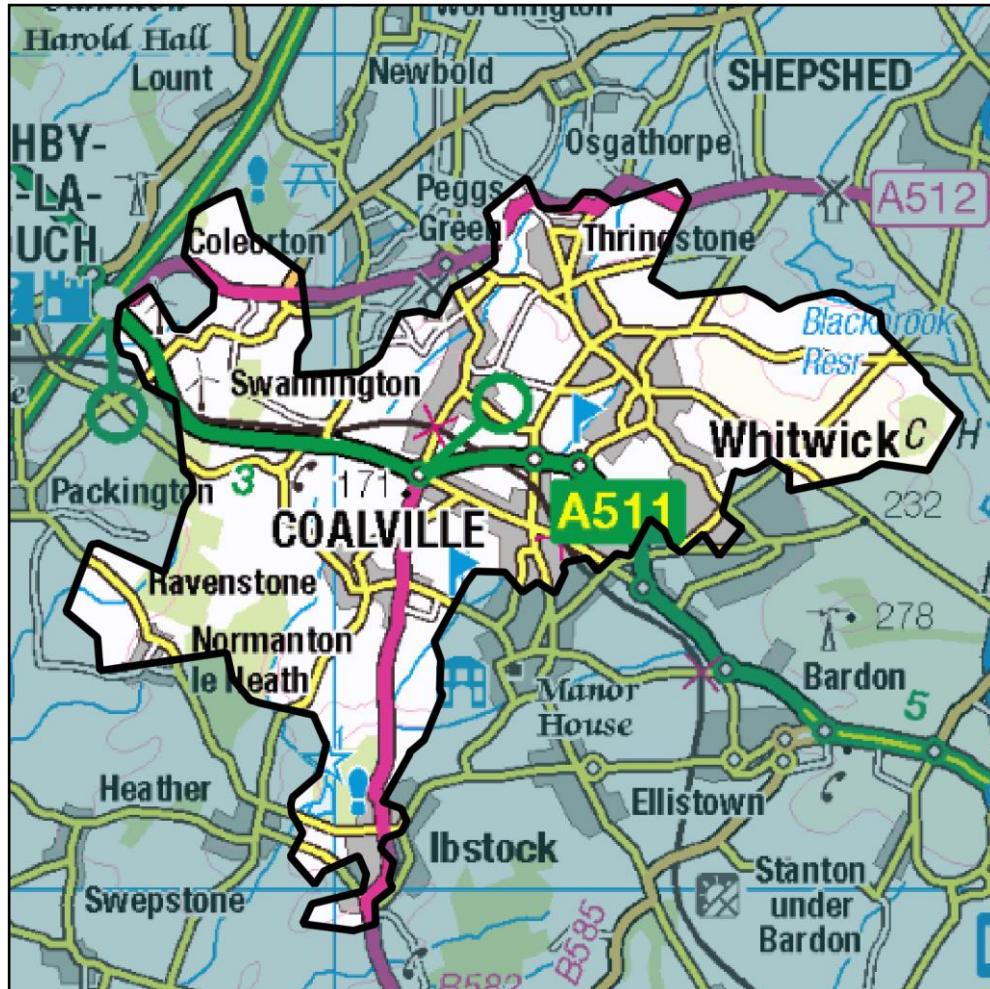




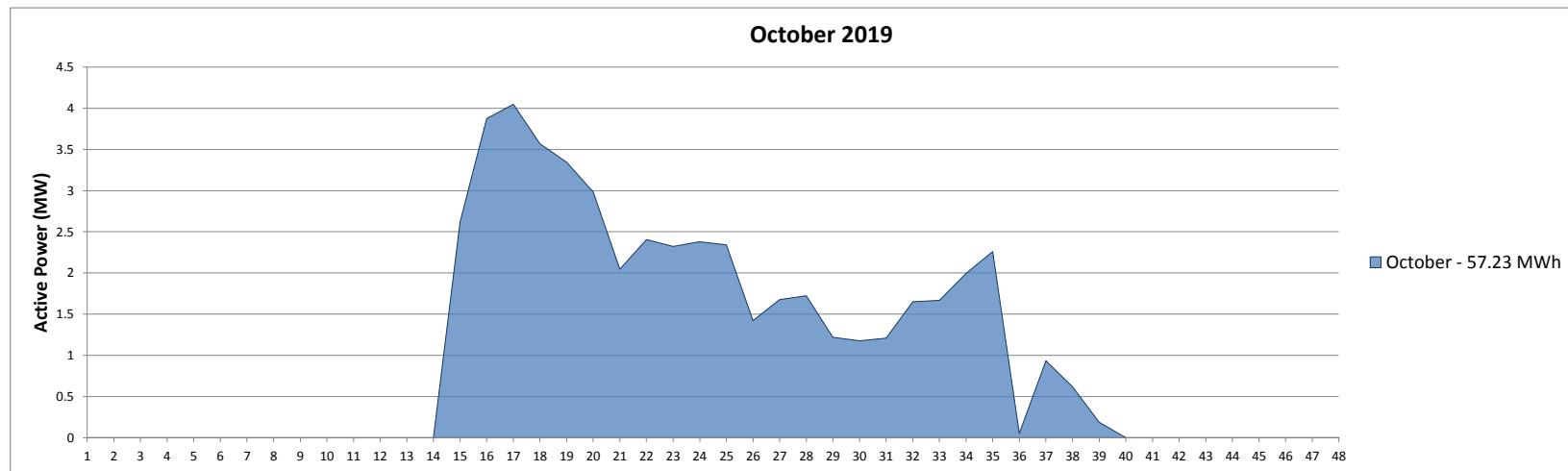
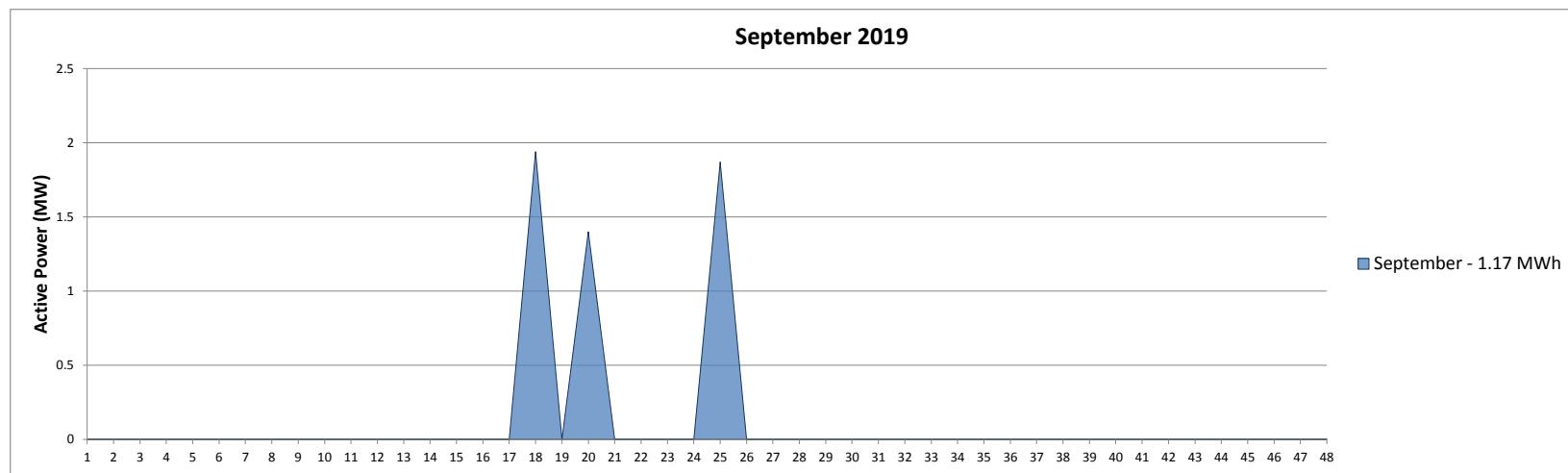


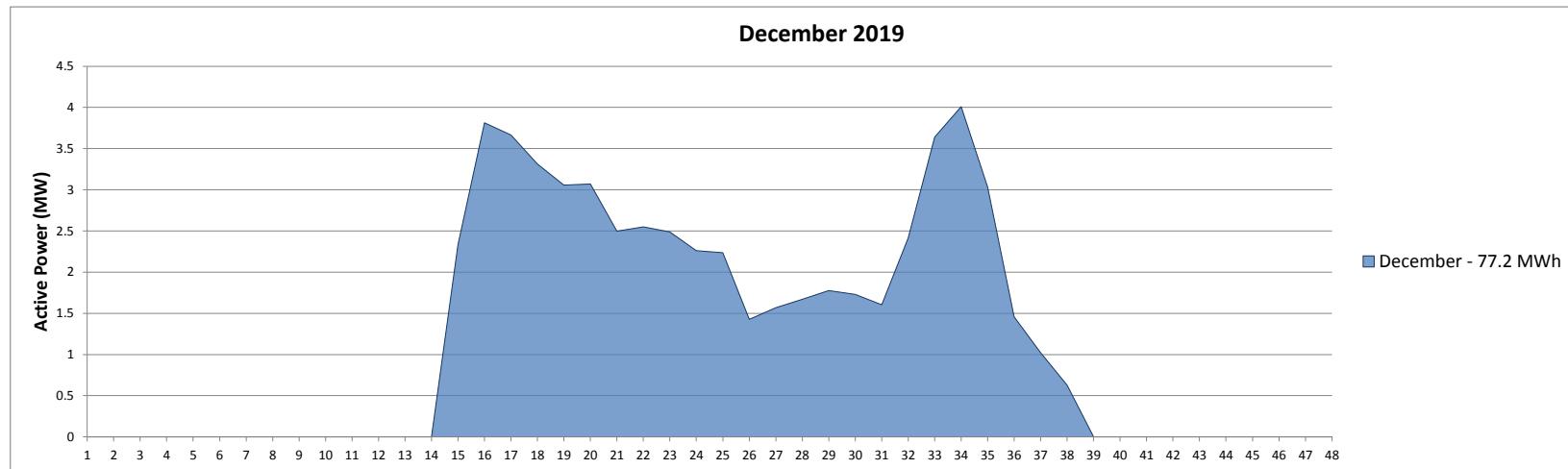
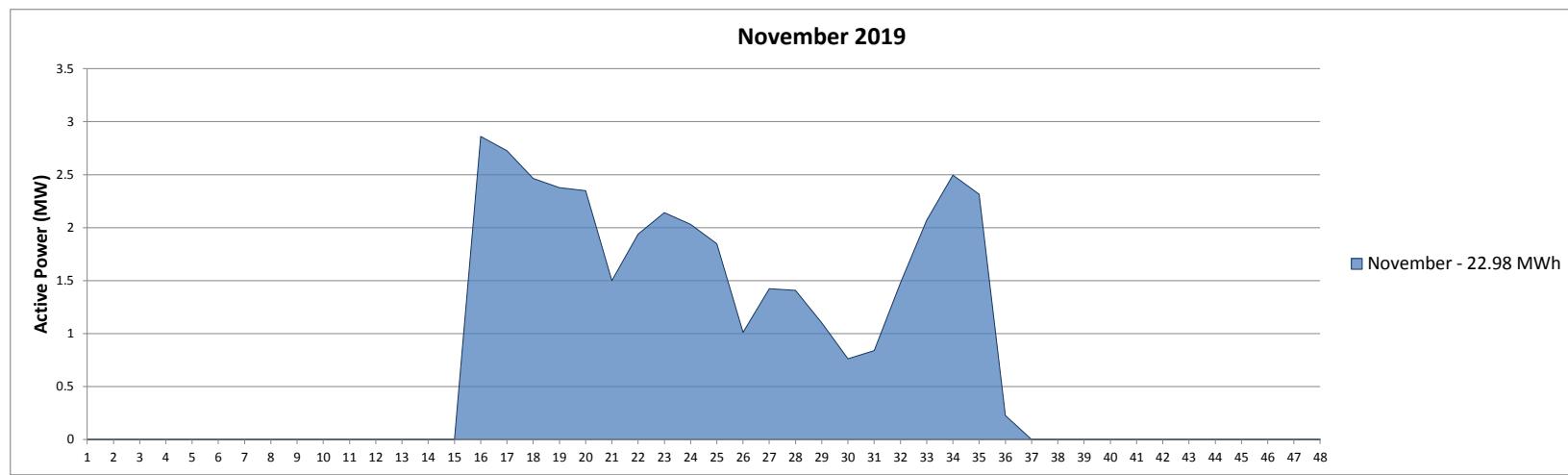


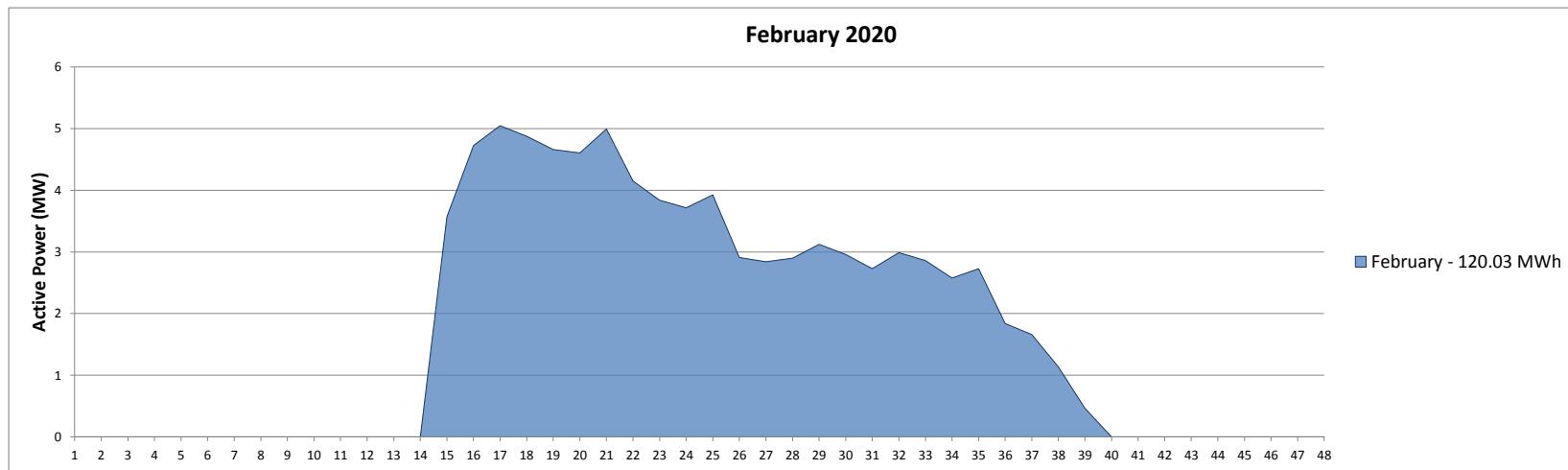
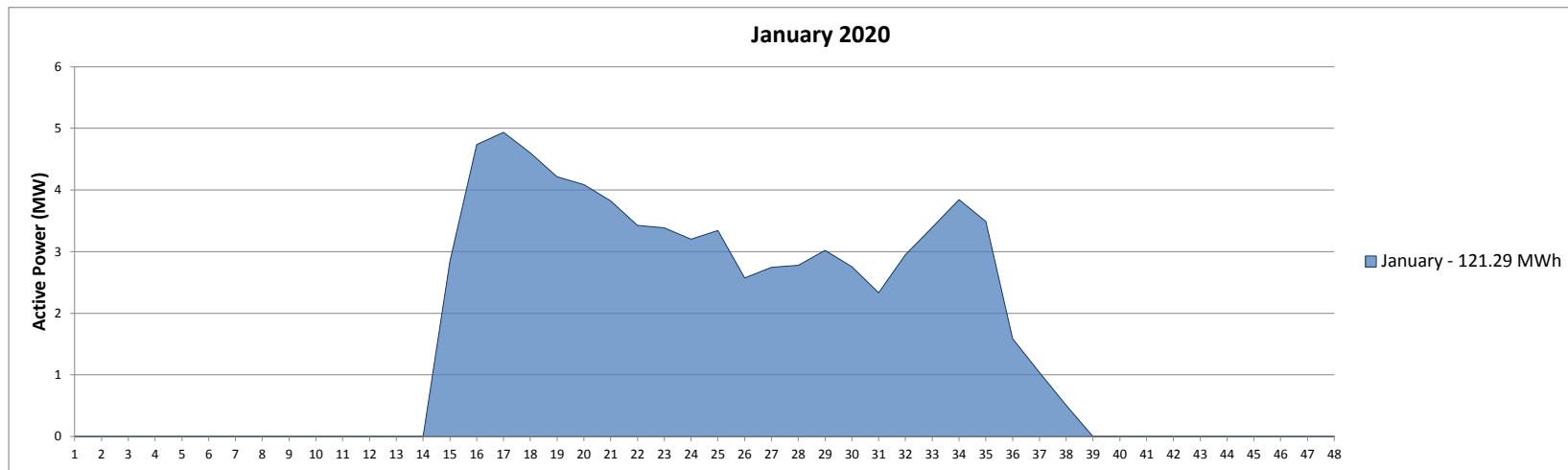
Flexibility Analysis Report for CMZ_T3_EM_0006 - Mantle Lane

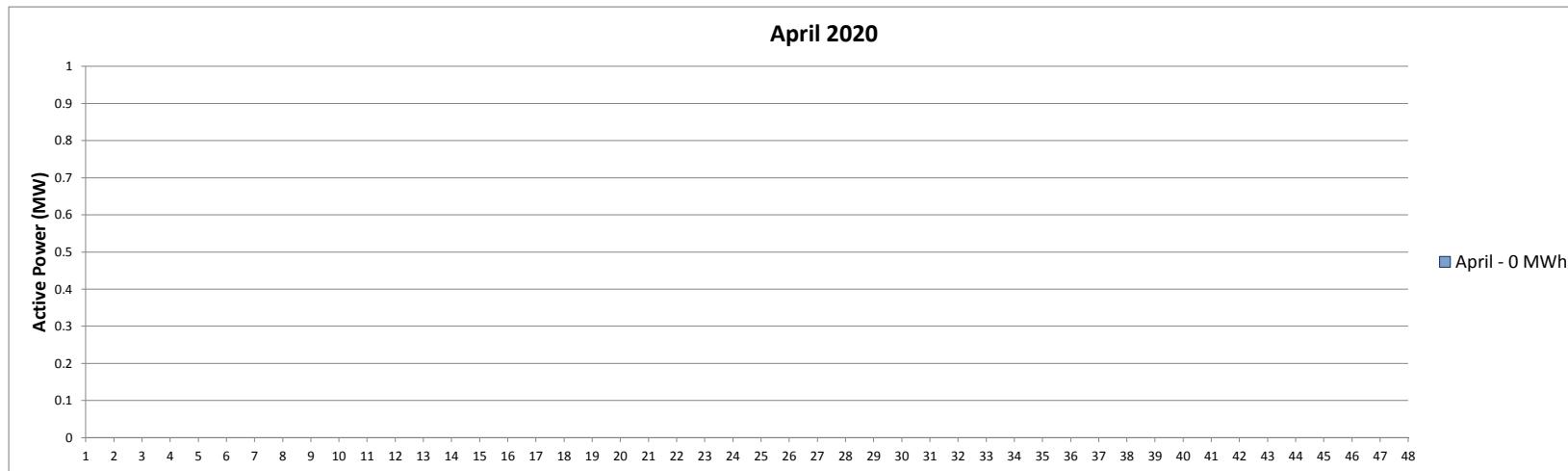
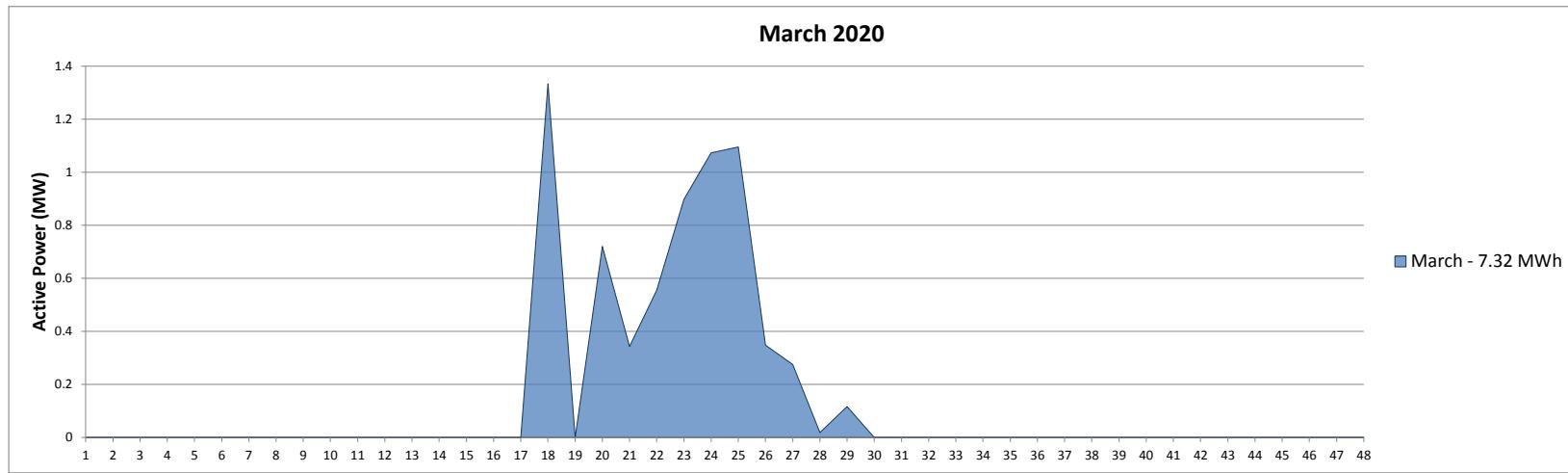


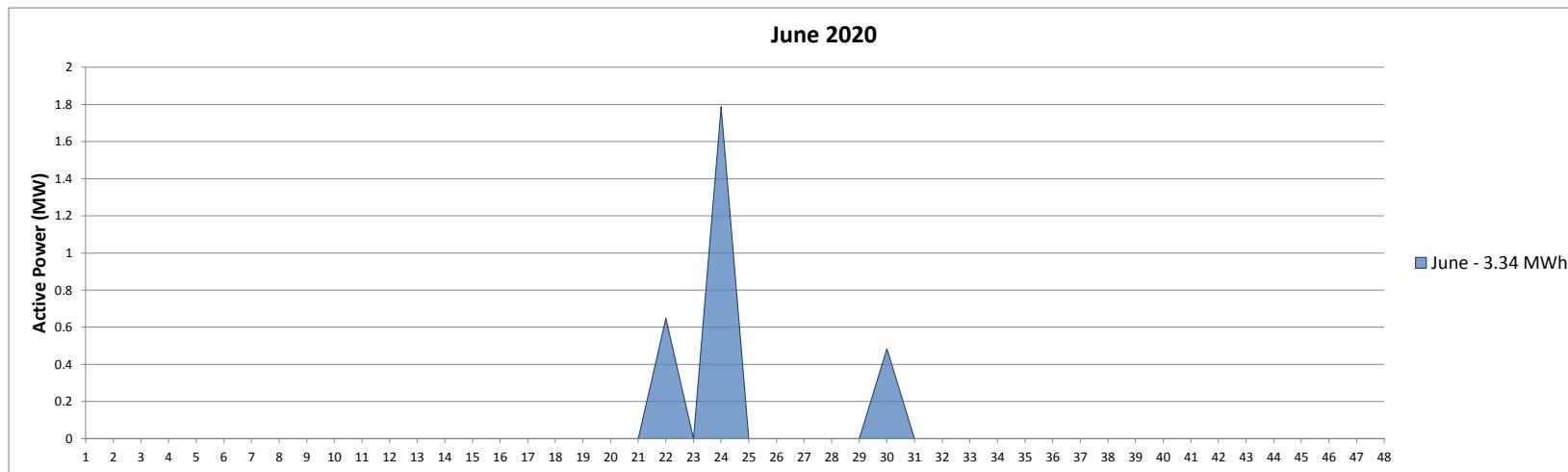
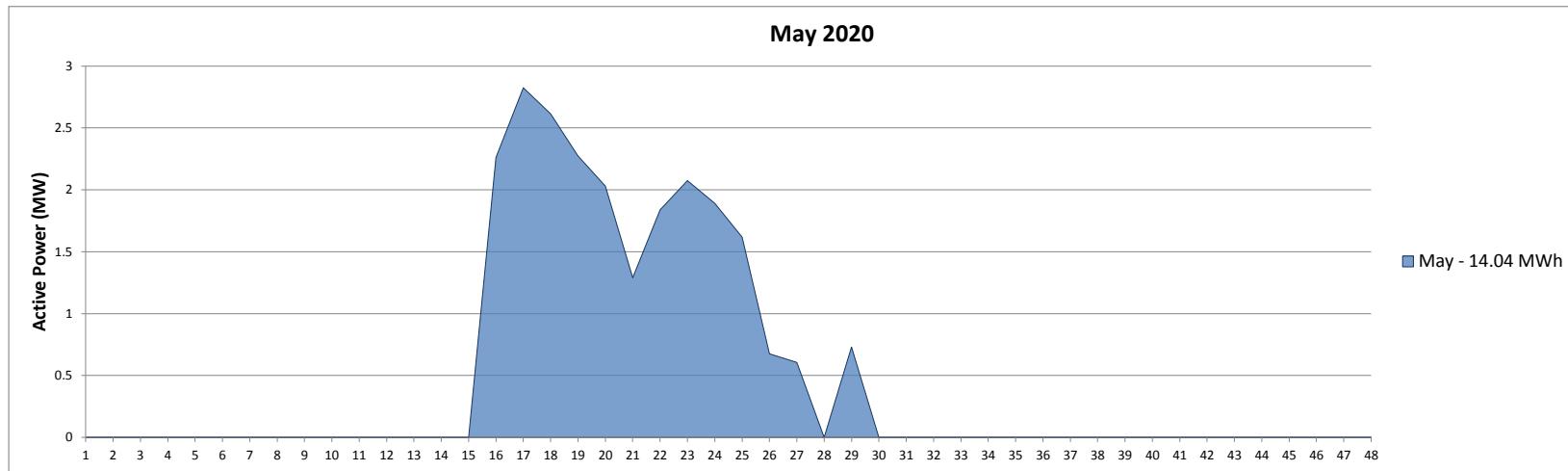
Products	Season	MW Peak
Dynamic	Winter	4.6

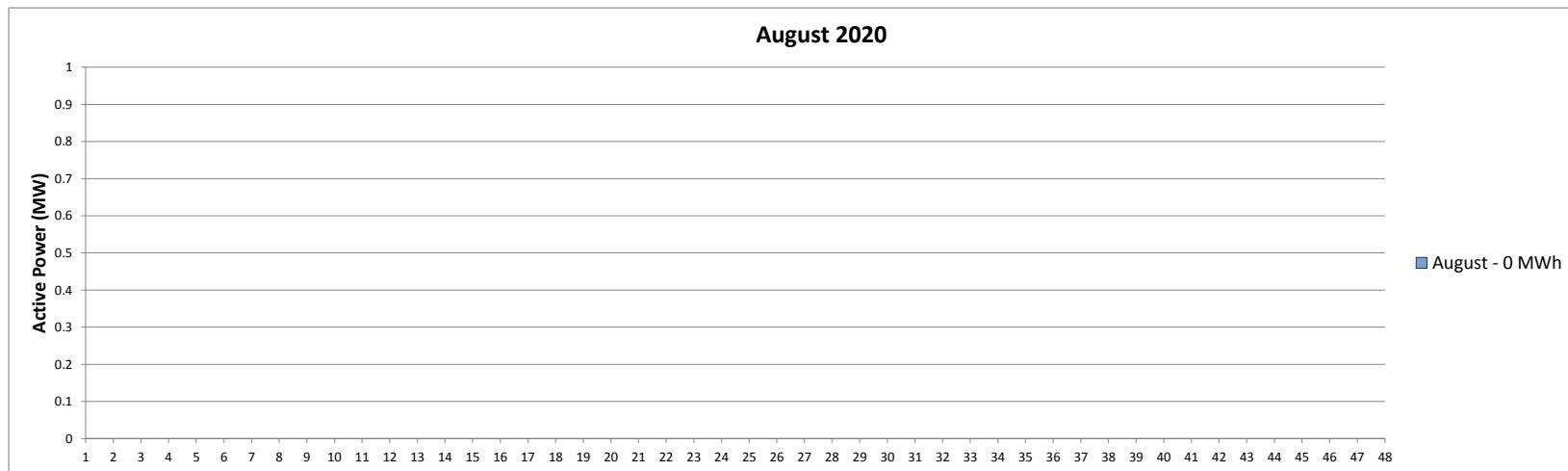
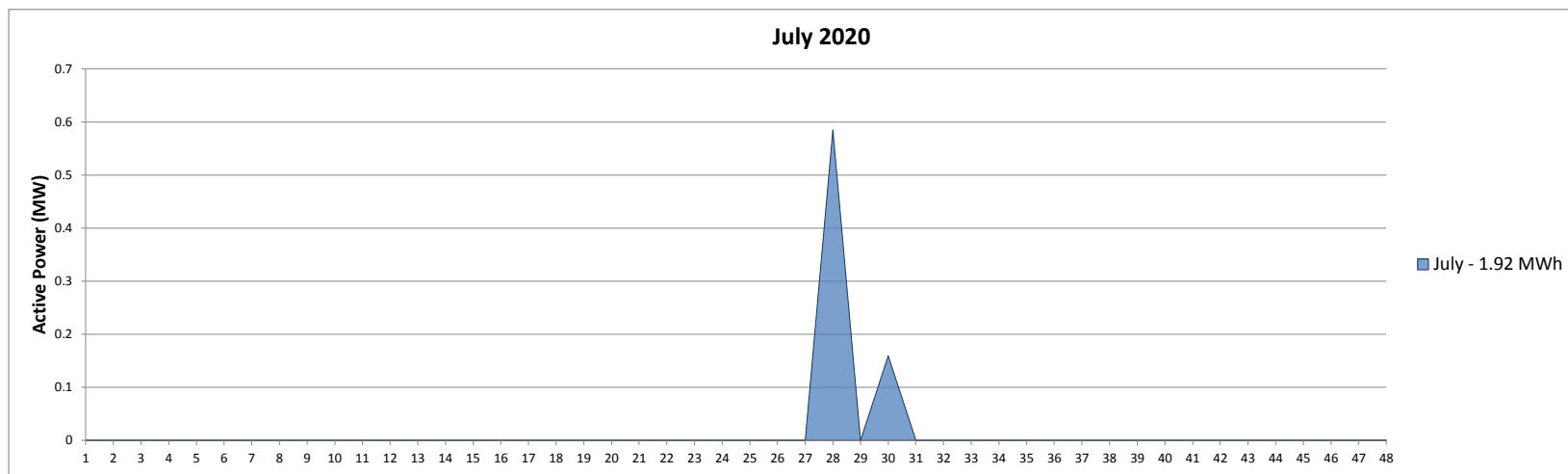


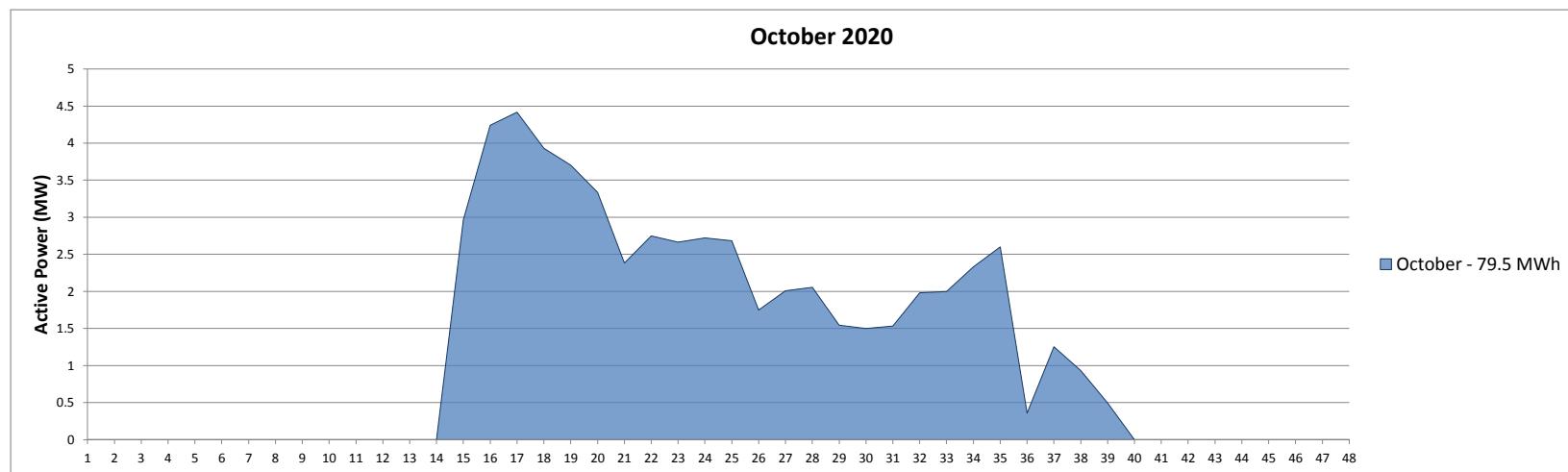
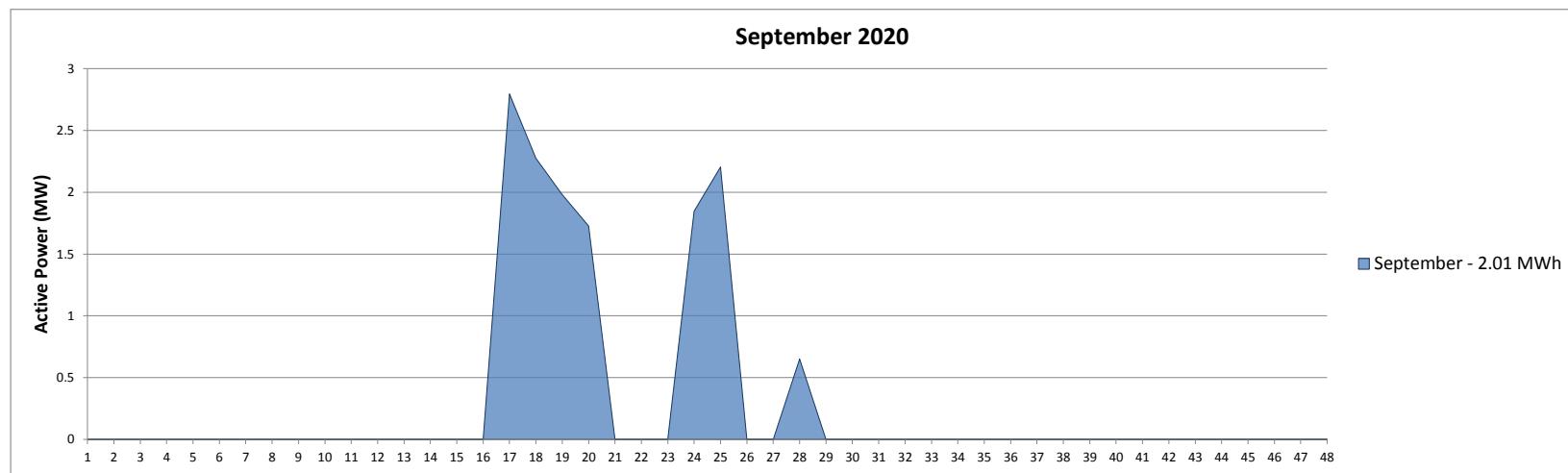




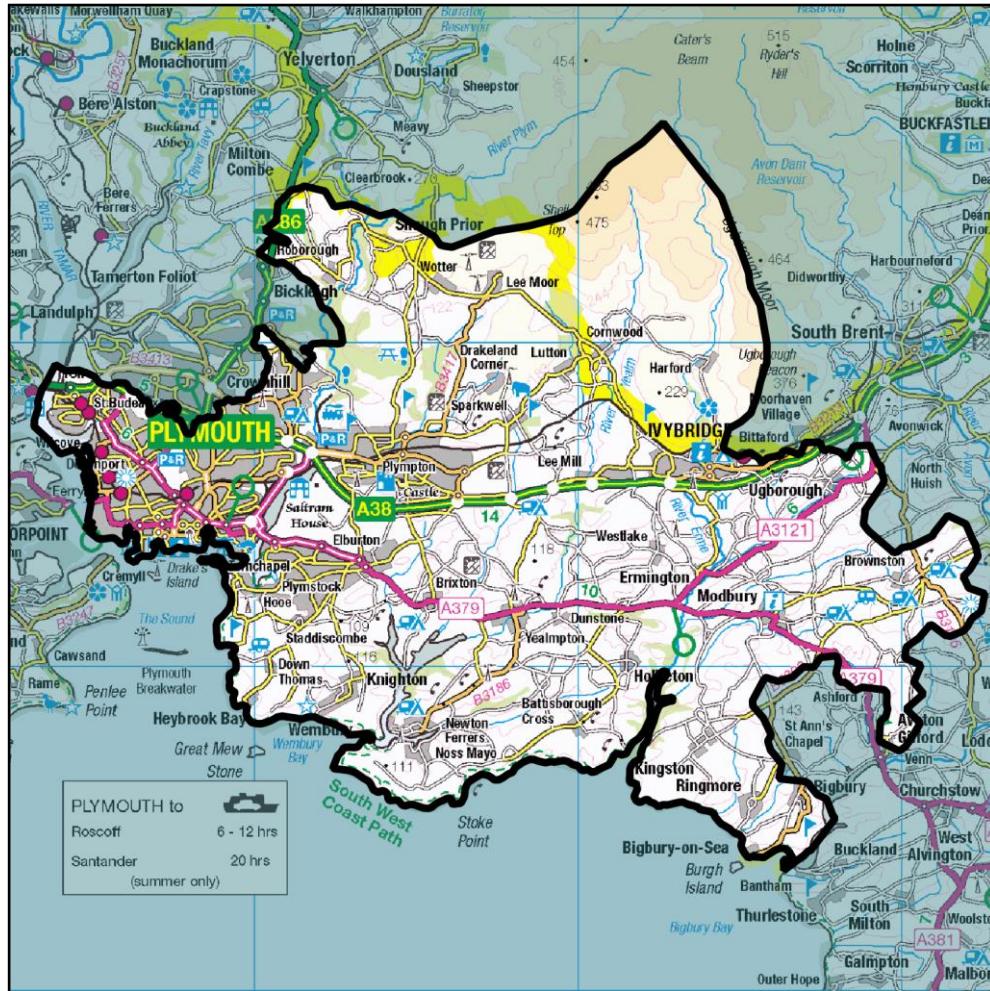




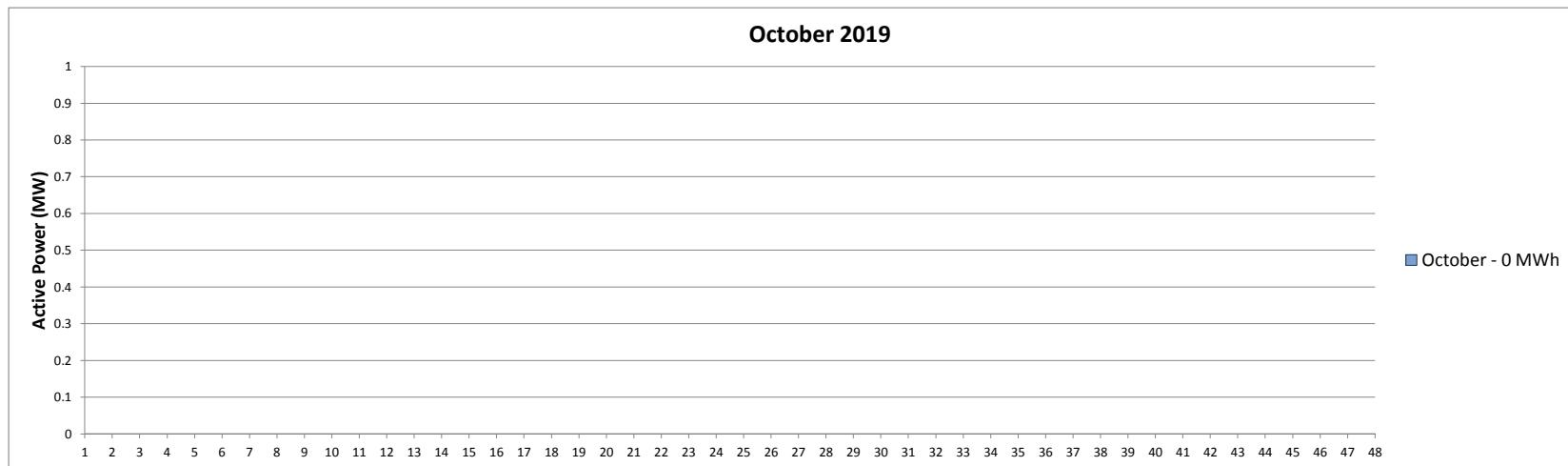
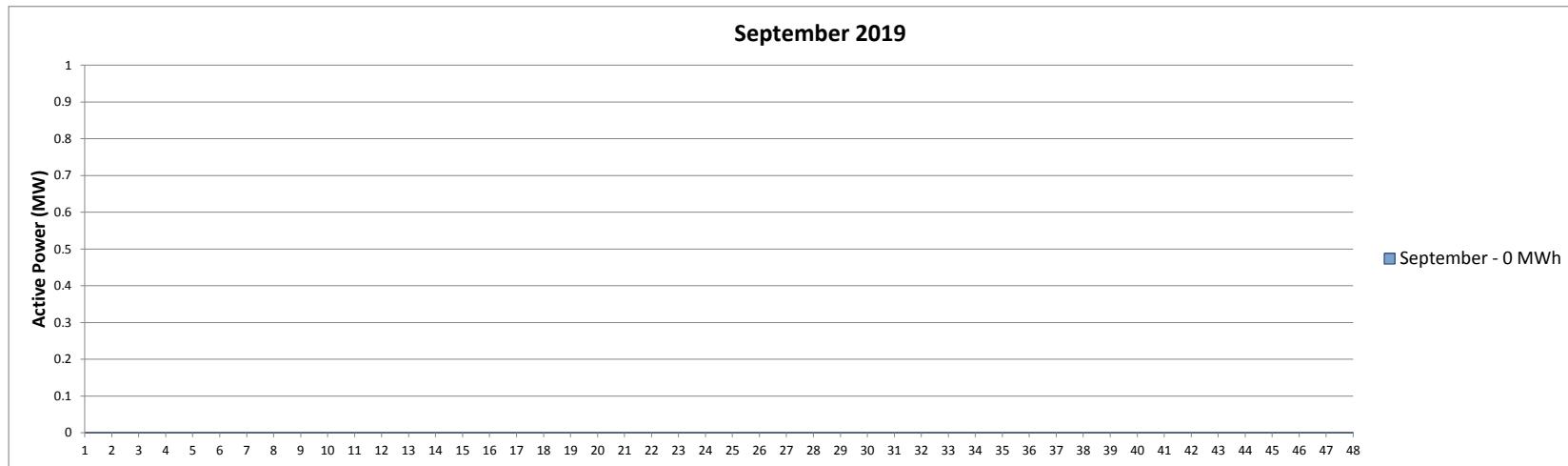


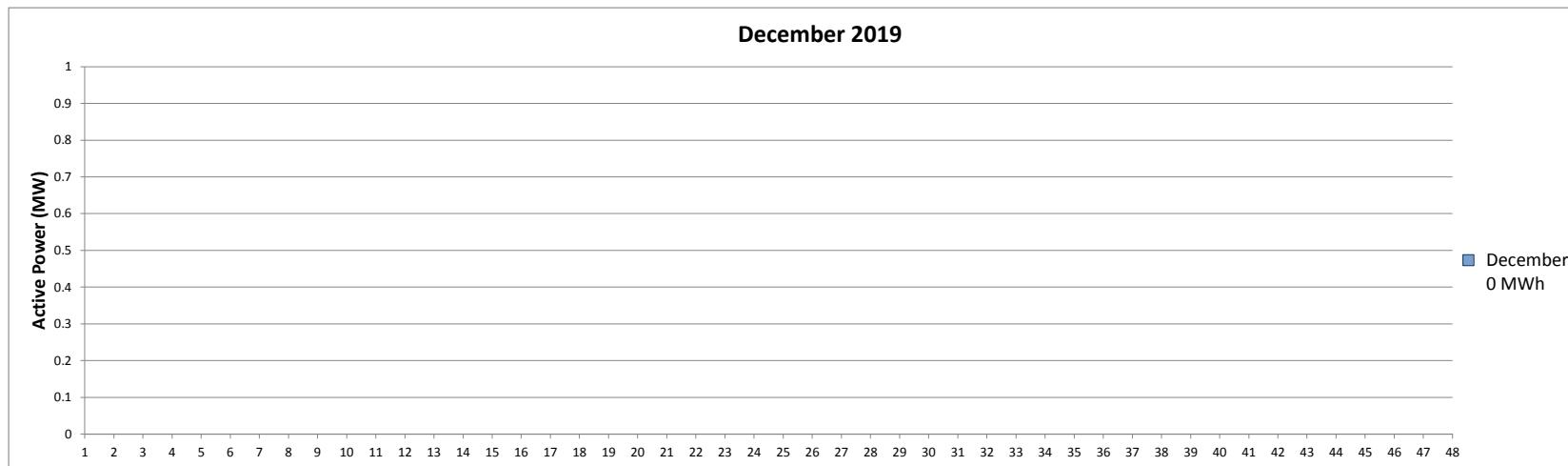
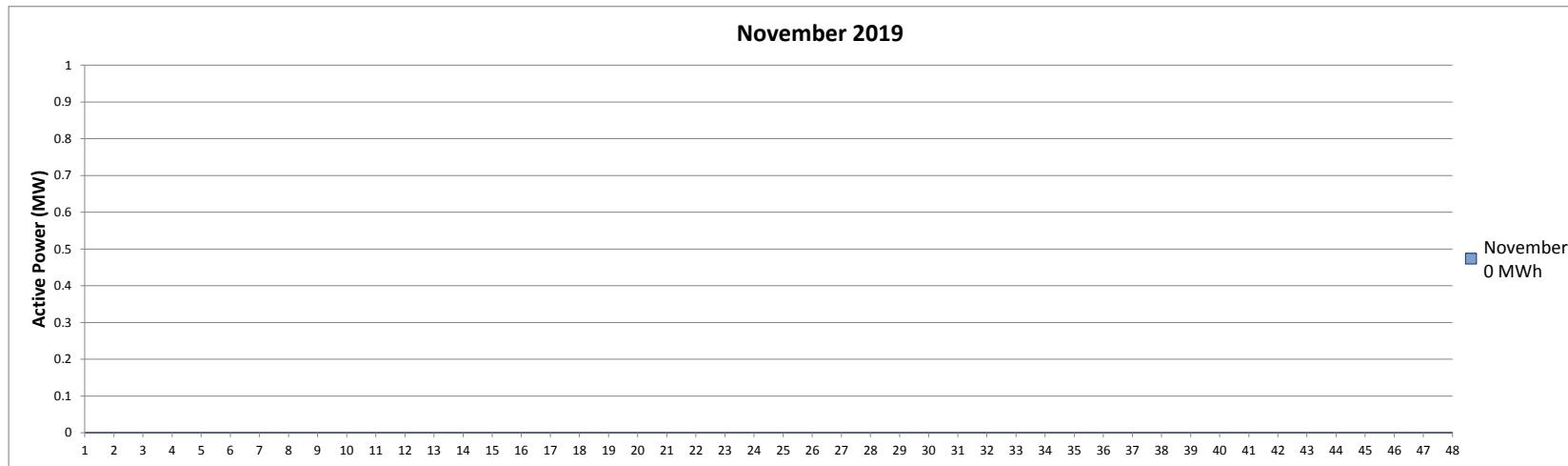


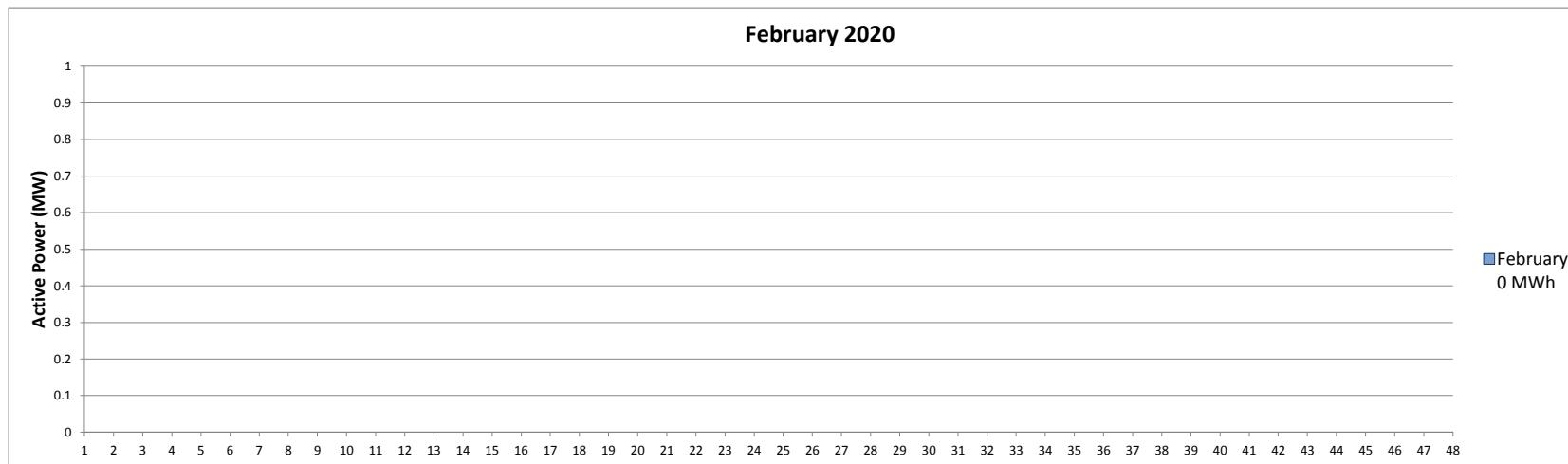
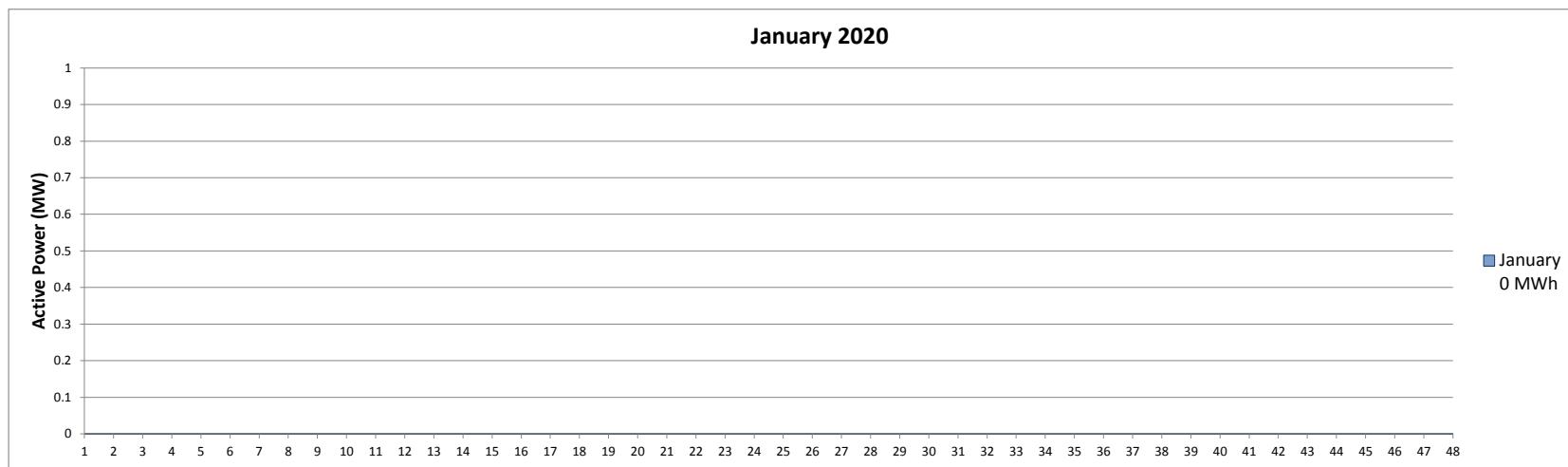
Flexibility Analysis Report for CMZ_SWE_SUBZ_0001 - Plymouth South Hams - Subzone 1

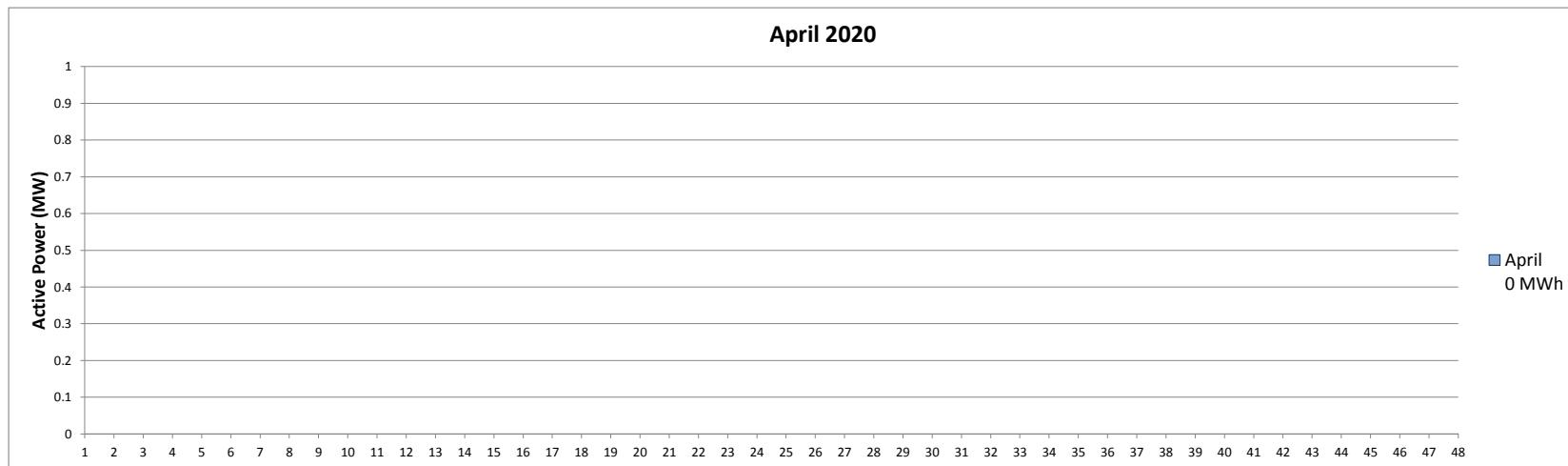
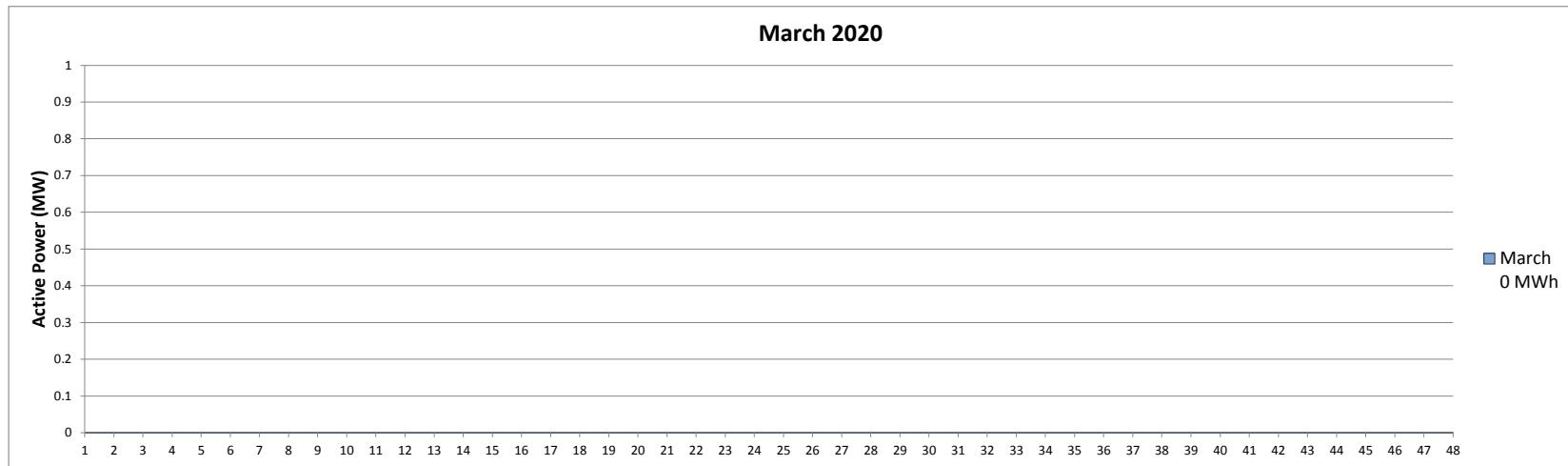


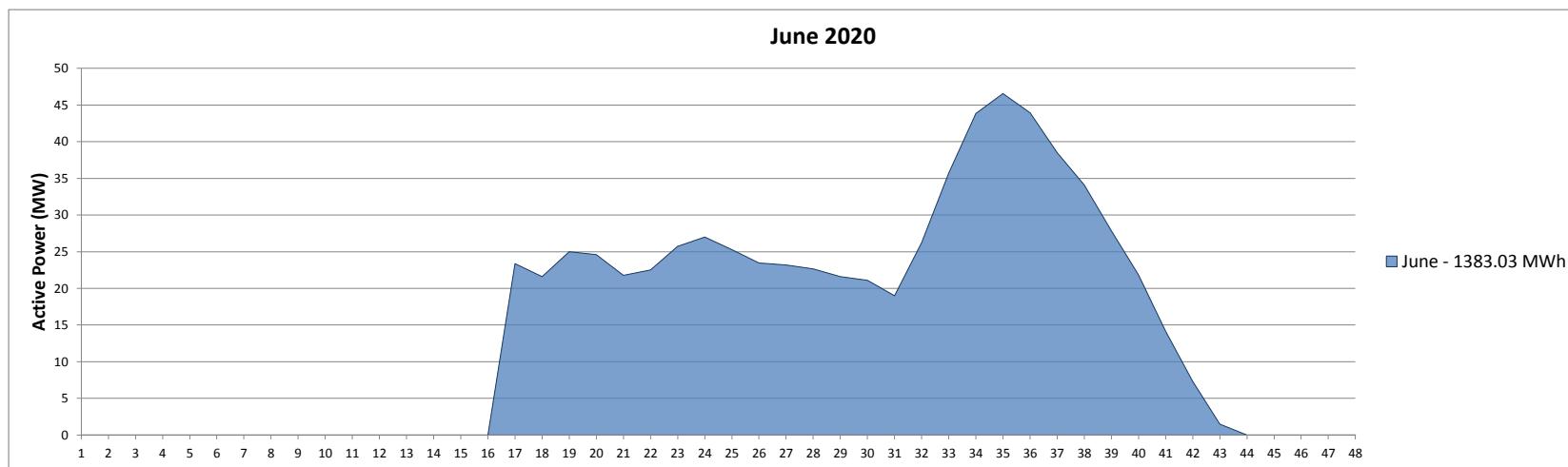
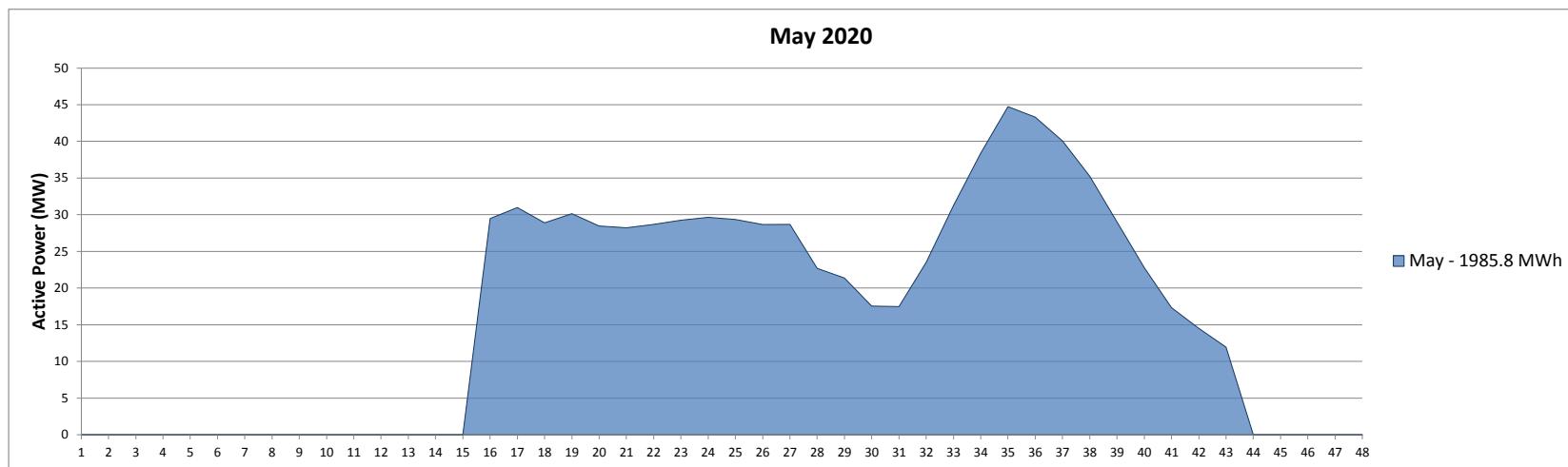
Products	Season	MW Peak
Dynamic	Summer	46.6

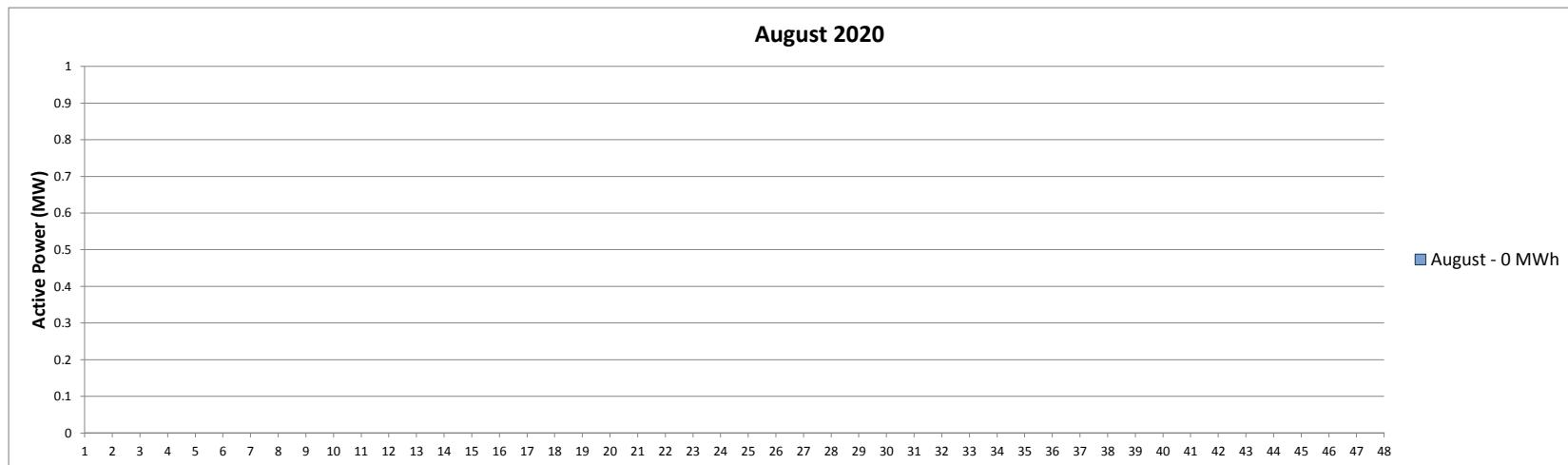
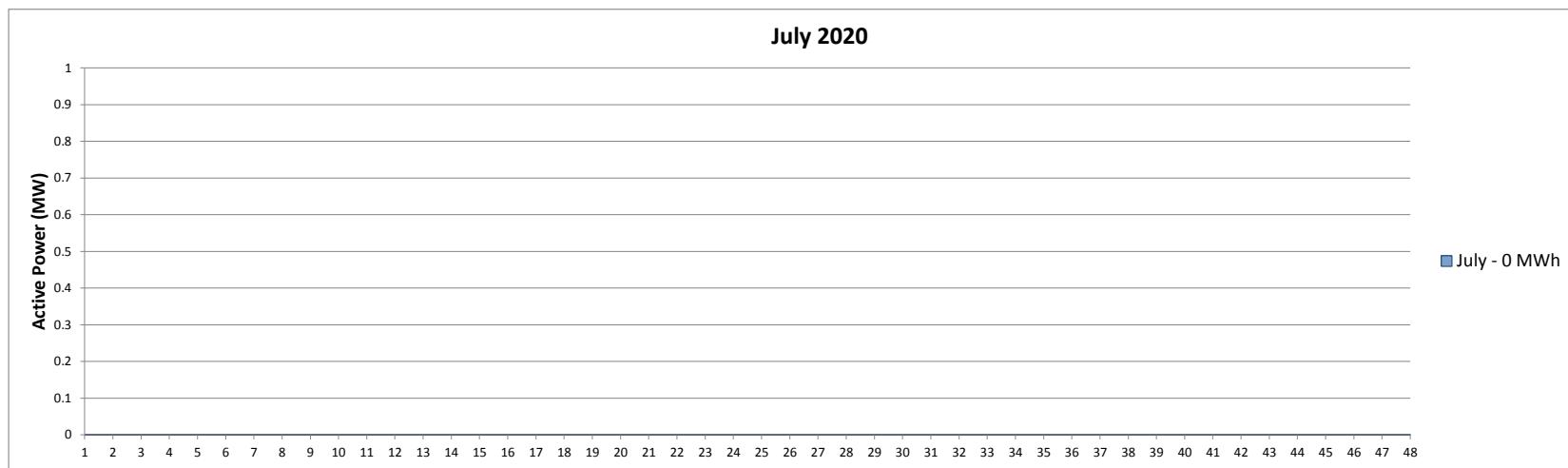


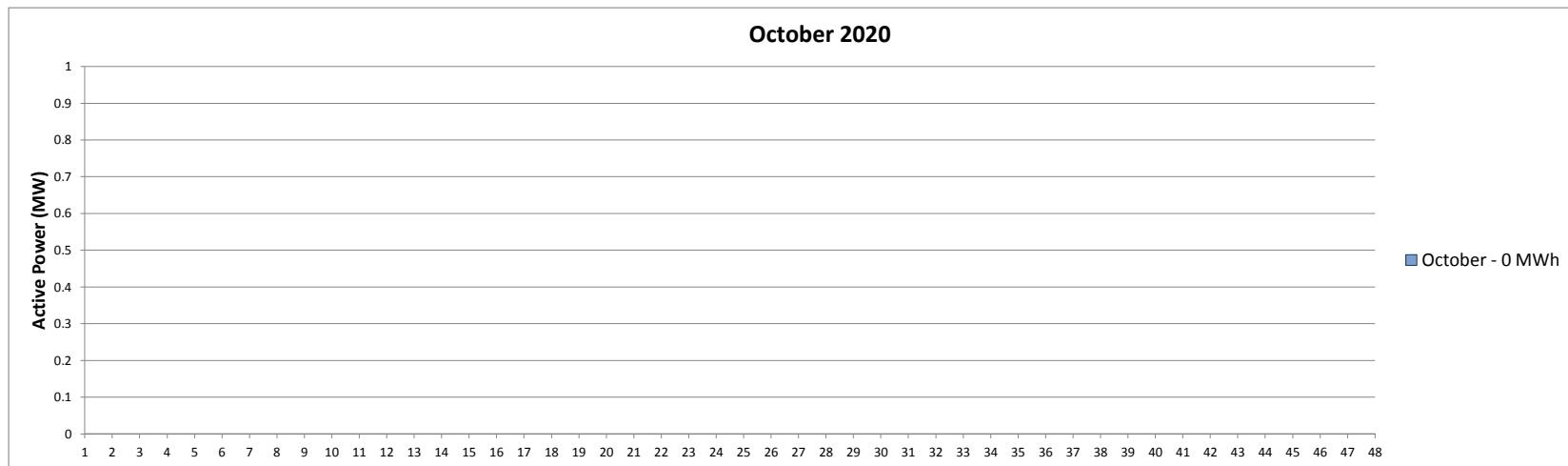
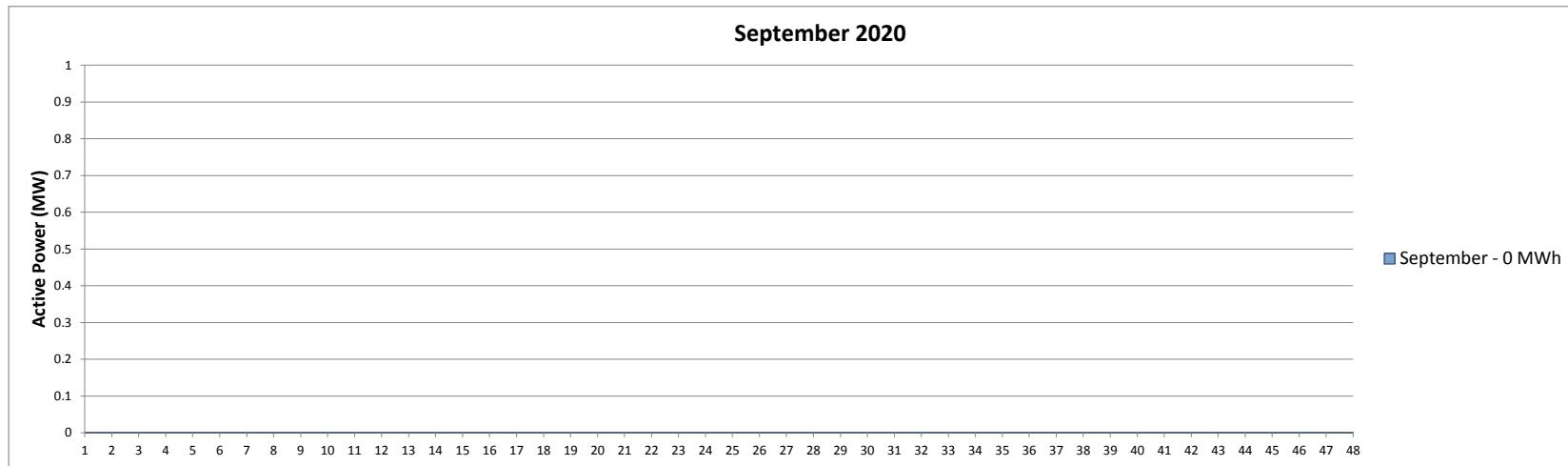








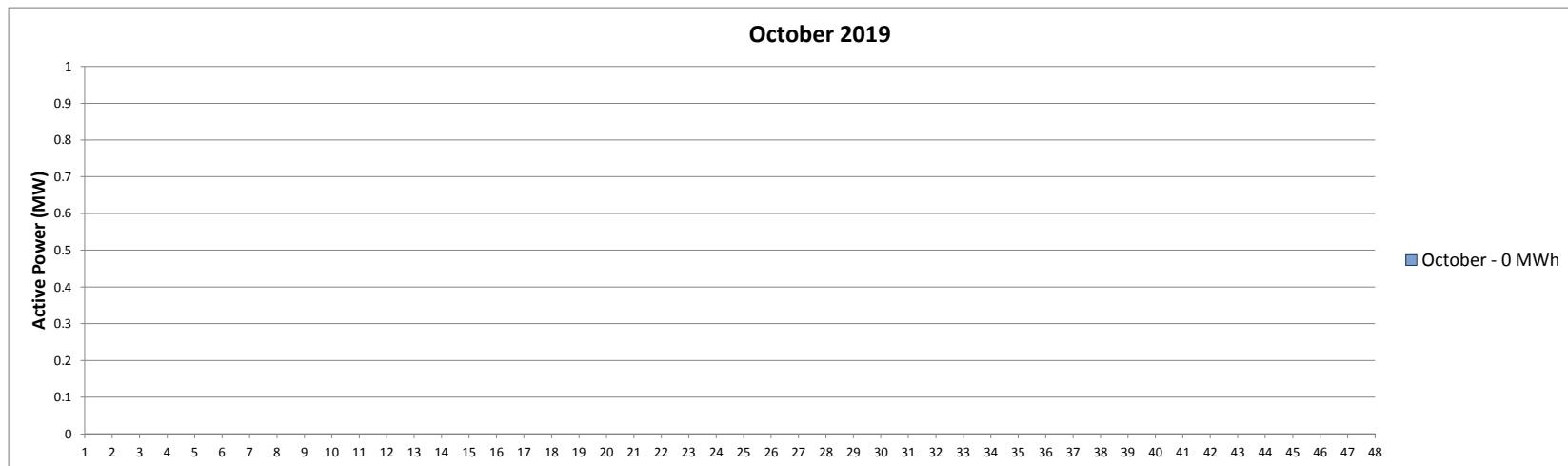
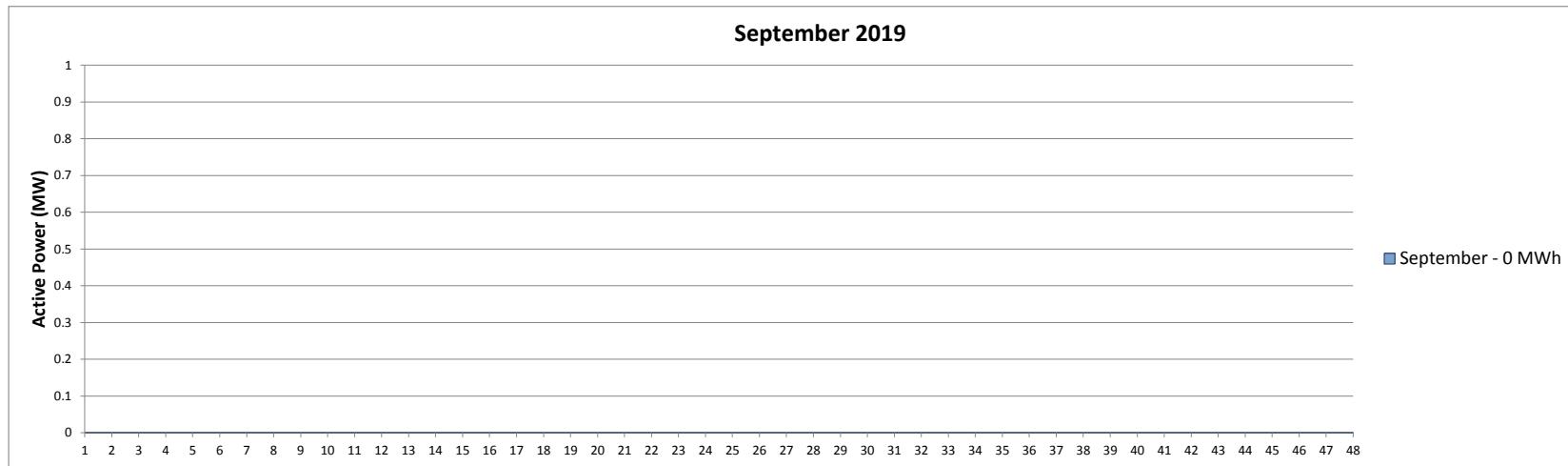


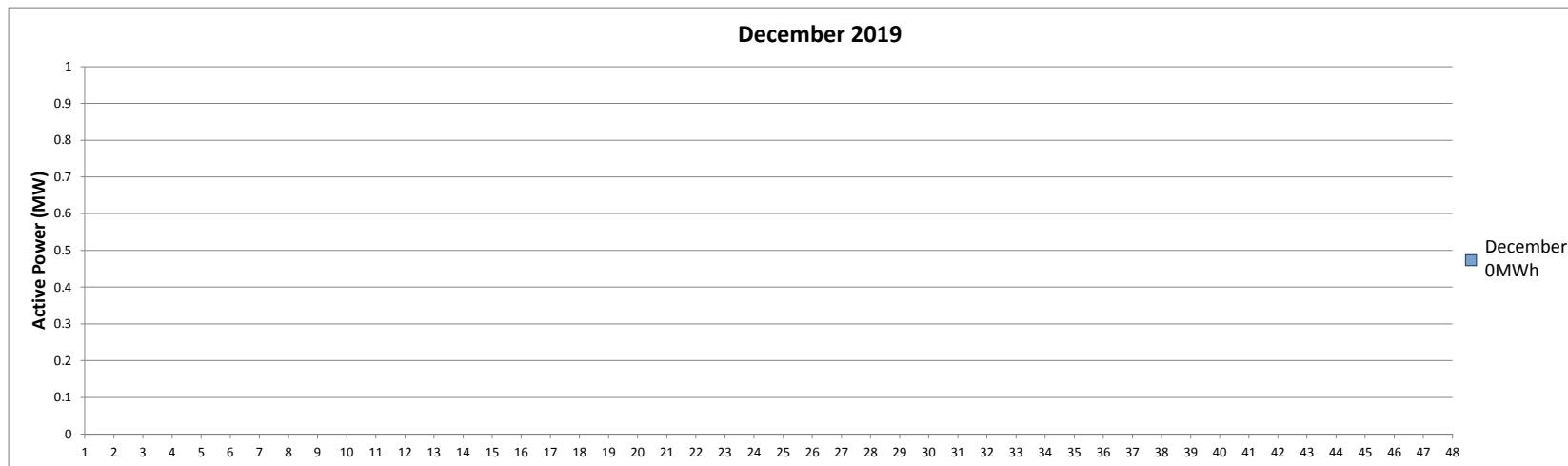
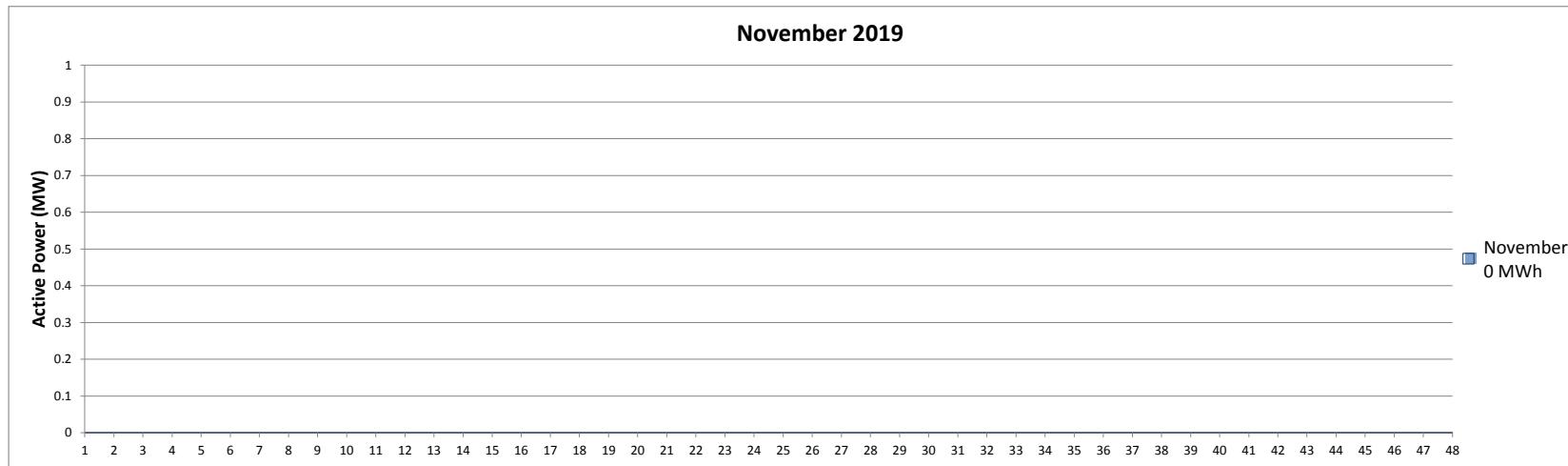


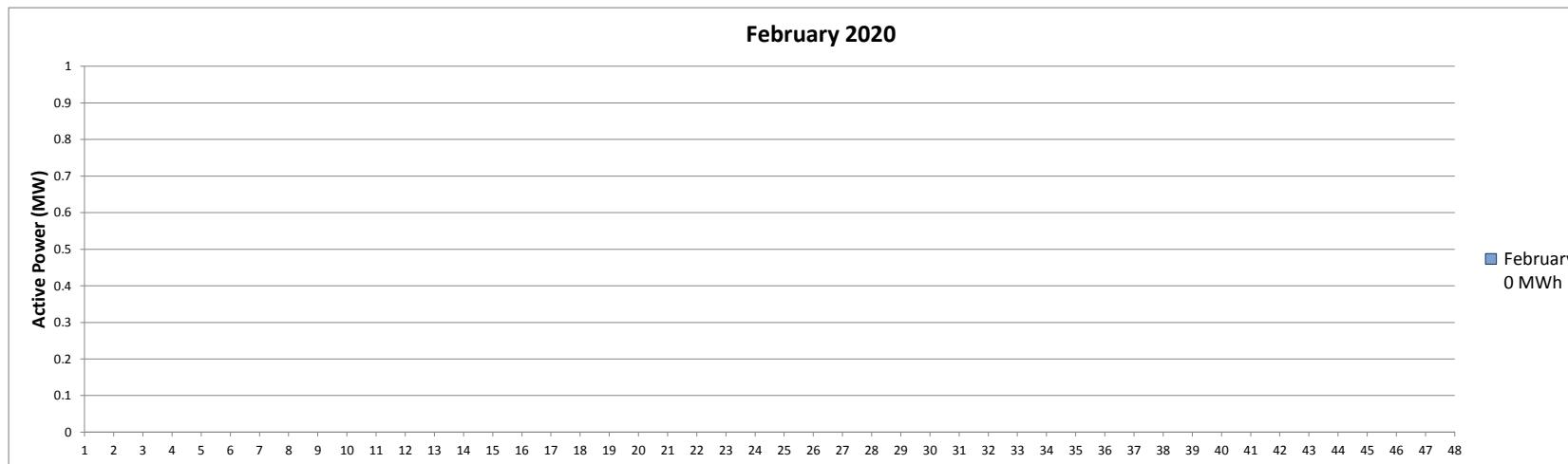
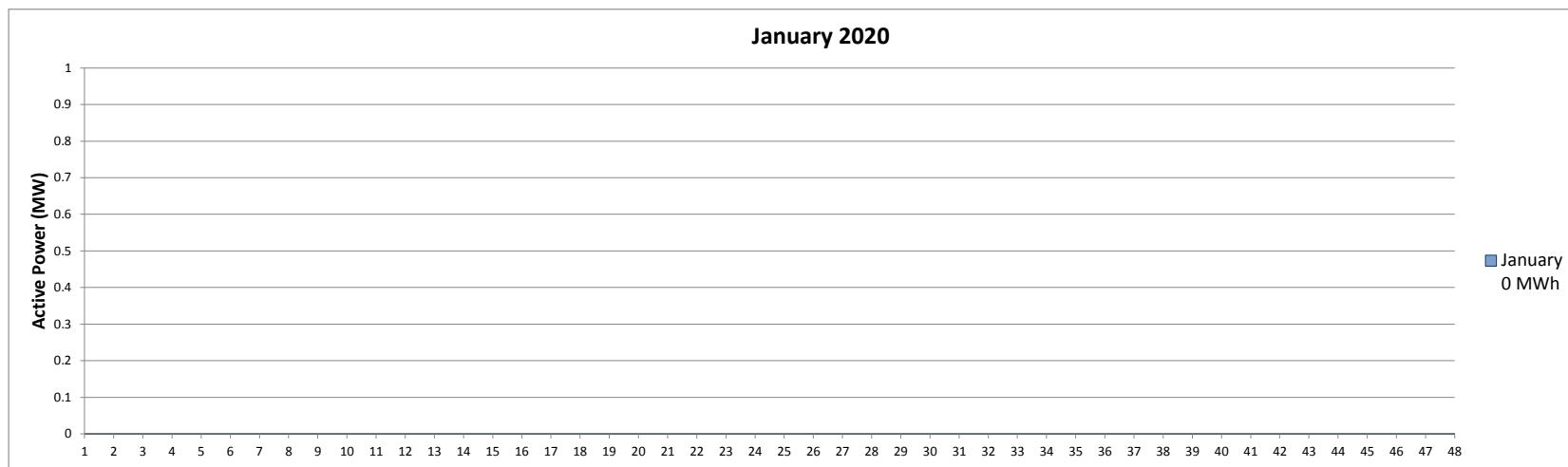
Flexibility Analysis Report for CMZ_SWE_SUBZ_0002 - Plymouth South Hams - Subzone 2

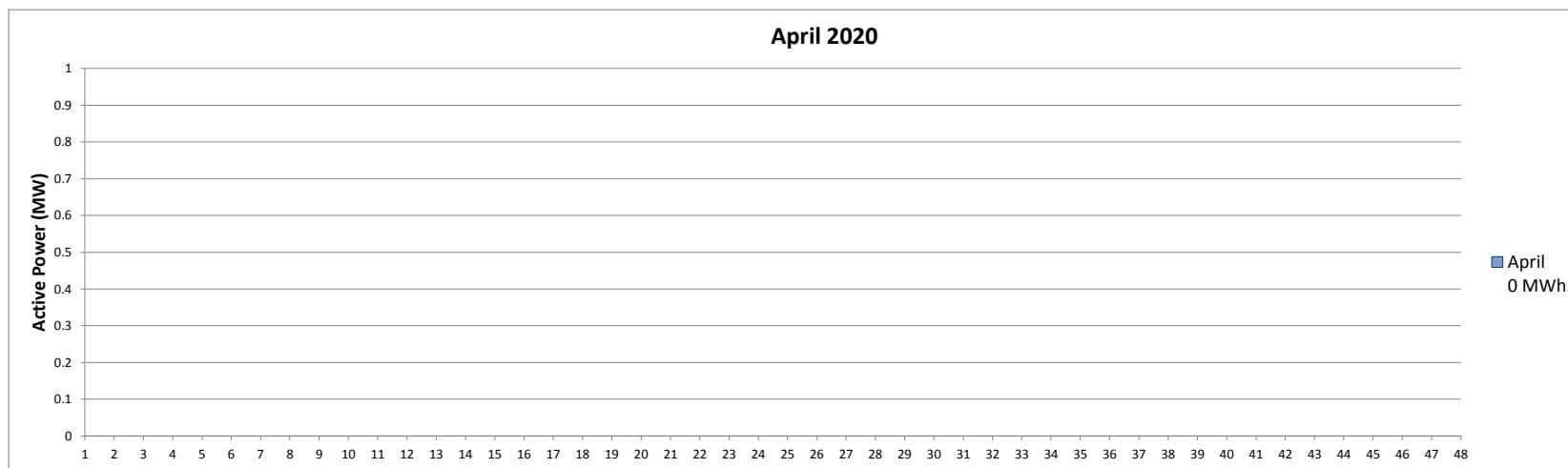
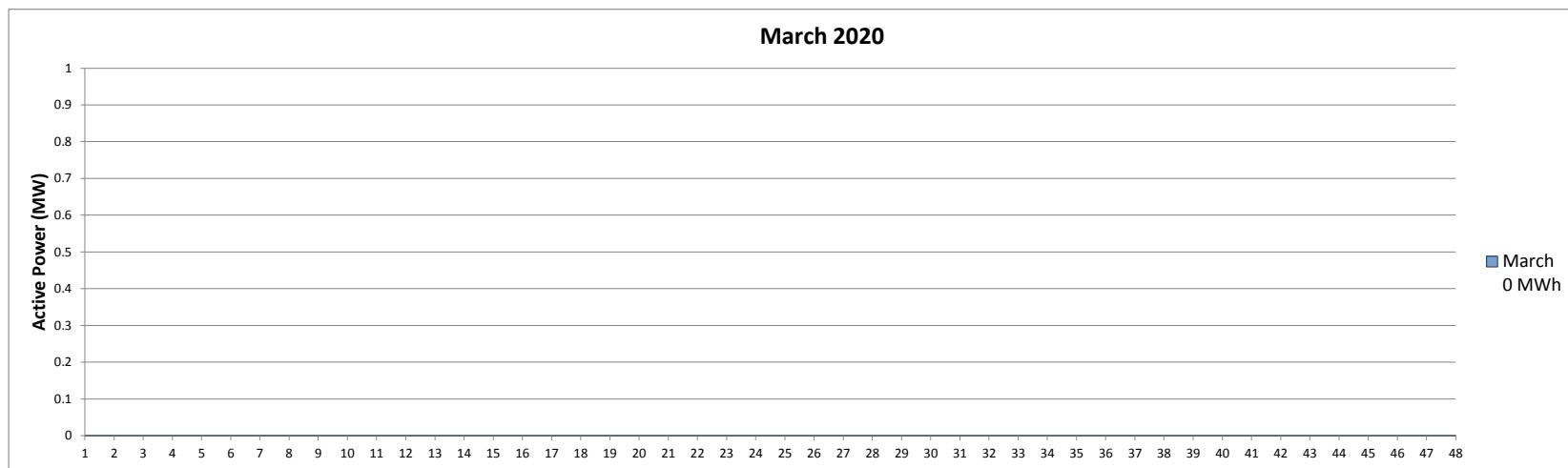


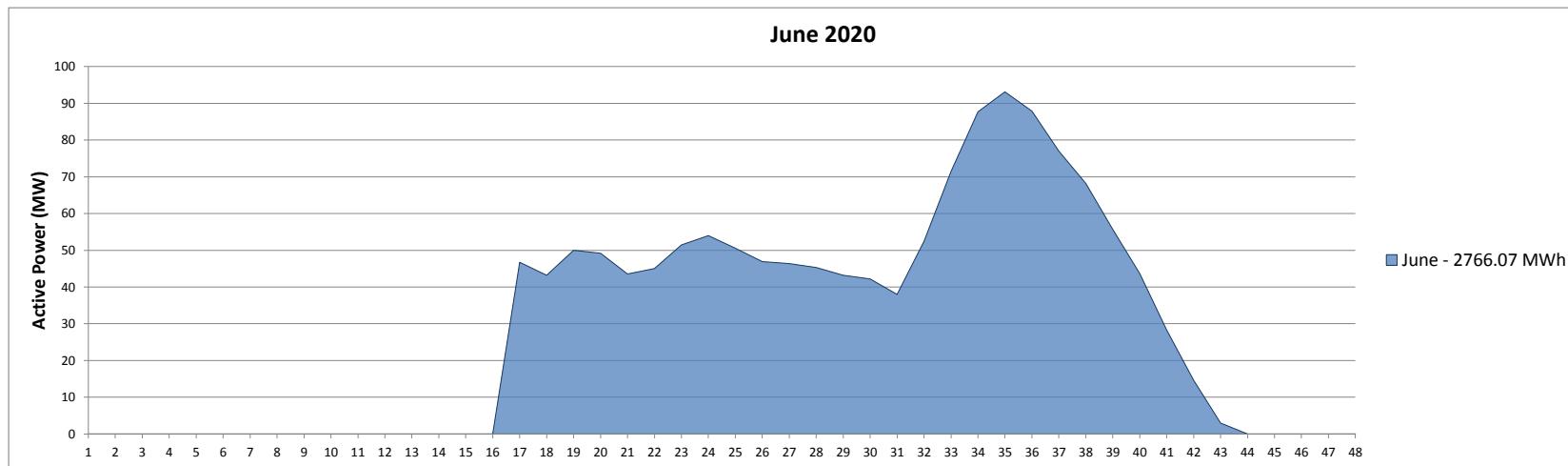
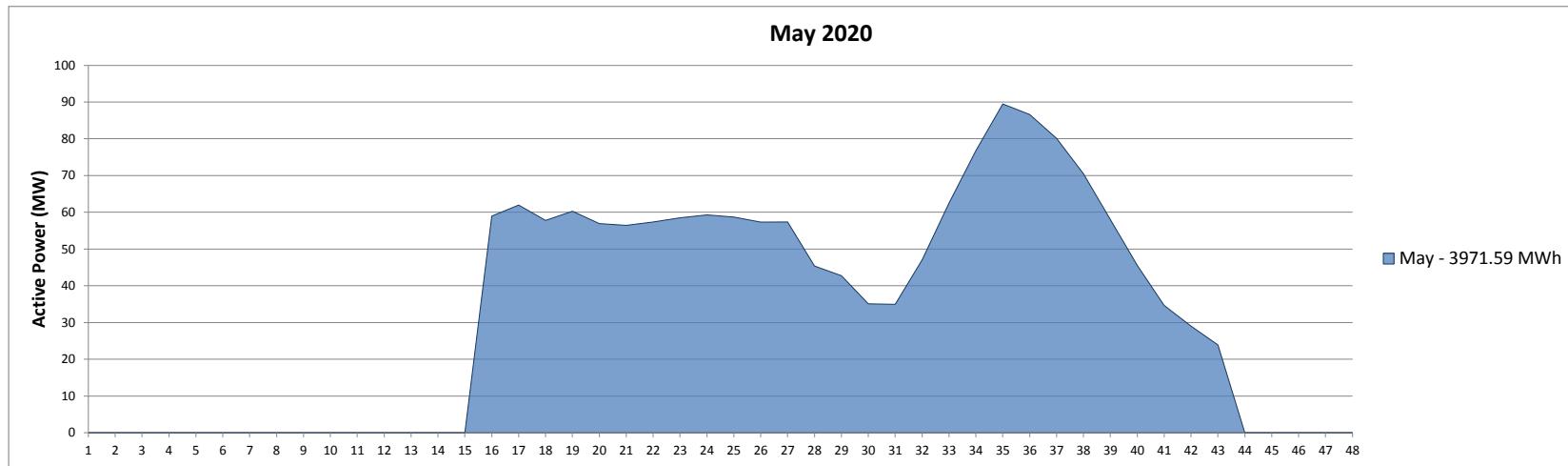
Products	Season	MW Peak
Dynamic	Summer	93.1

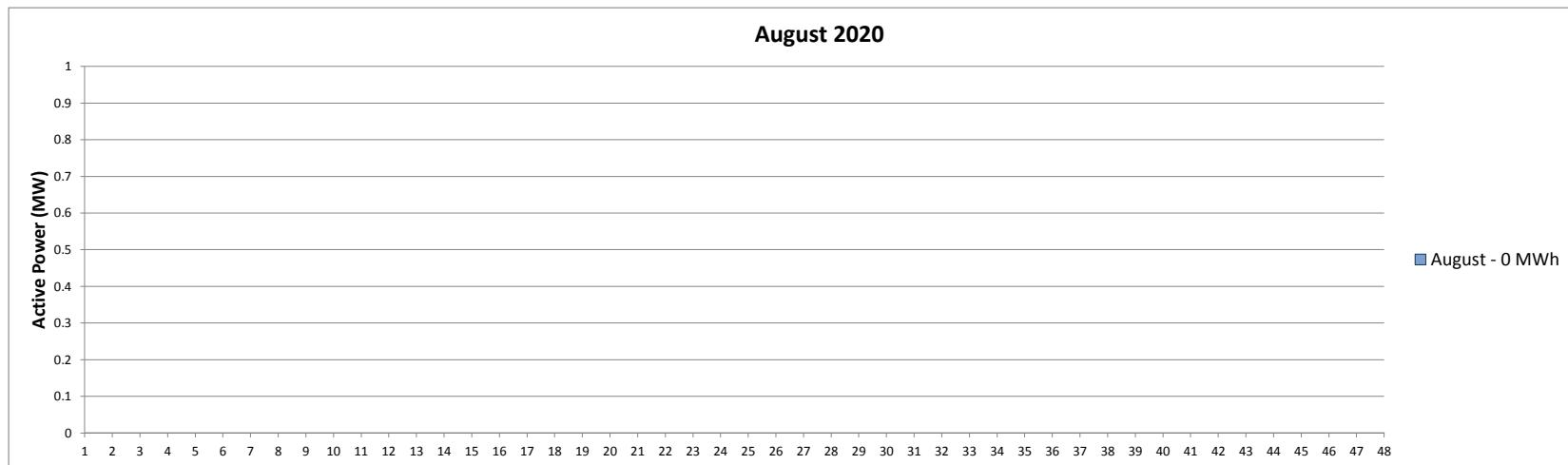
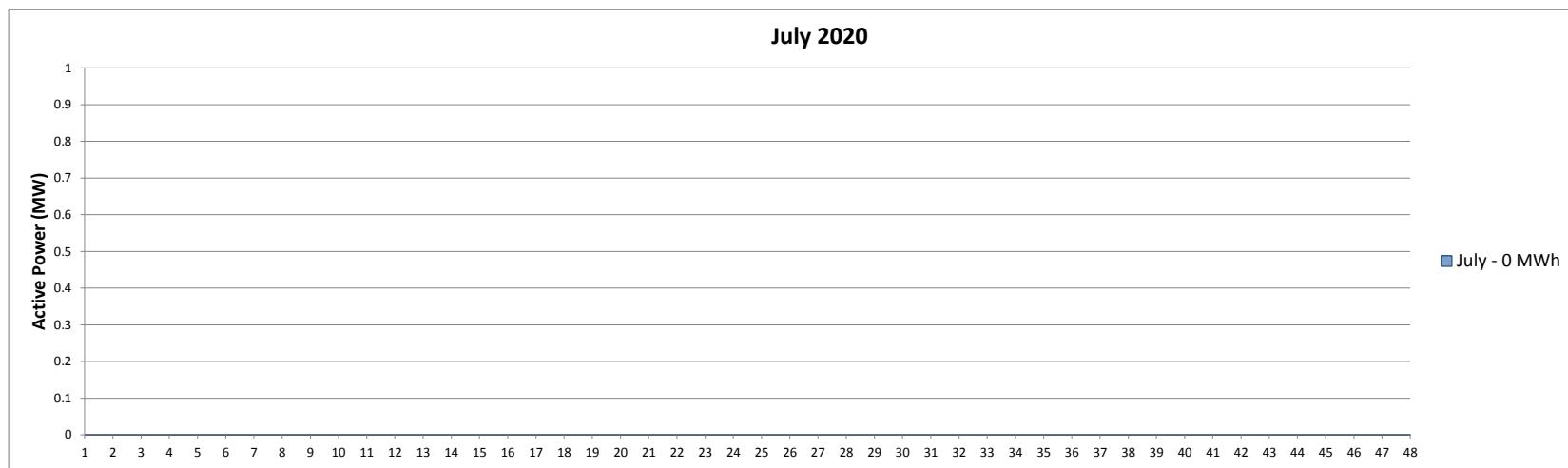


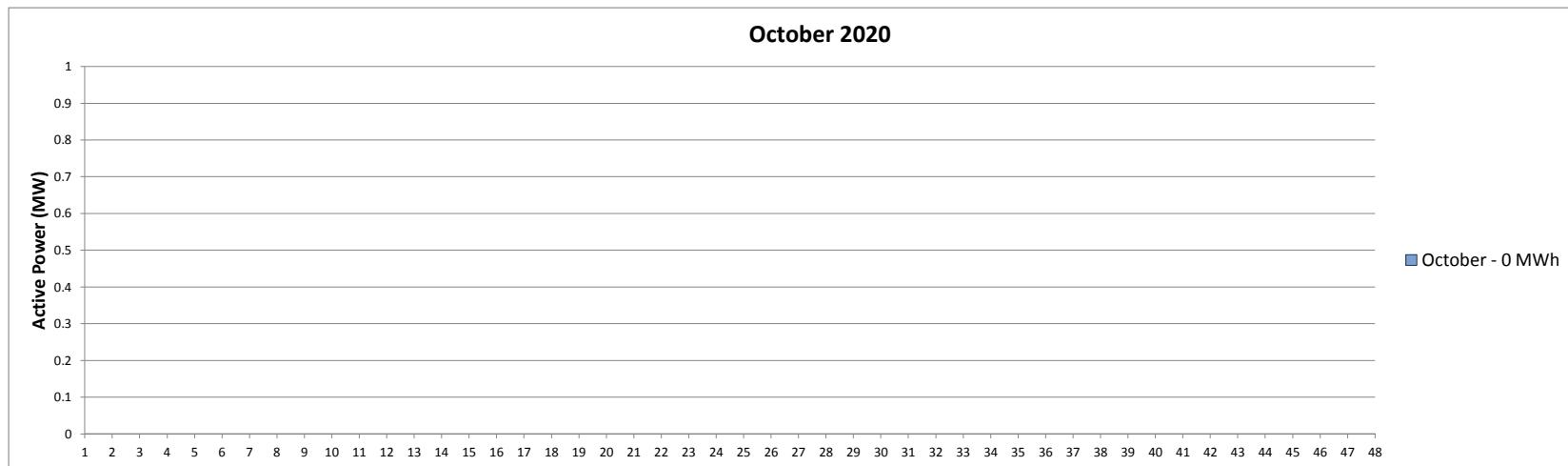
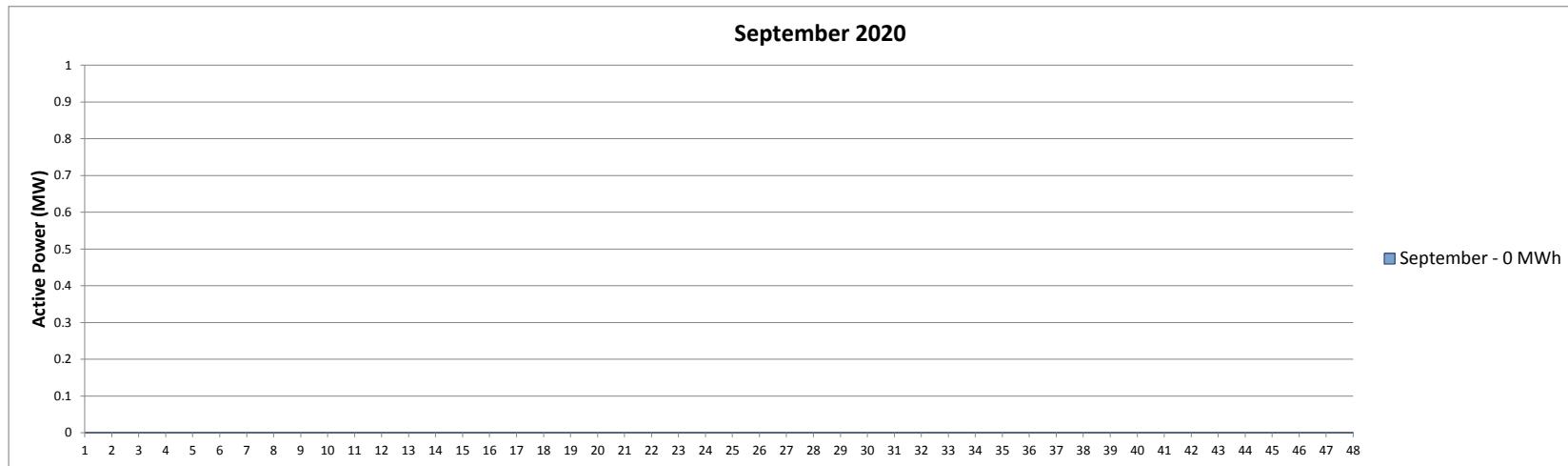




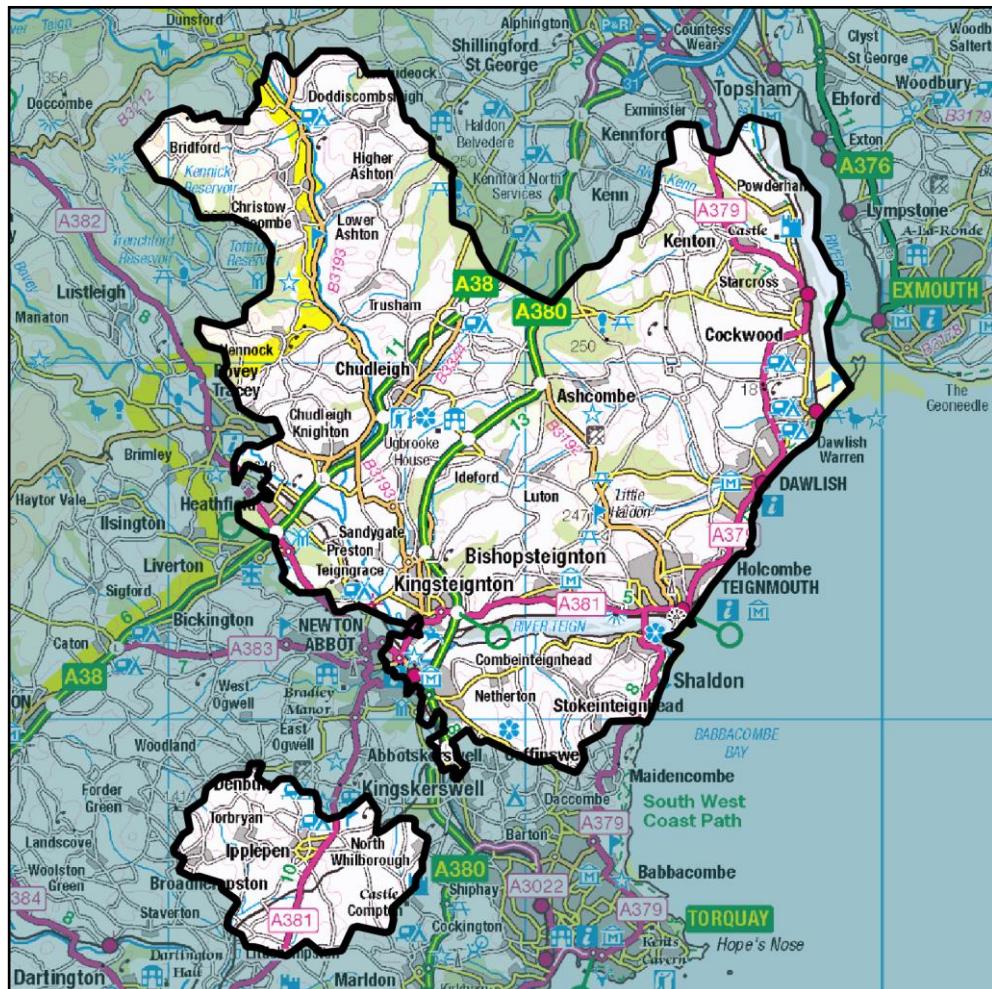




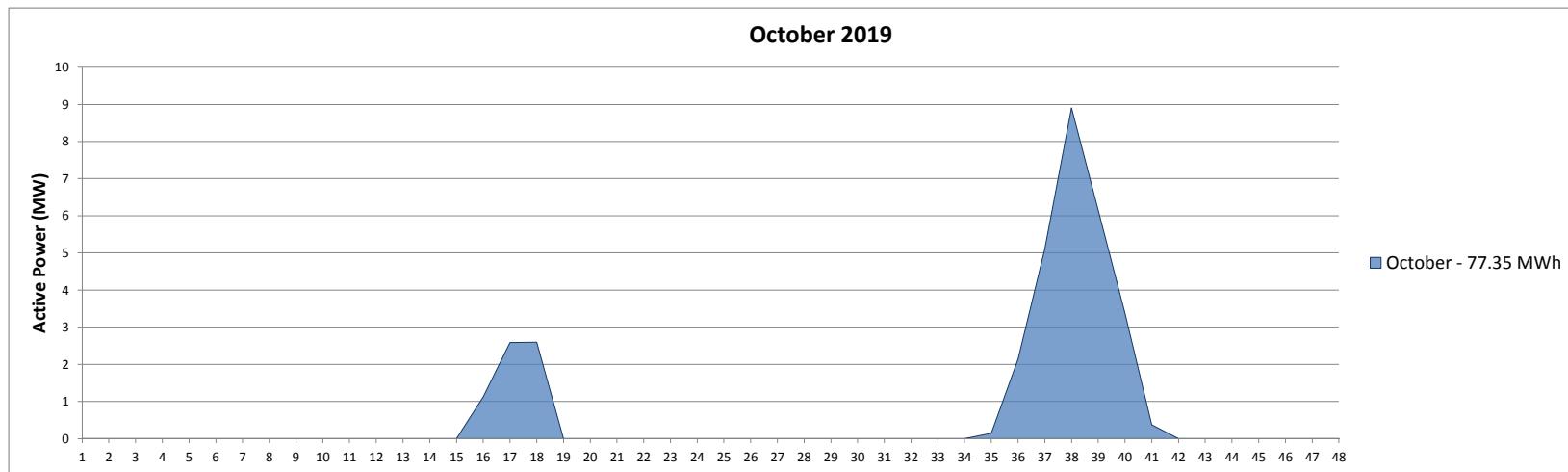
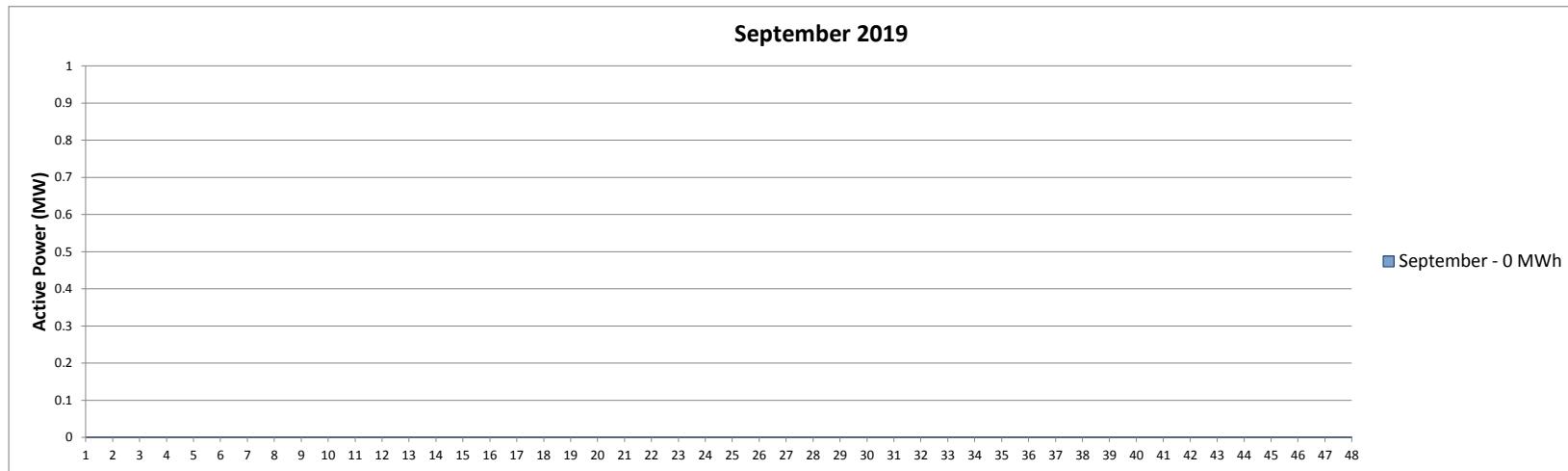


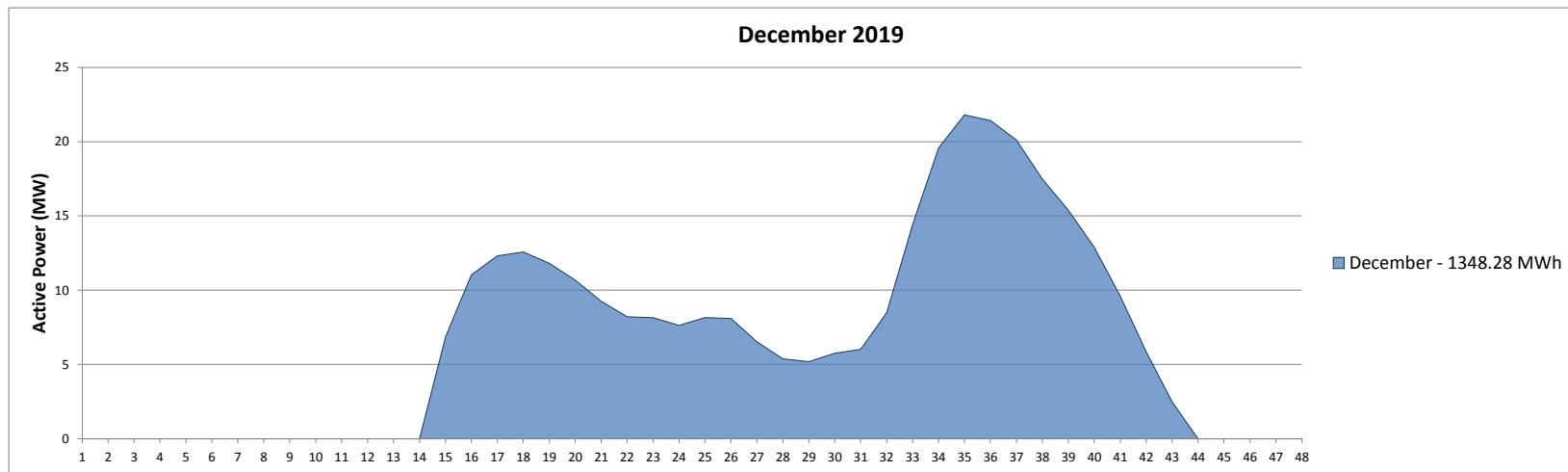
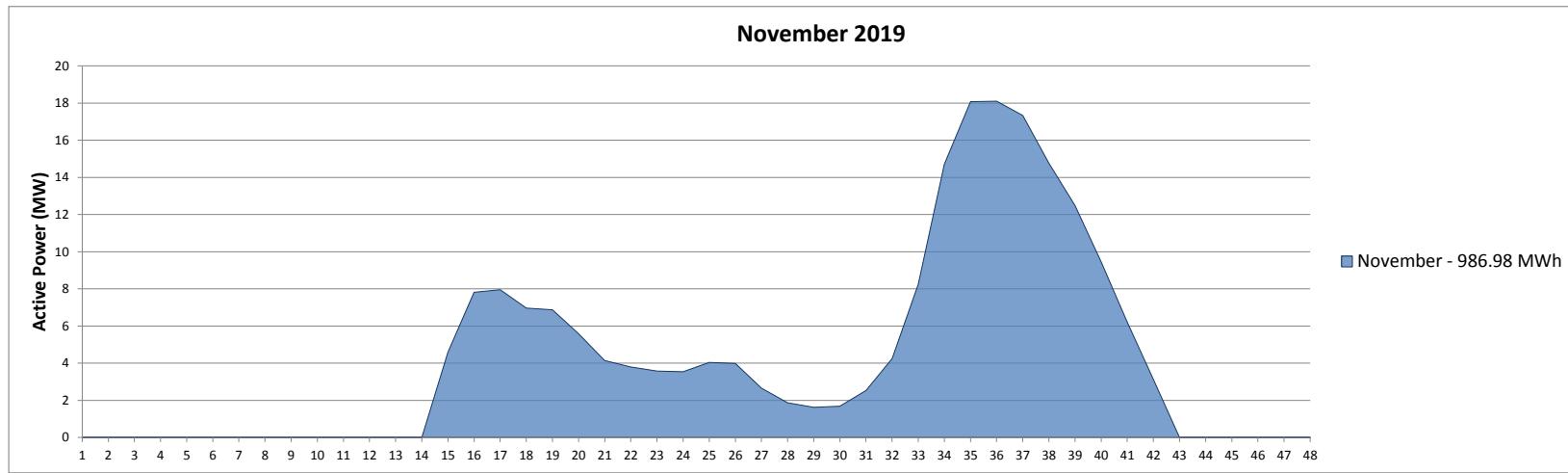


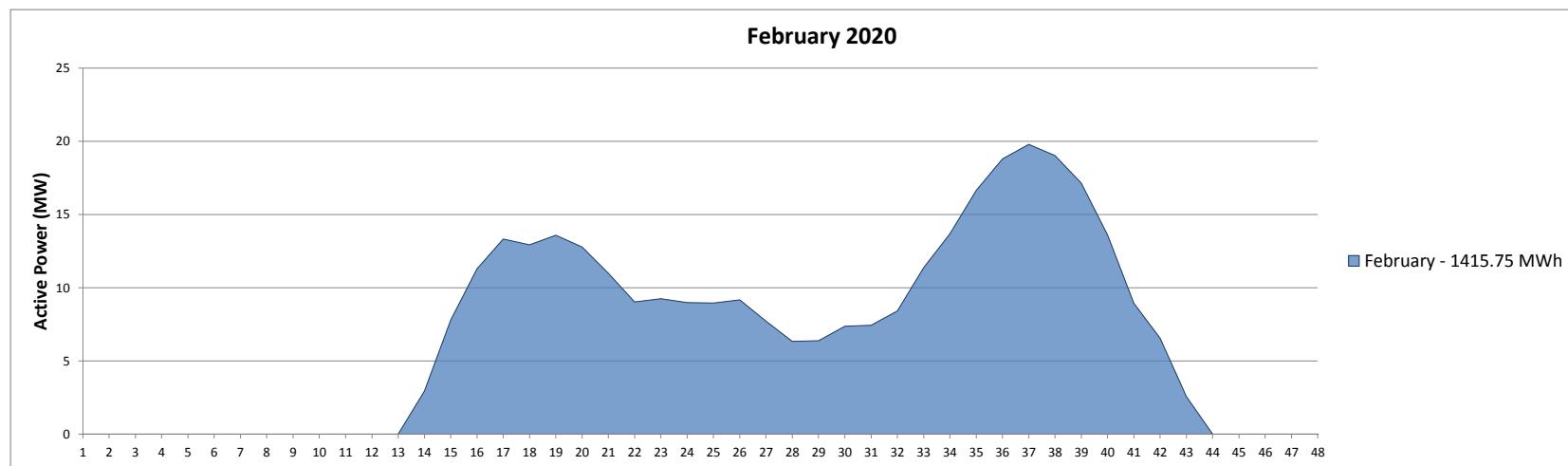
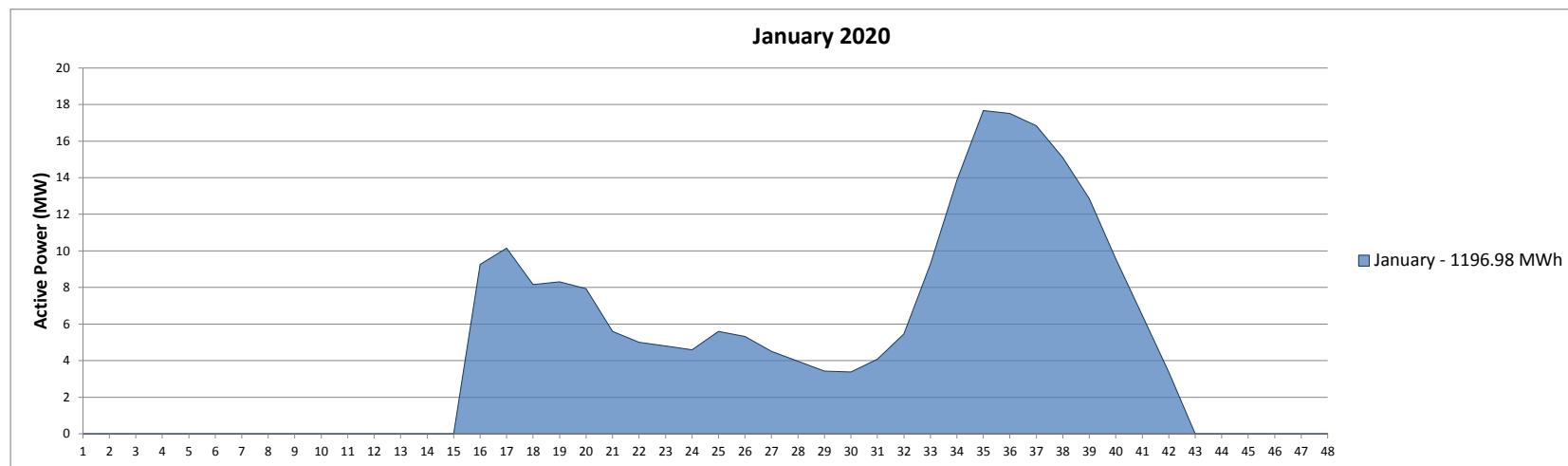
Flexibility Analysis Report for CMZ_T3_SWE_0003 - Newton Abbot

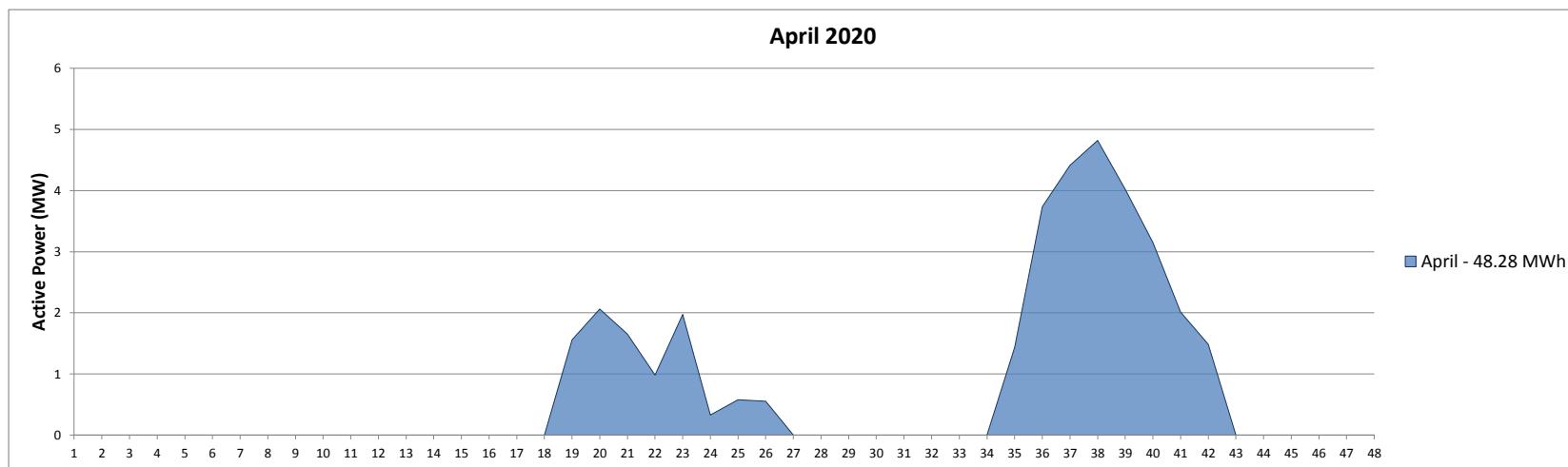
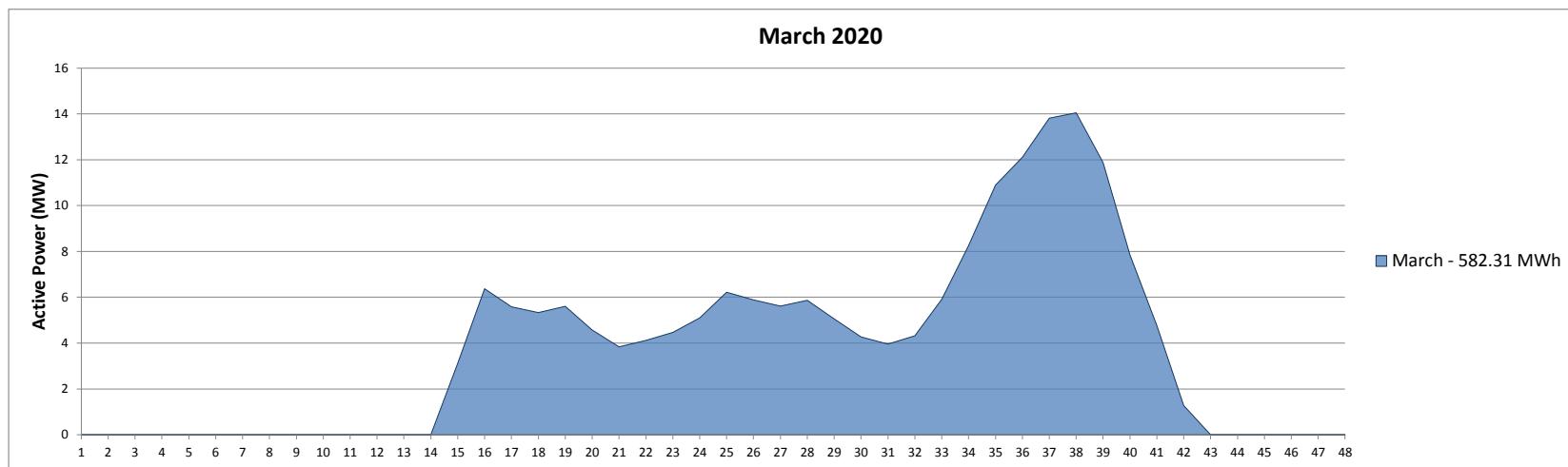


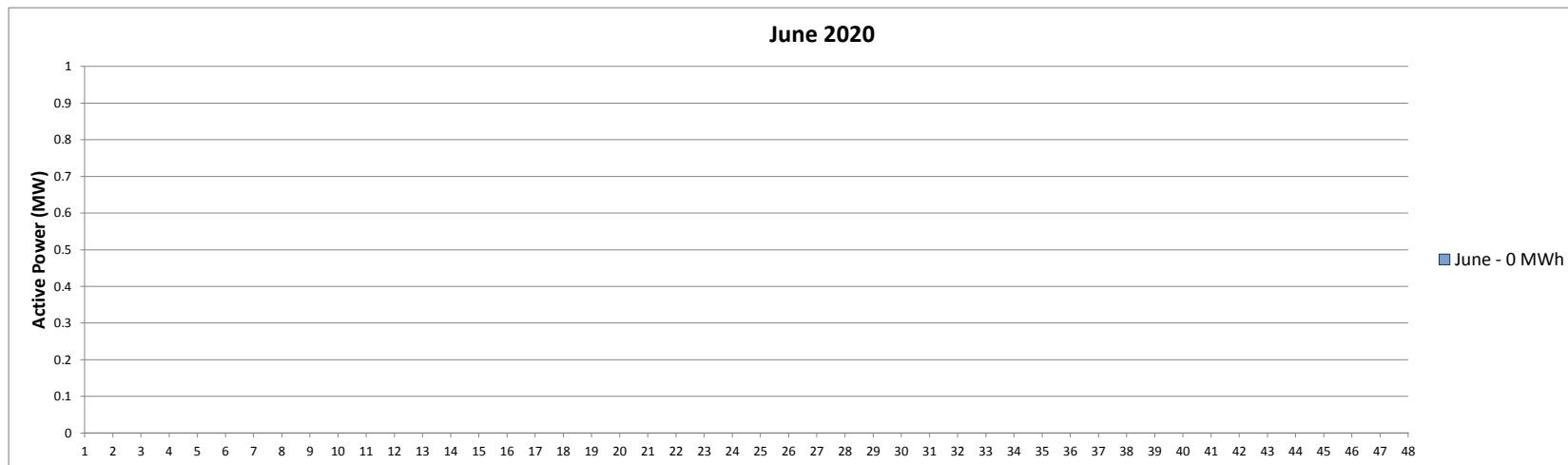
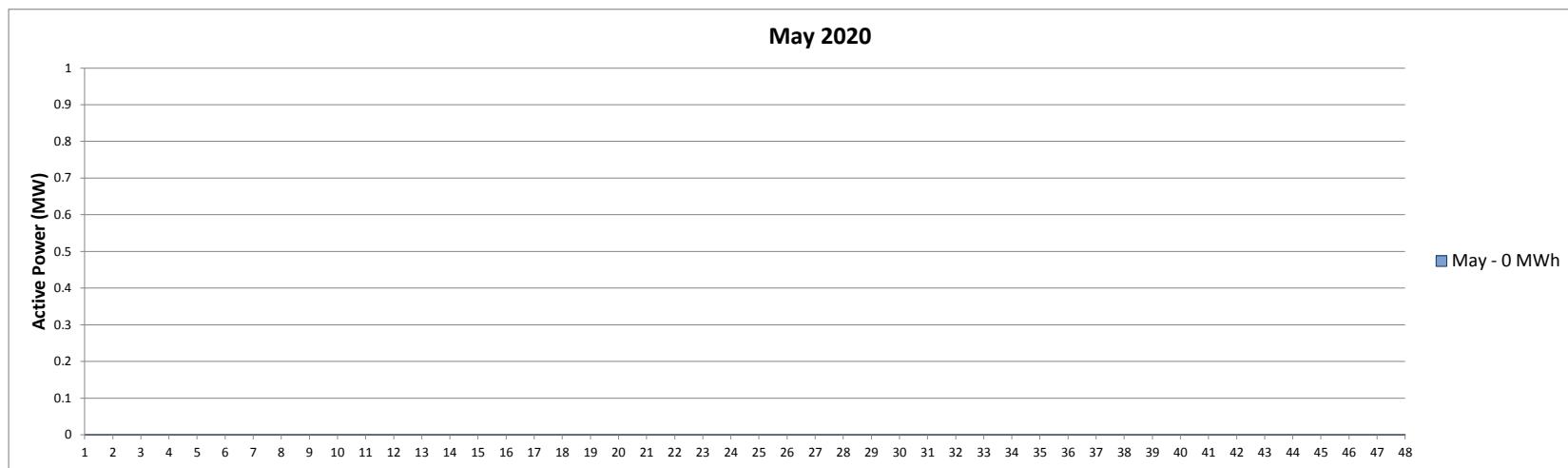
Products	Season	MW Peak
Dynamic	Winter	16.4

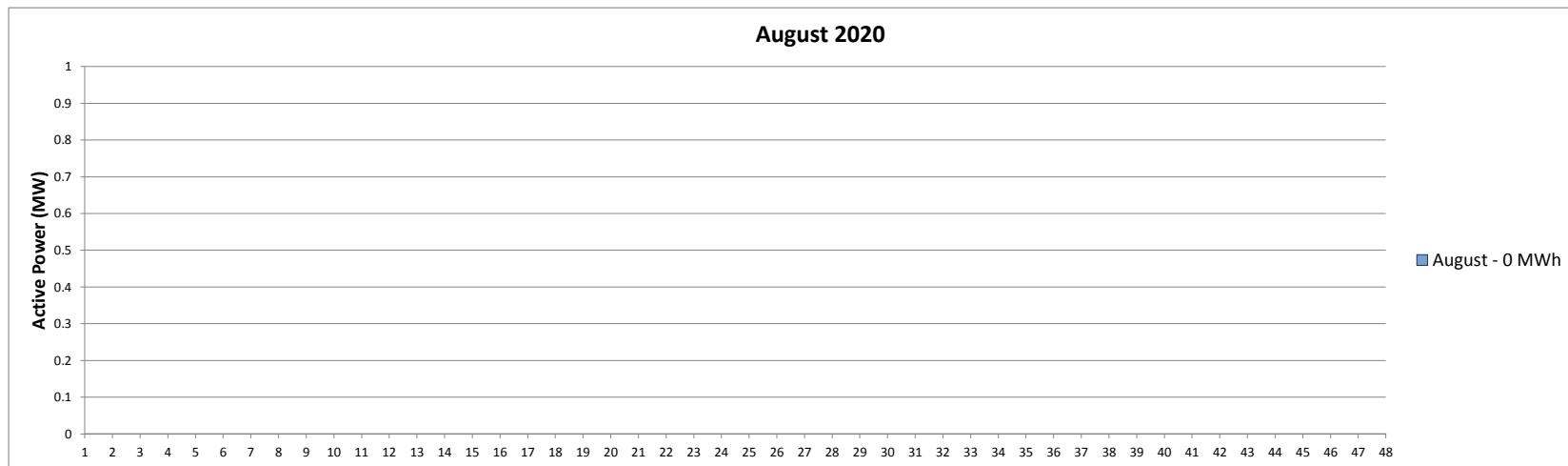
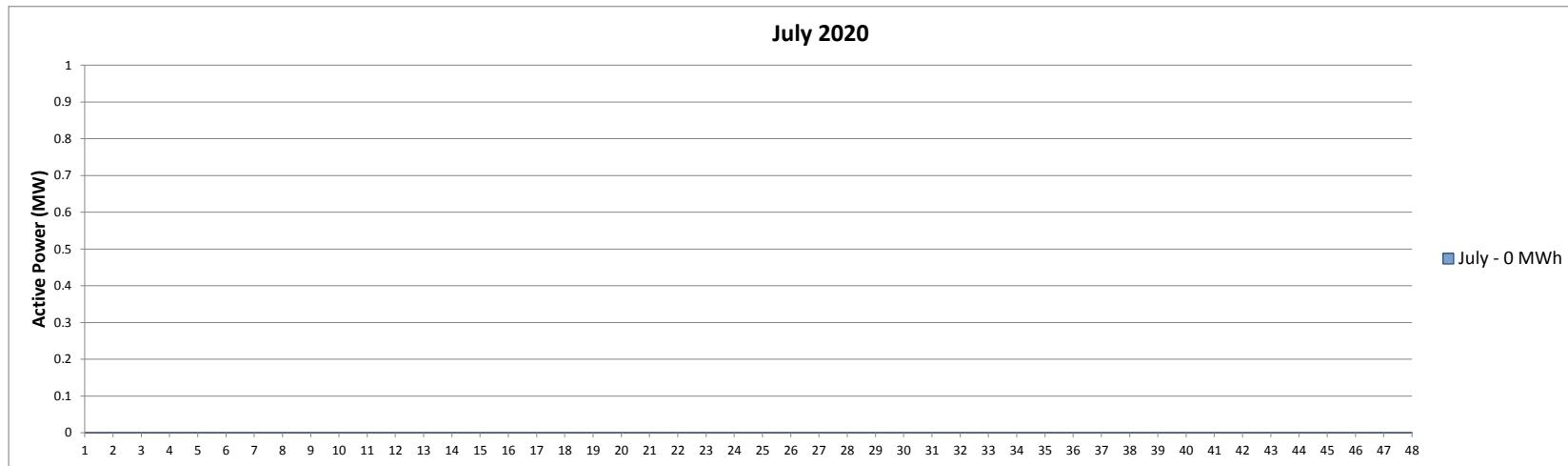


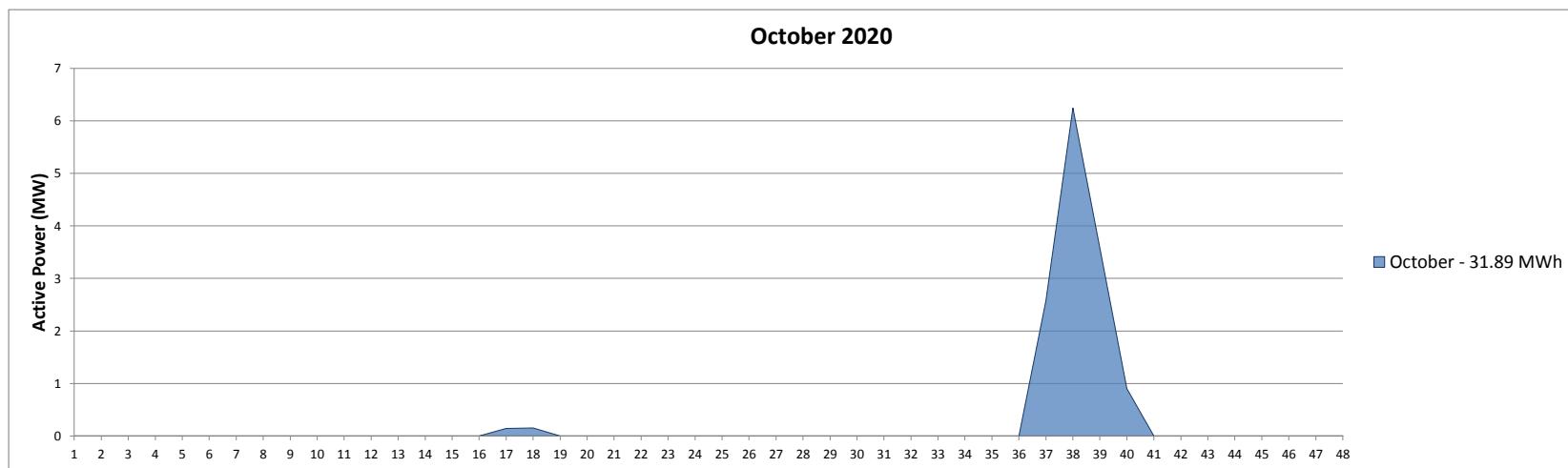
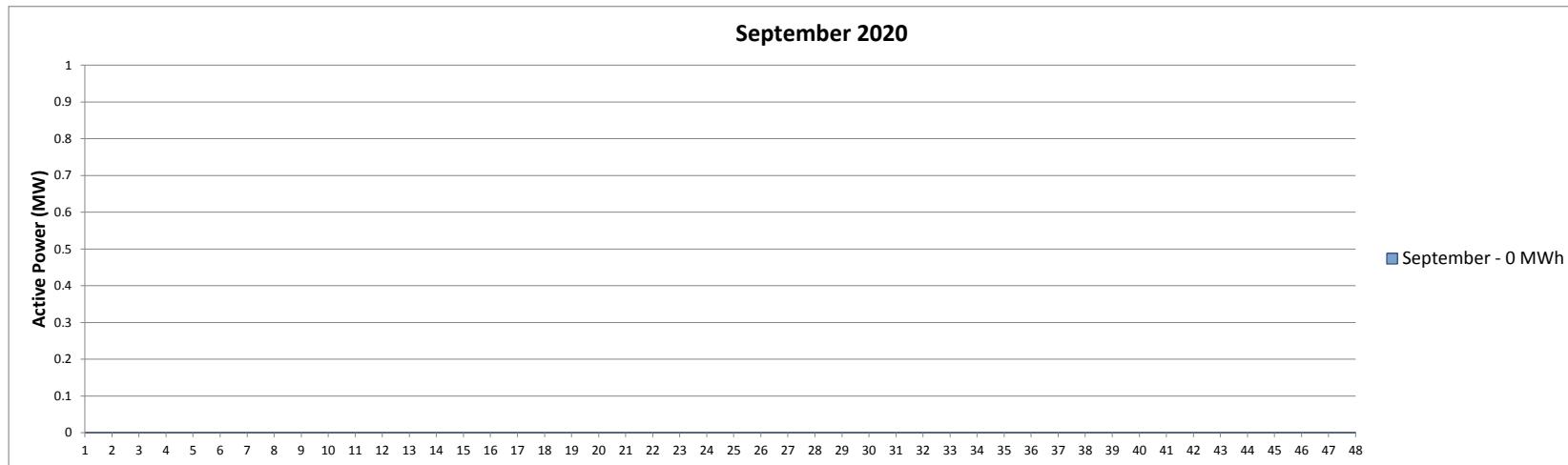




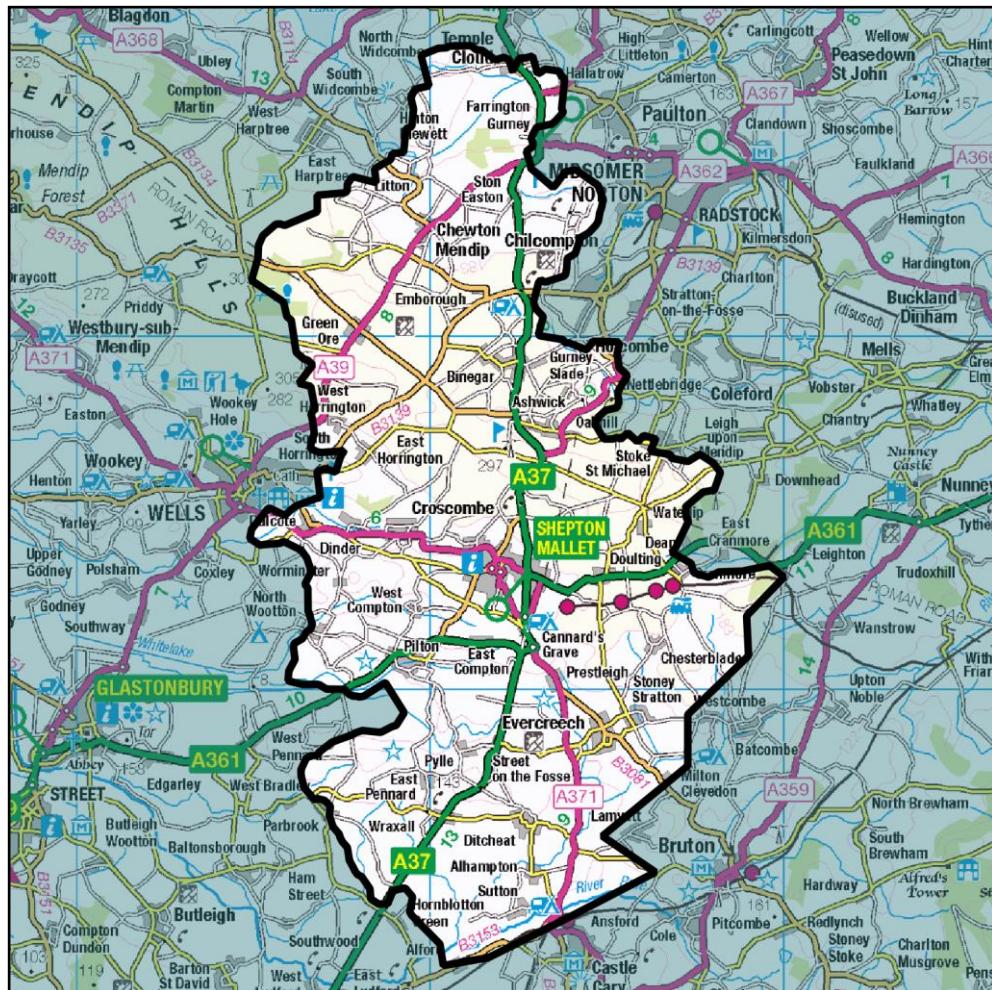




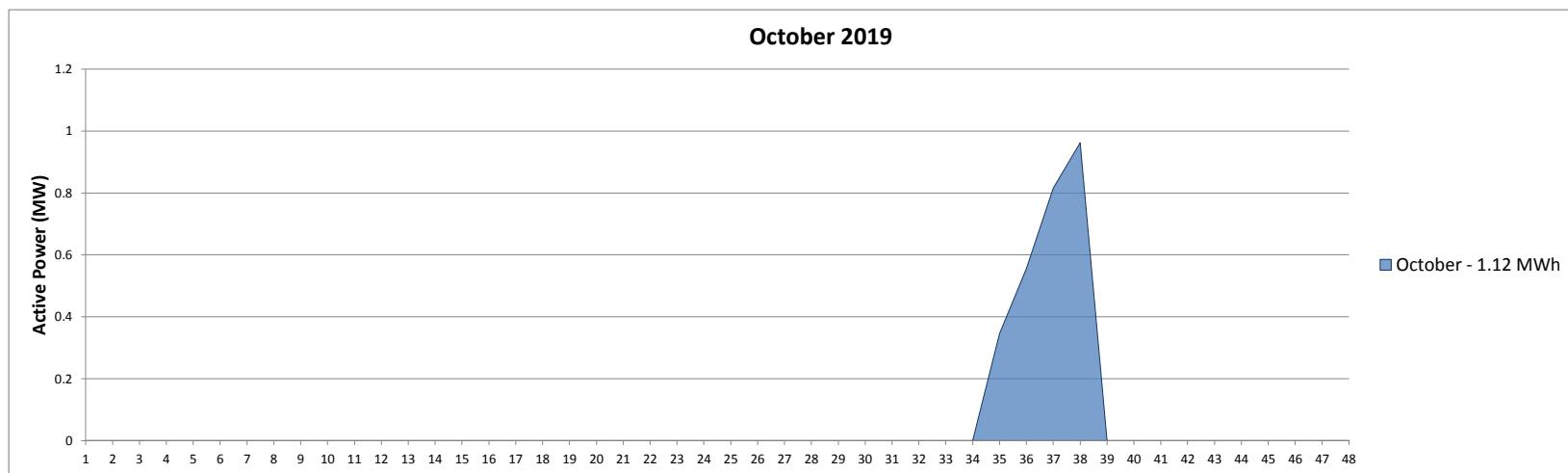
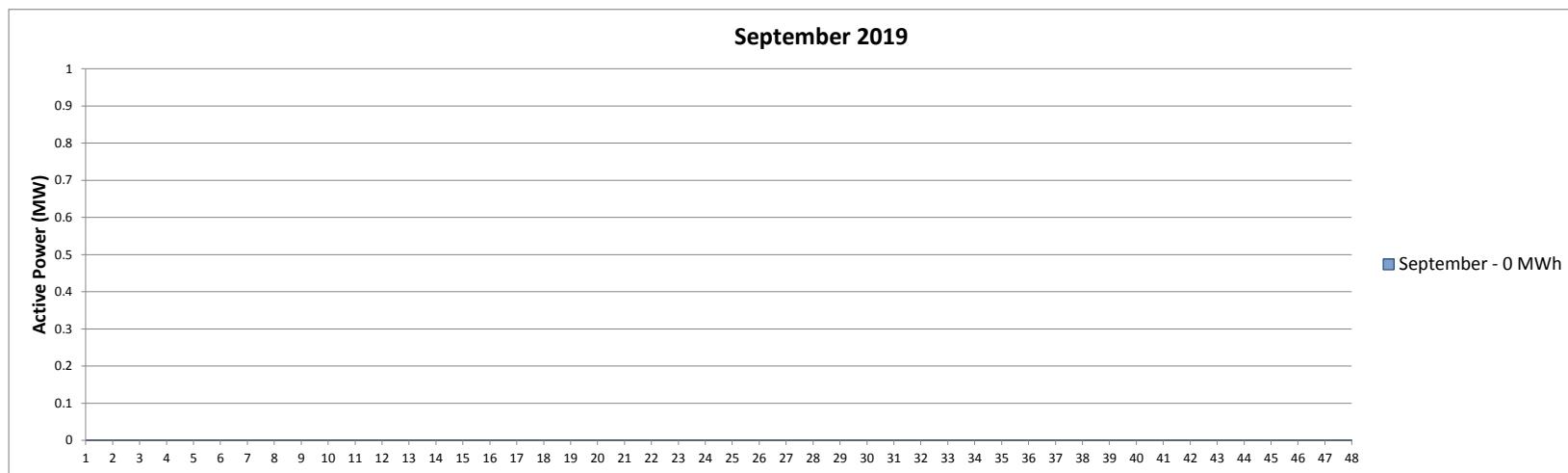


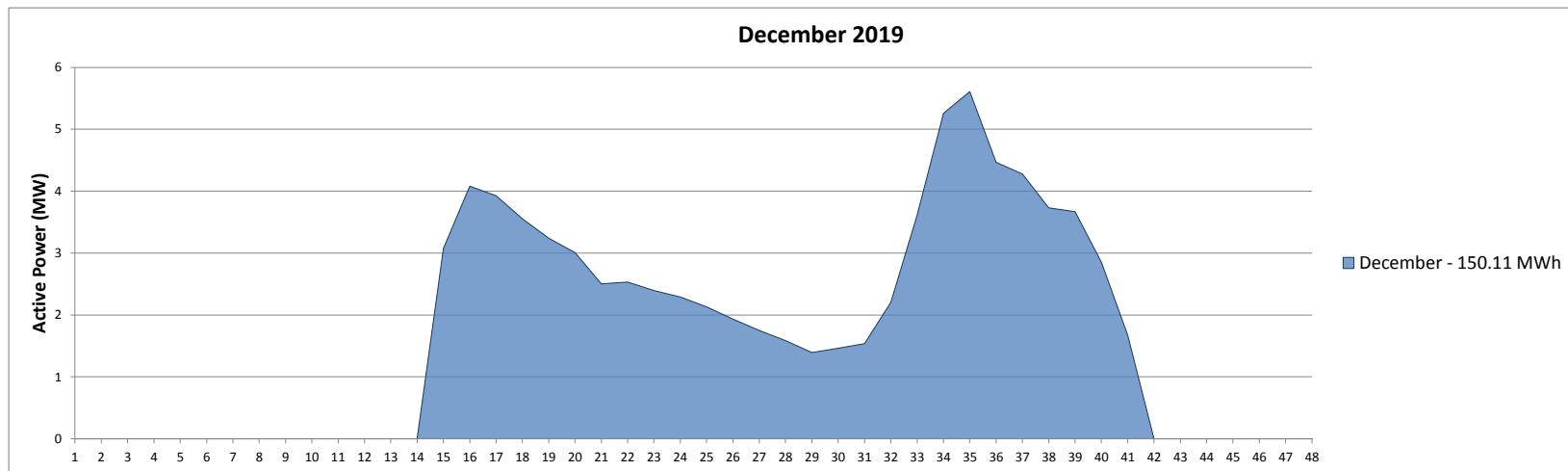
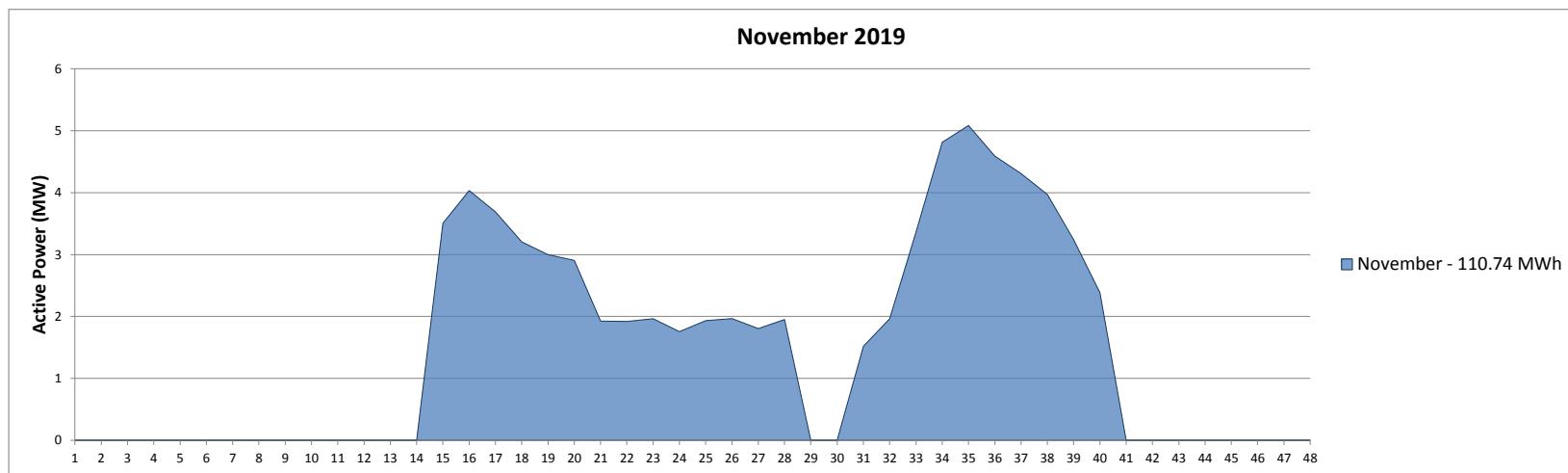


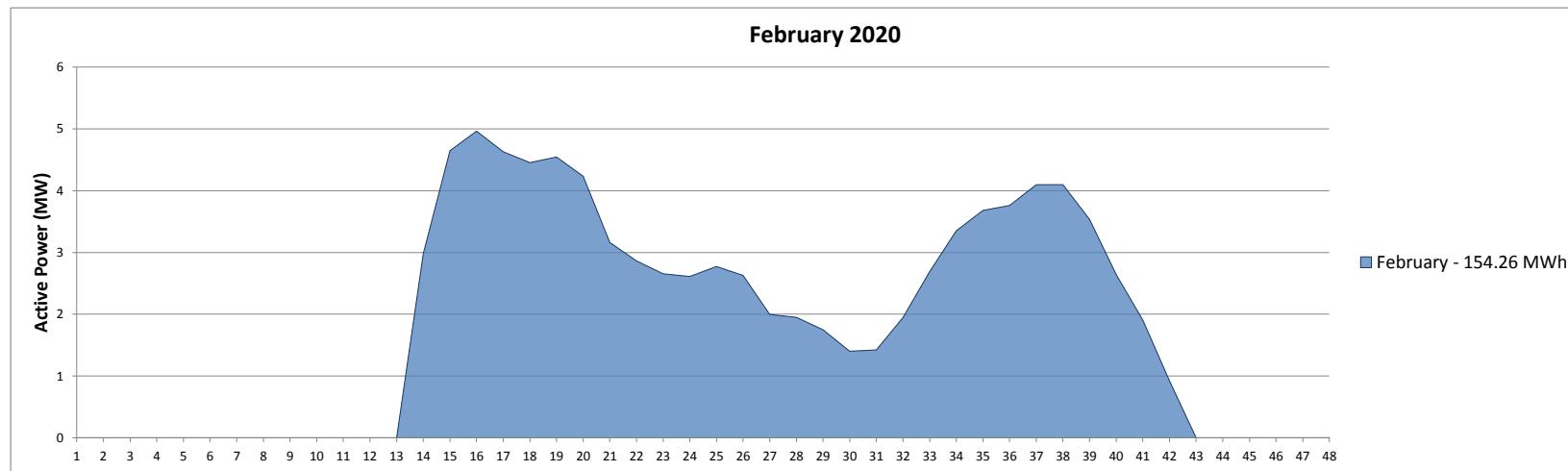
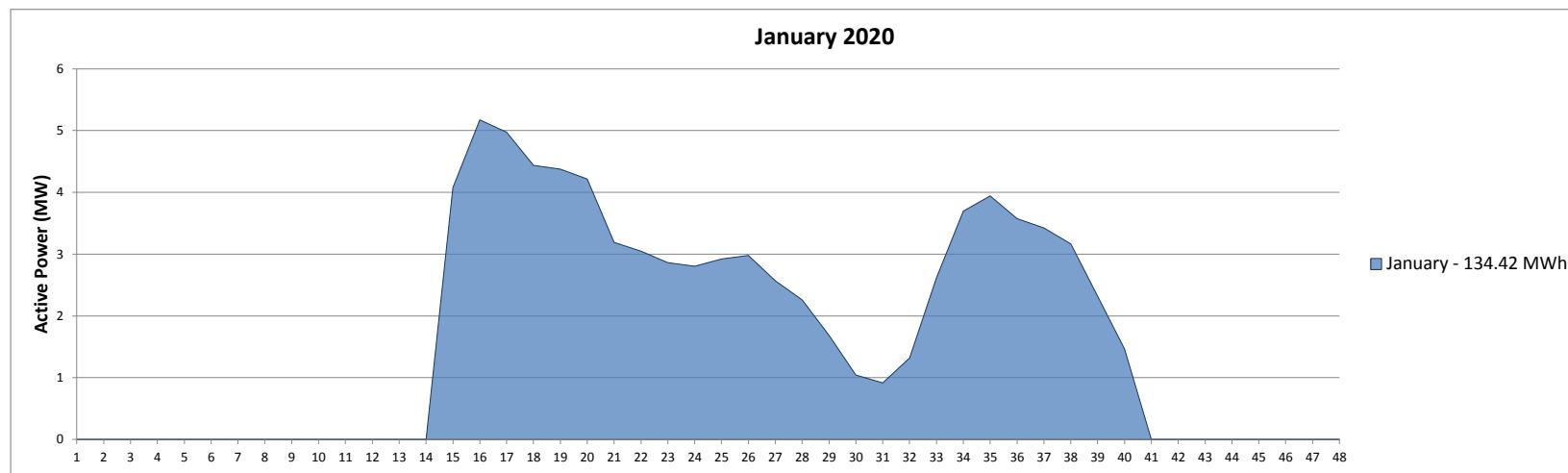
Flexibility Analysis Report for CMZ_T3_SWE_0004 - Radstock

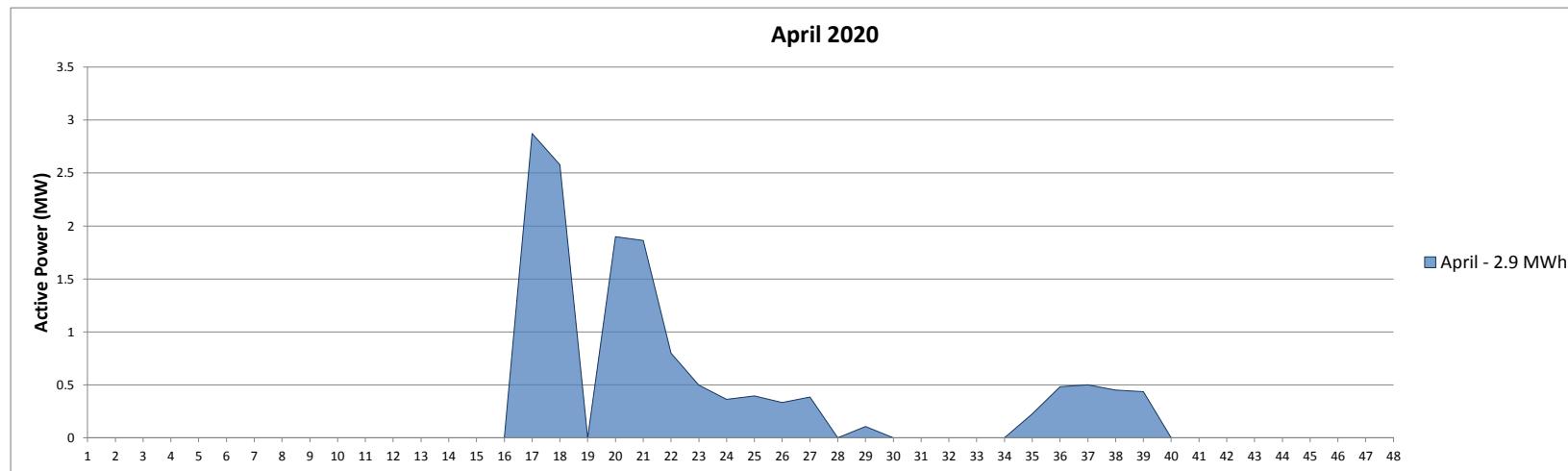
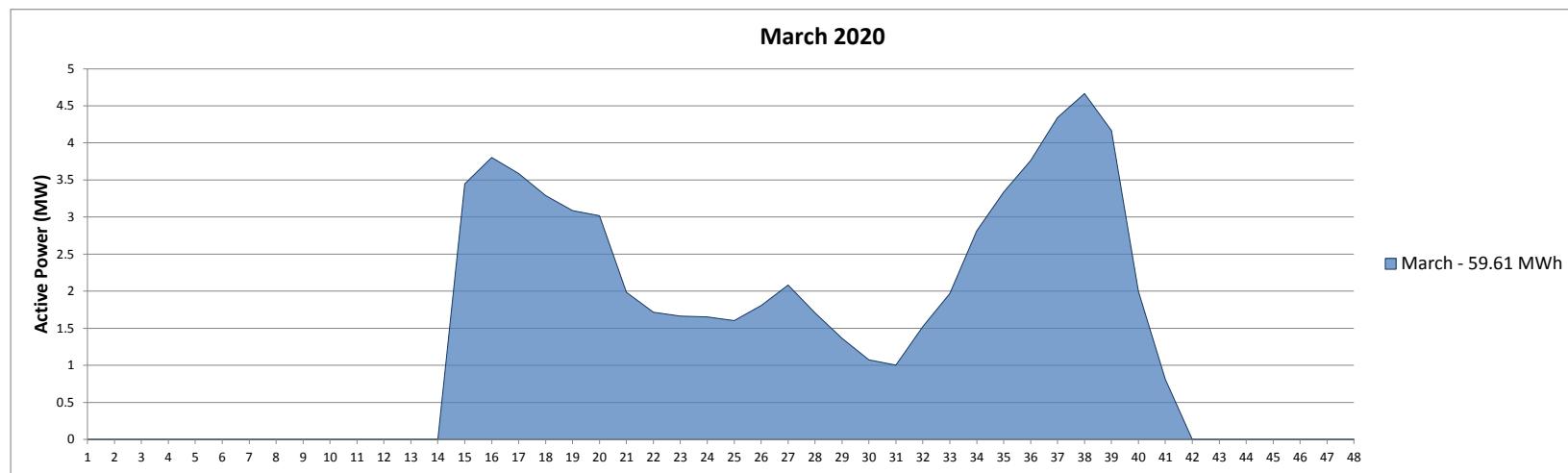


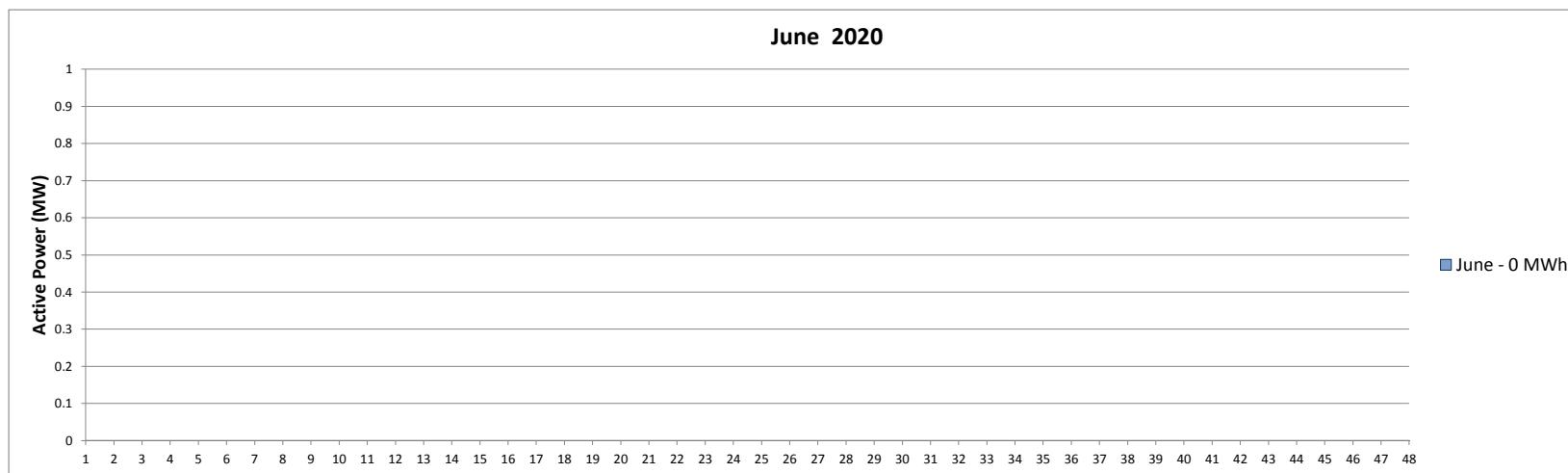
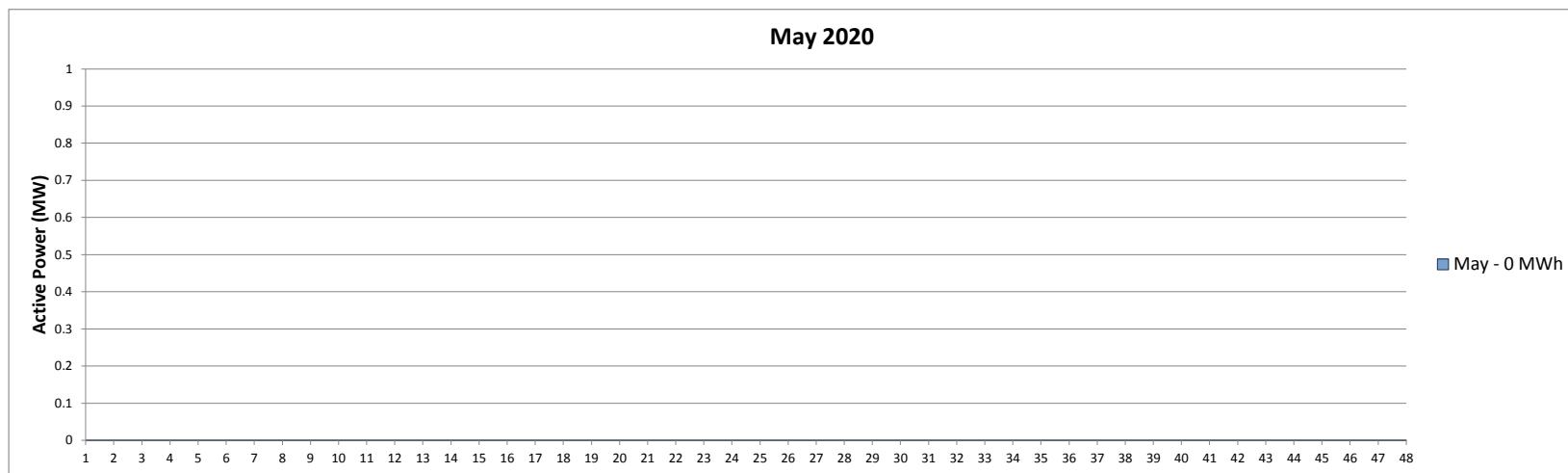
Products	Season	MW Peak
Dynamic	Winter	4

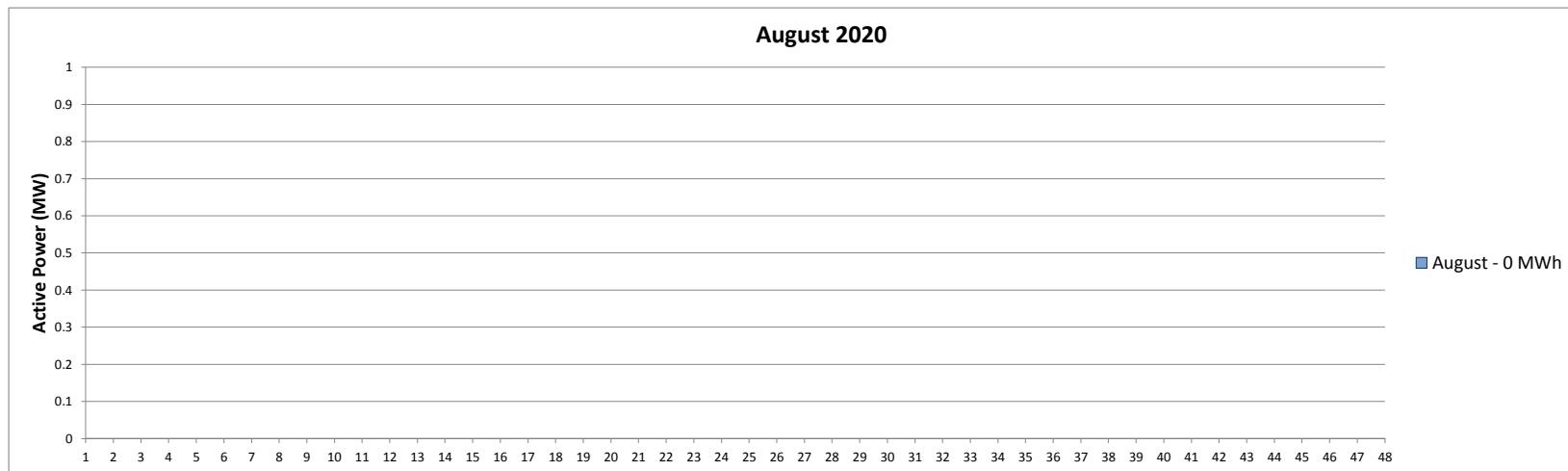
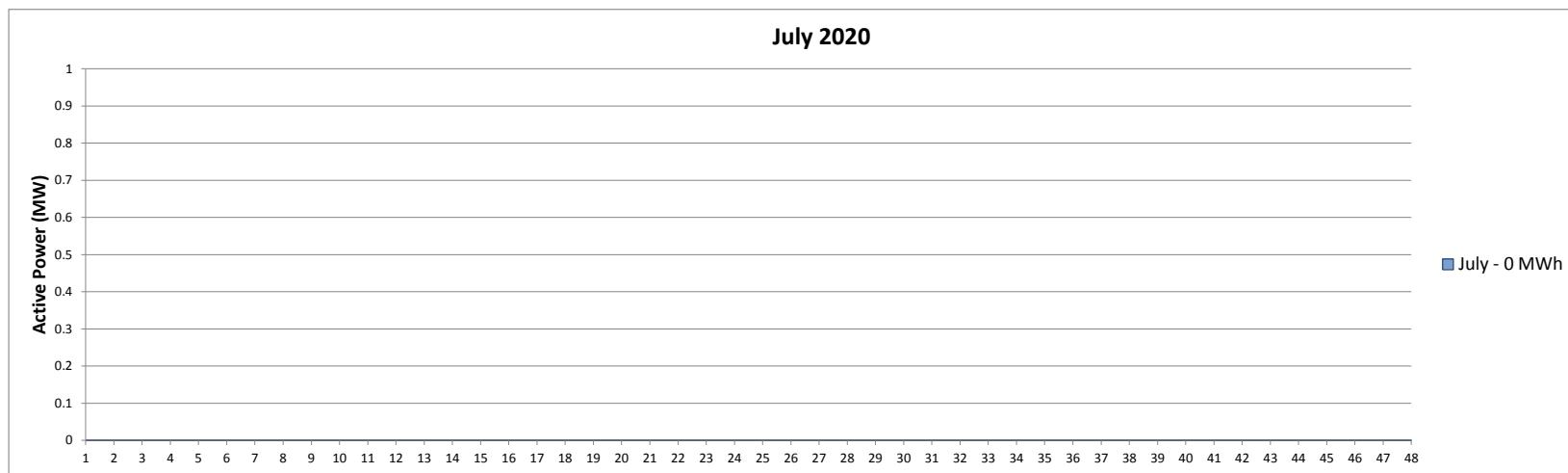


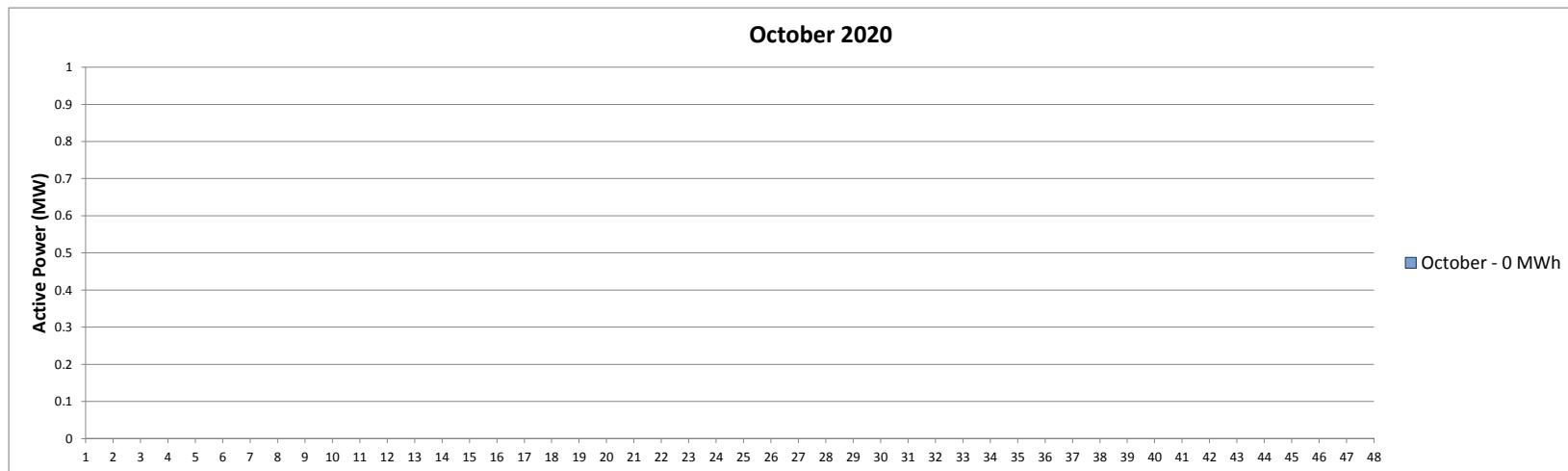
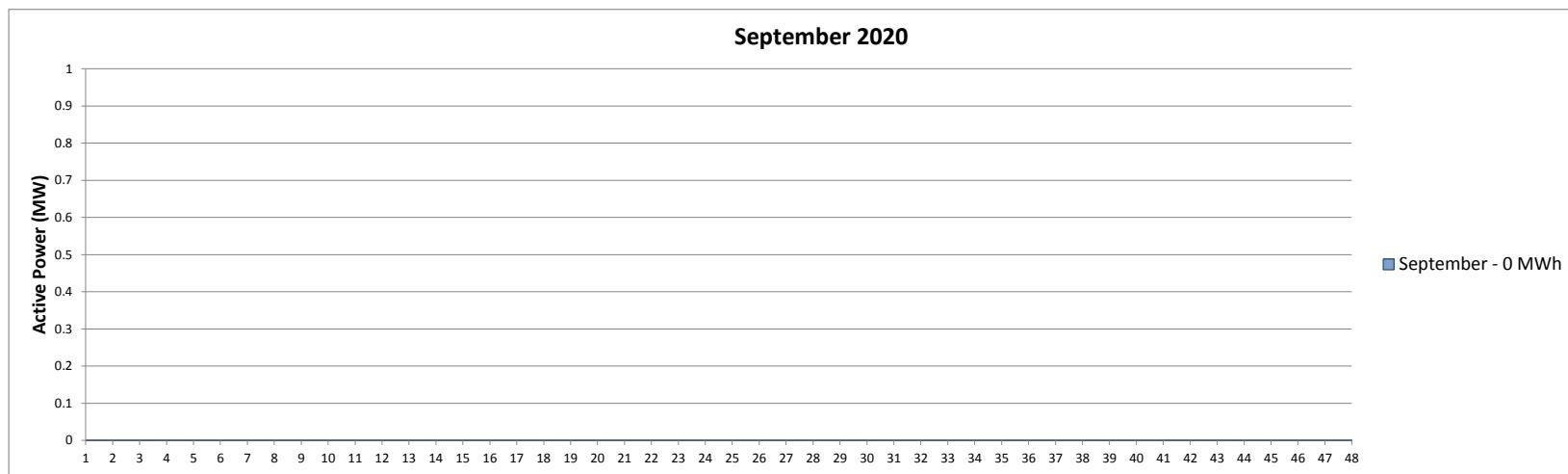




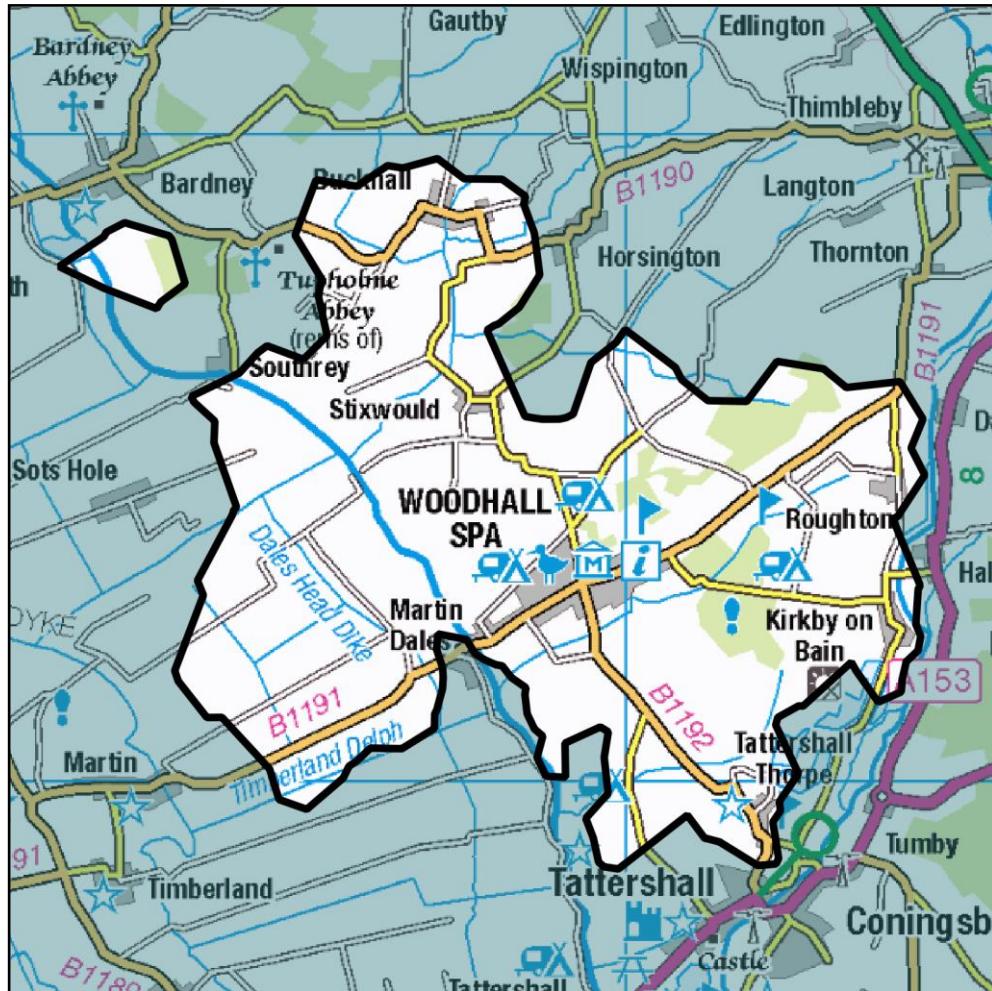




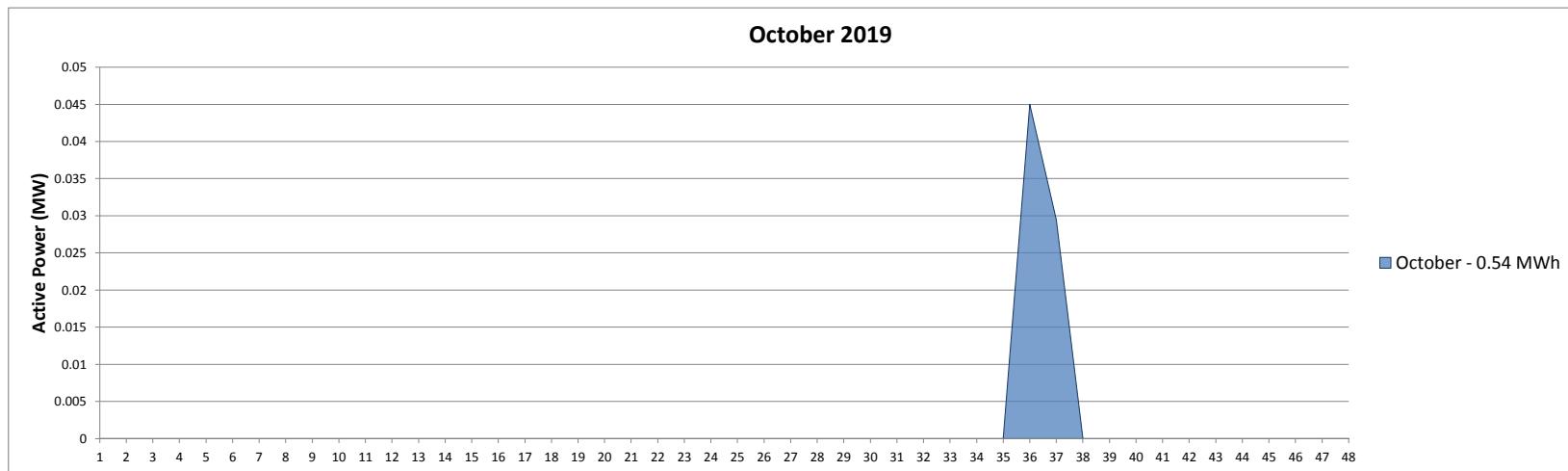
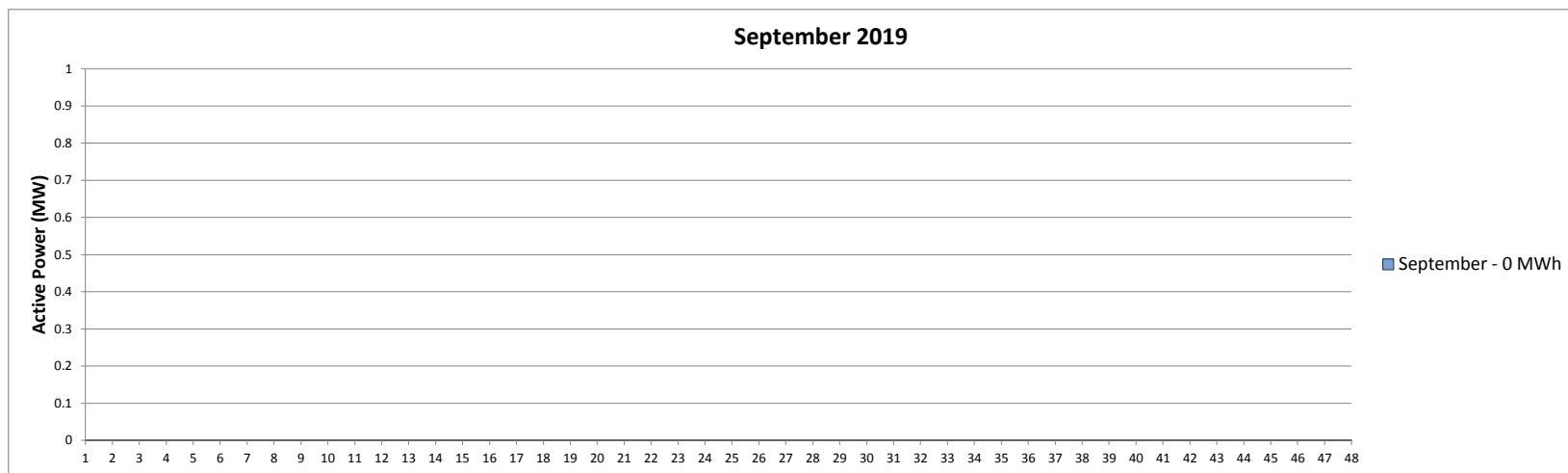


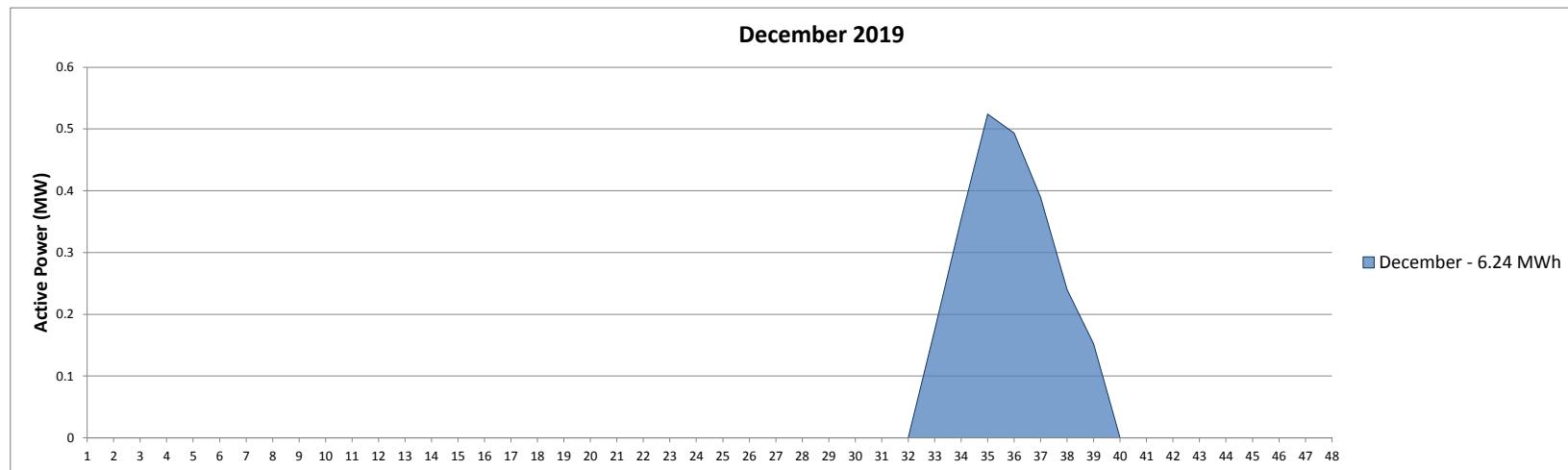
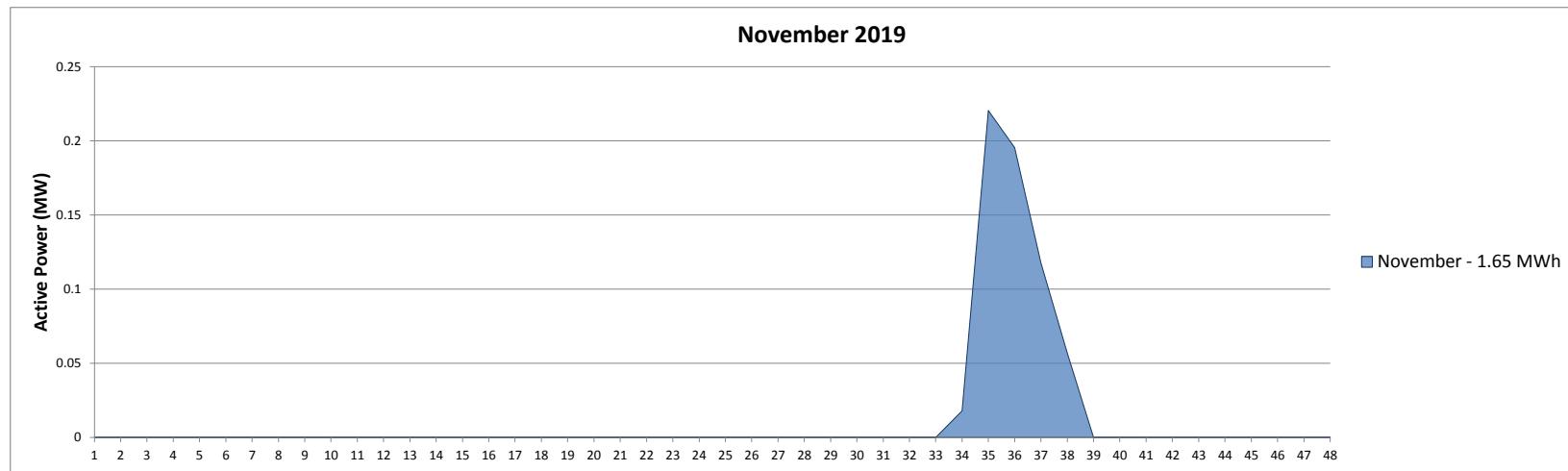


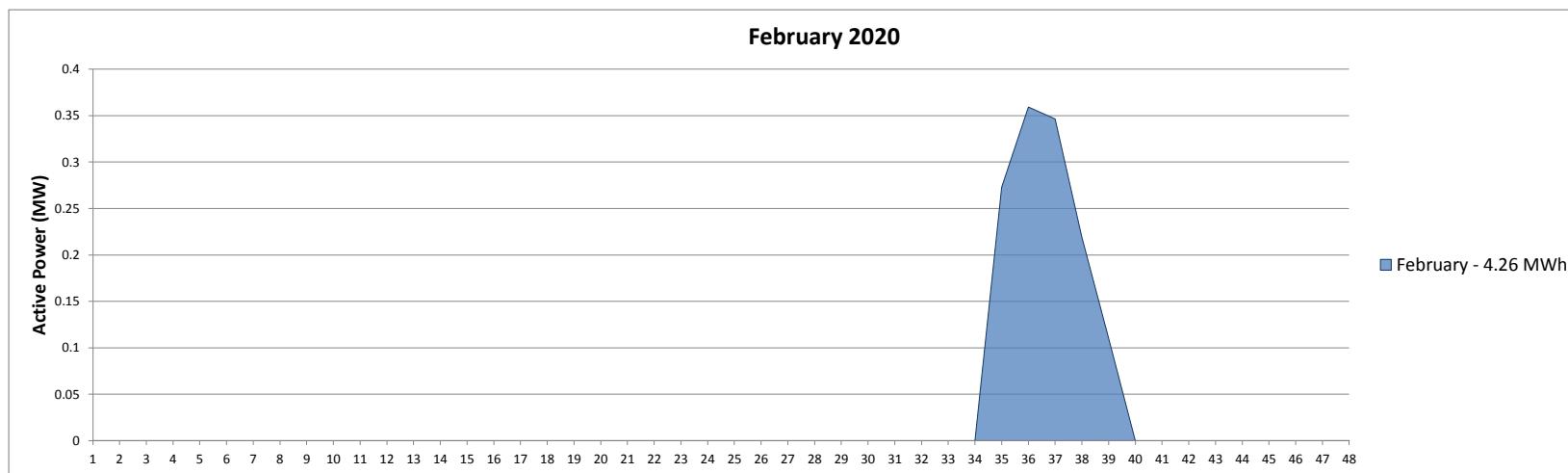
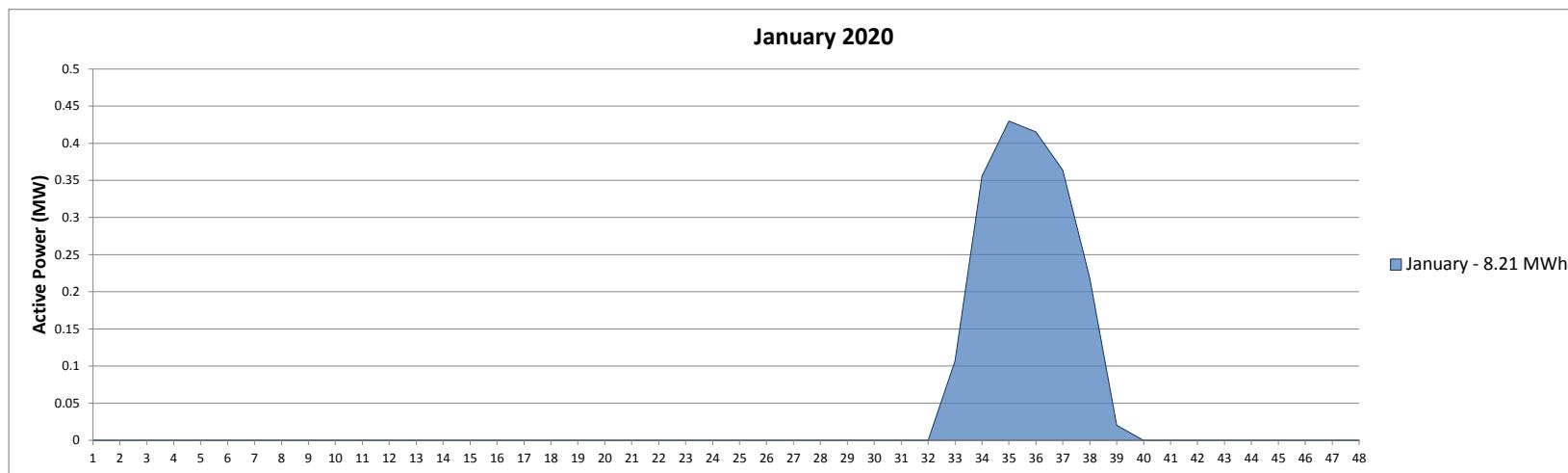
Flexibility Analysis Report for CMZ_T3_EM_0003 - Woodhall Spa

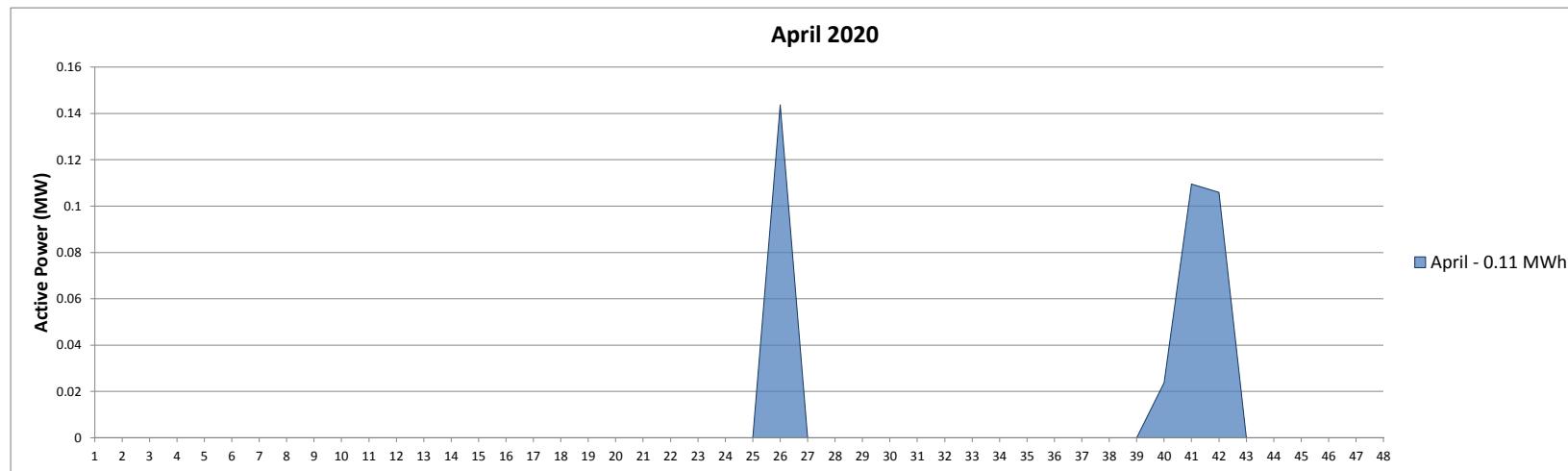
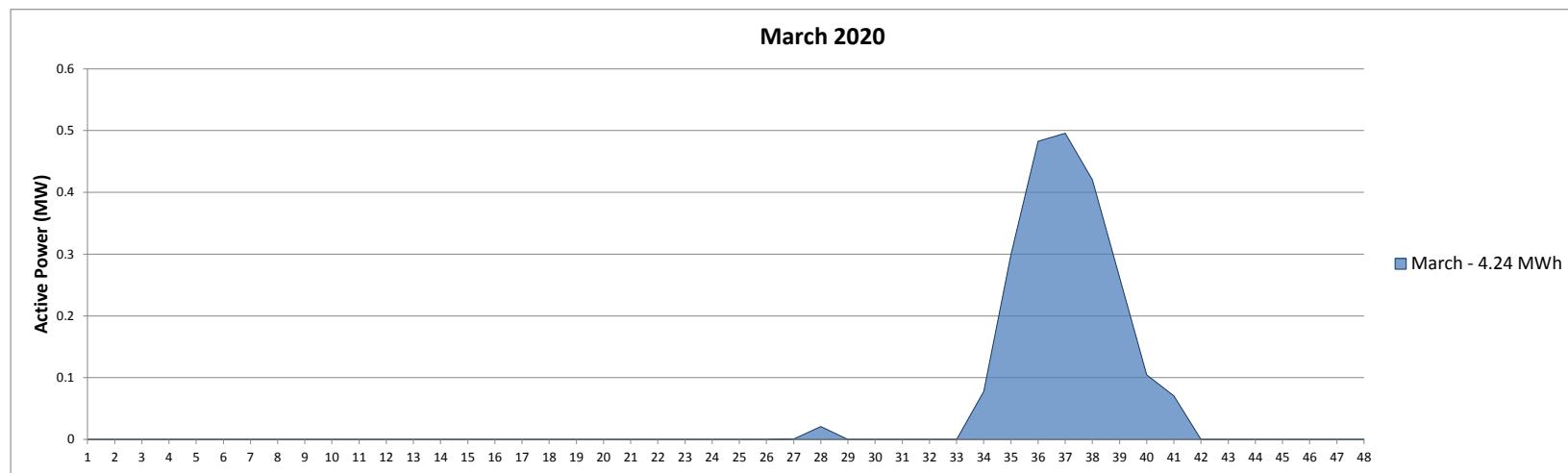


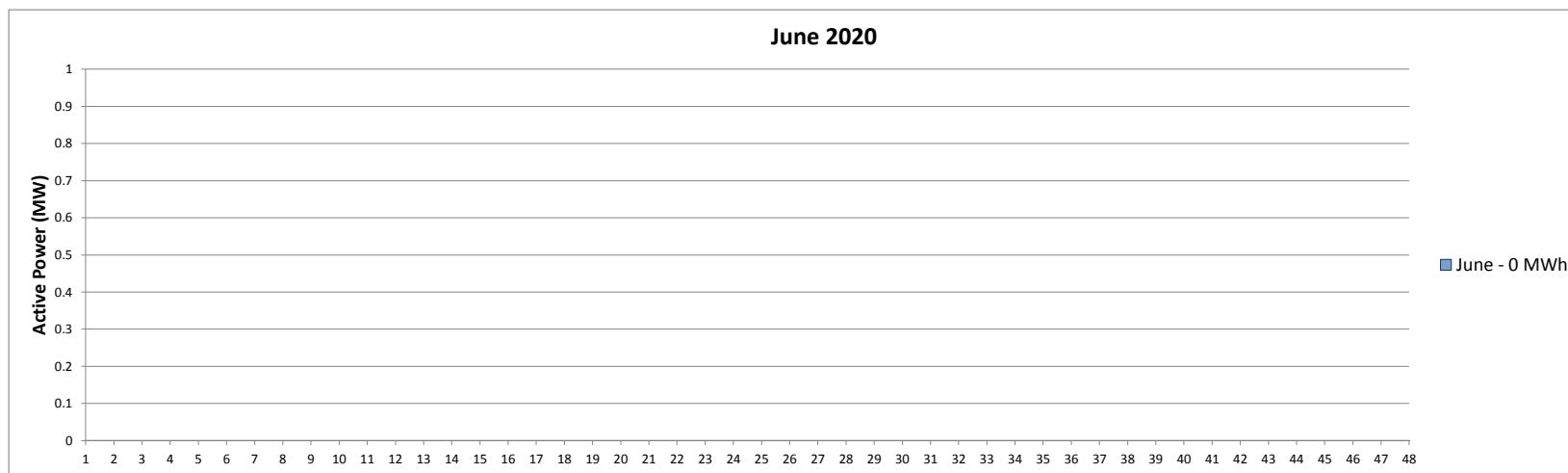
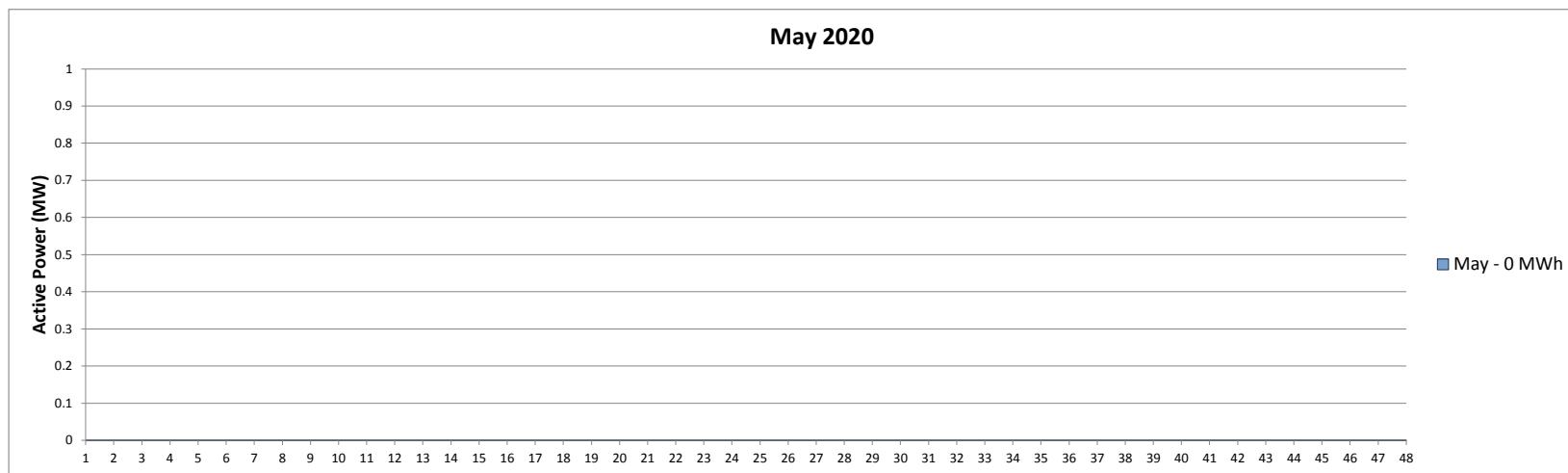
Products	Season	MW Peak
Secure	Winter	0.5

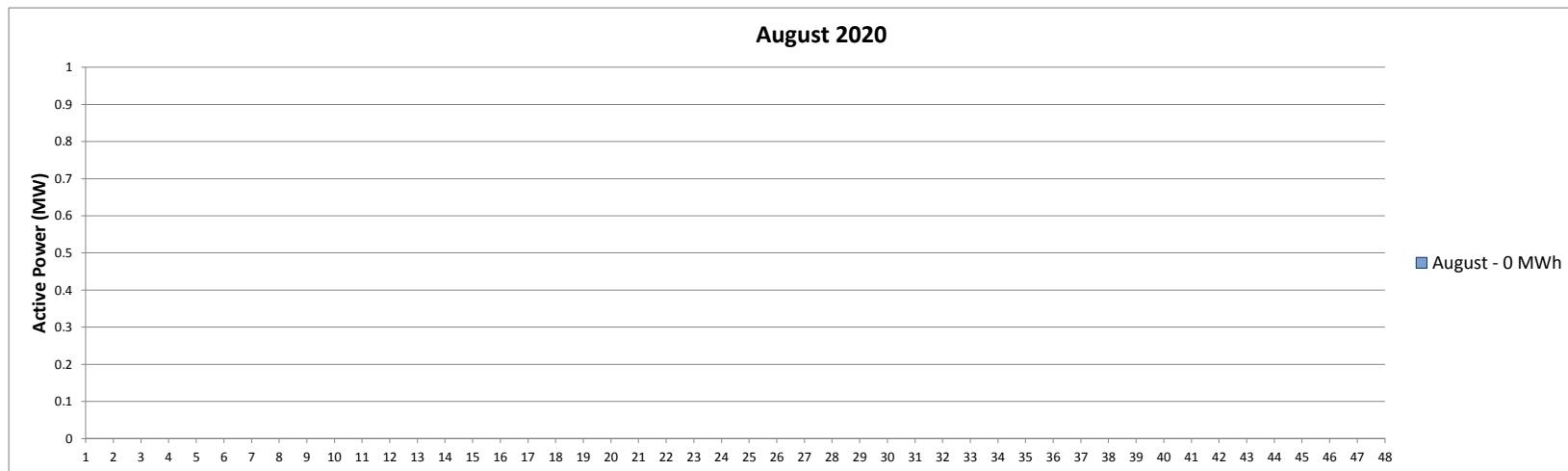
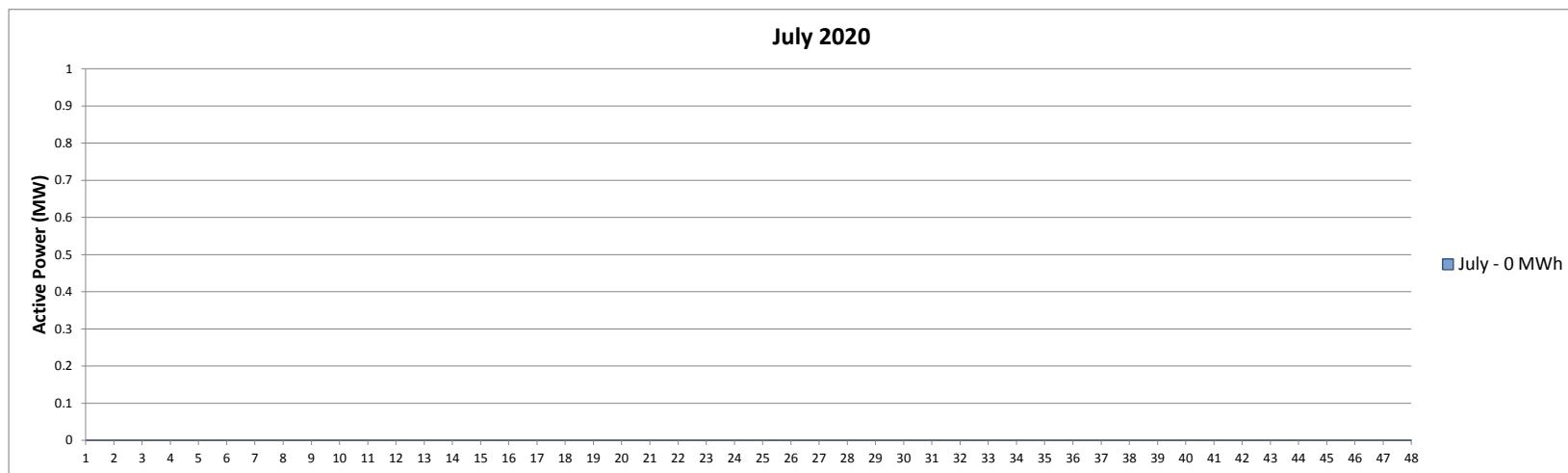


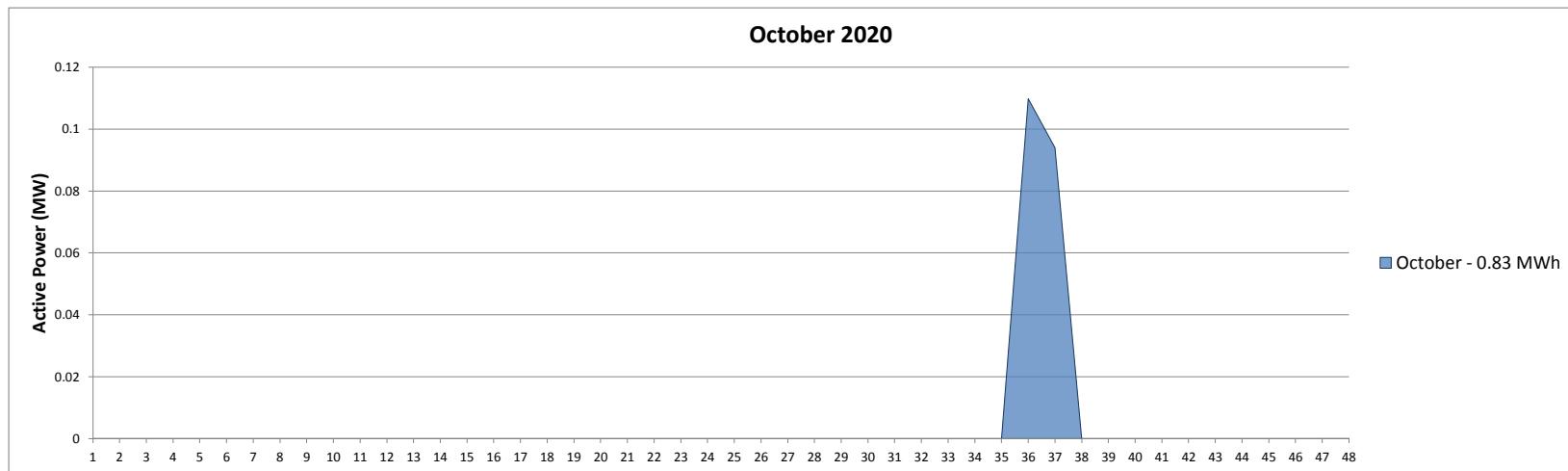
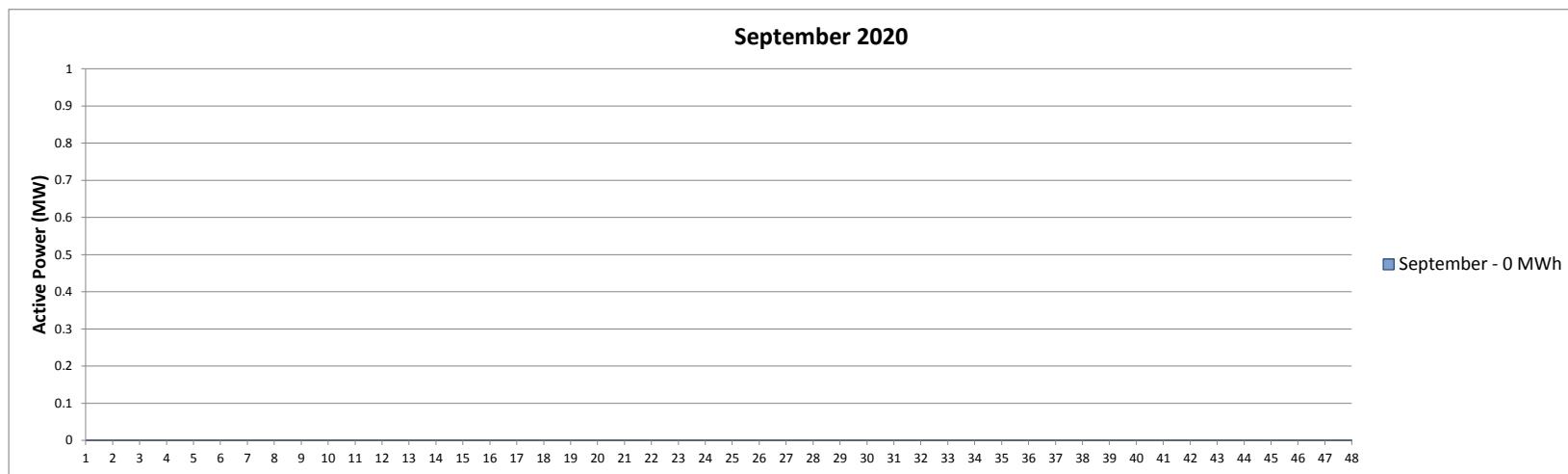




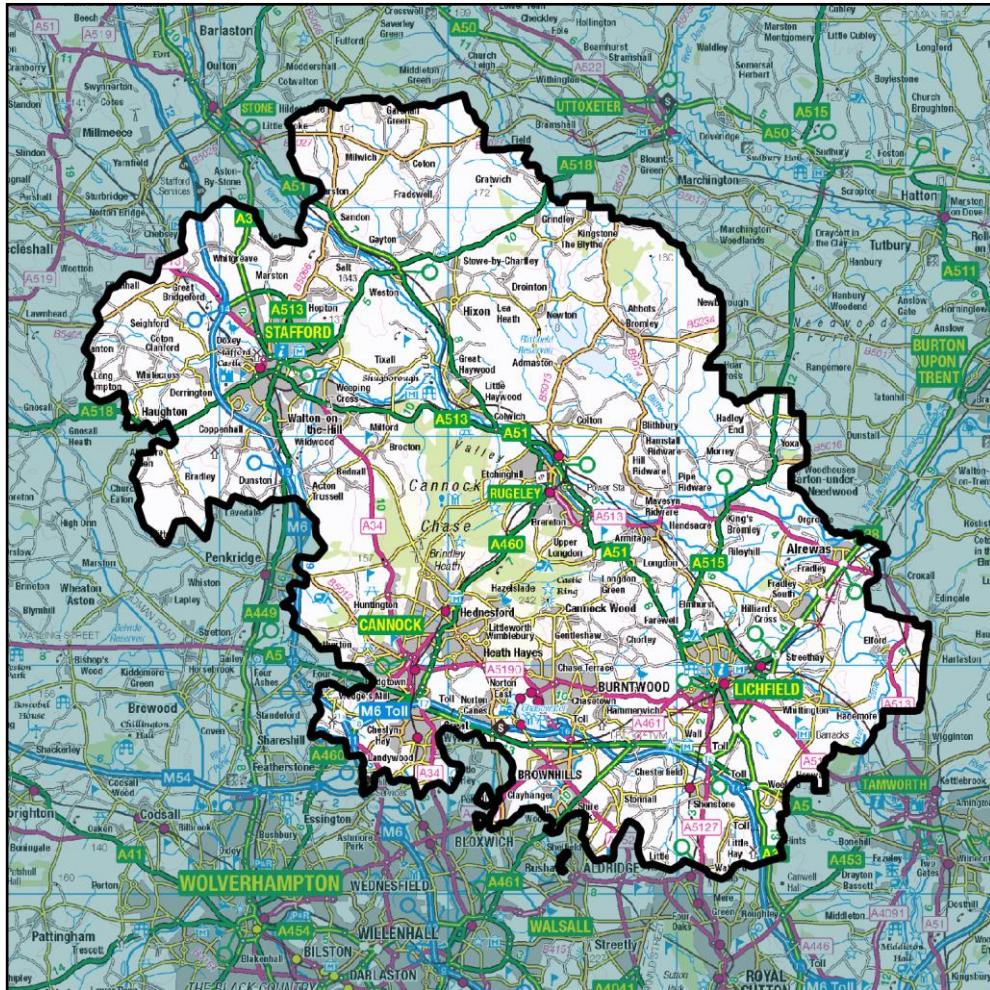




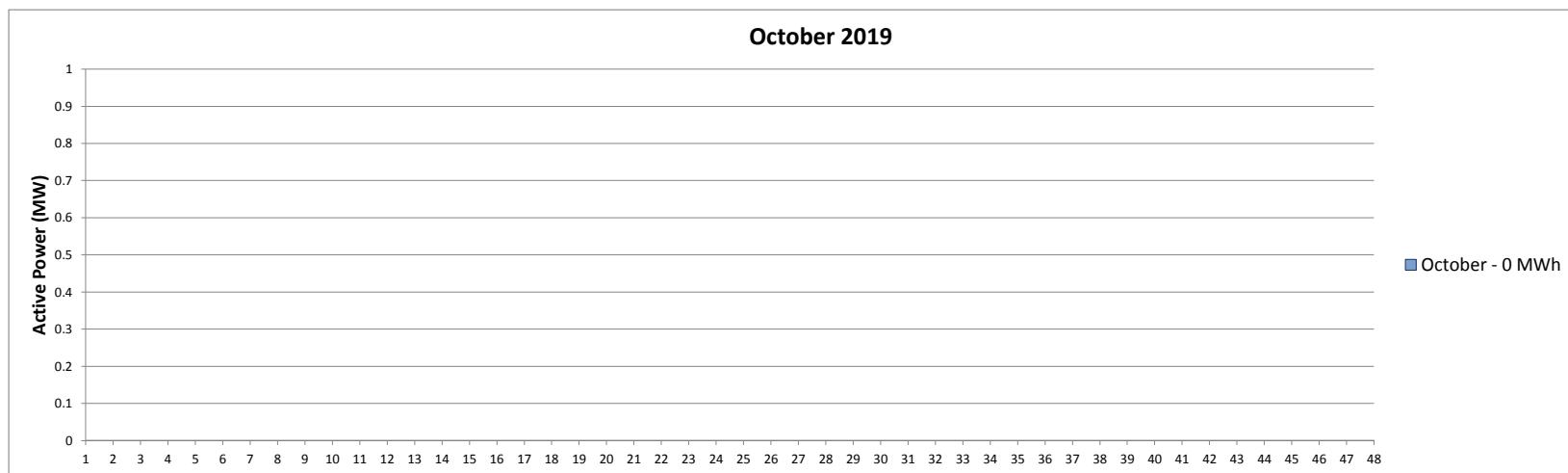
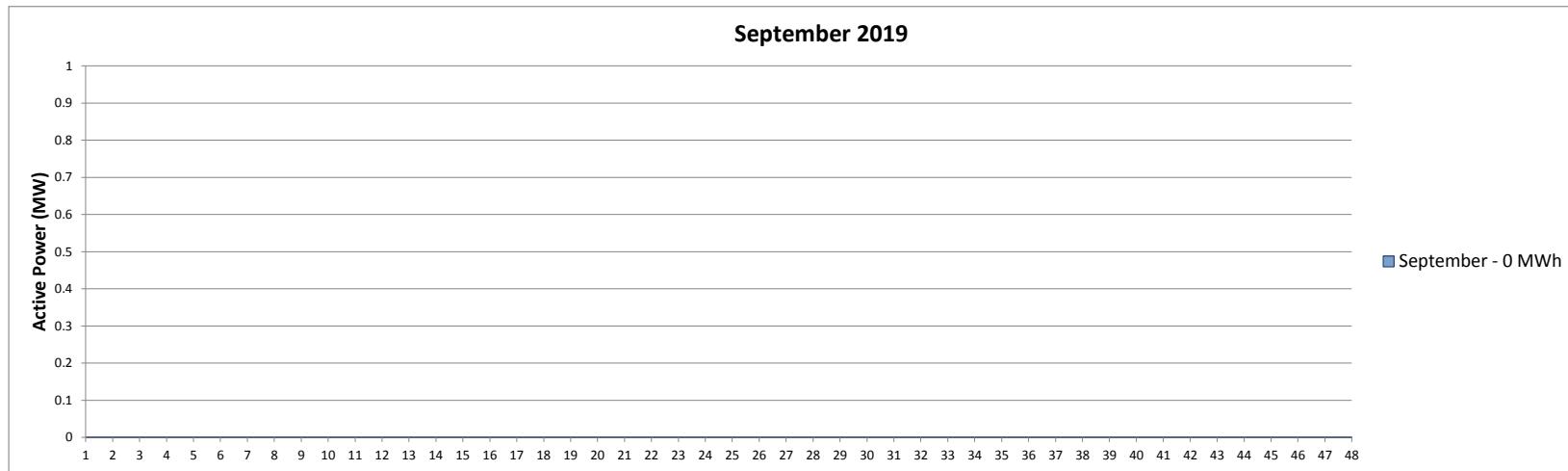


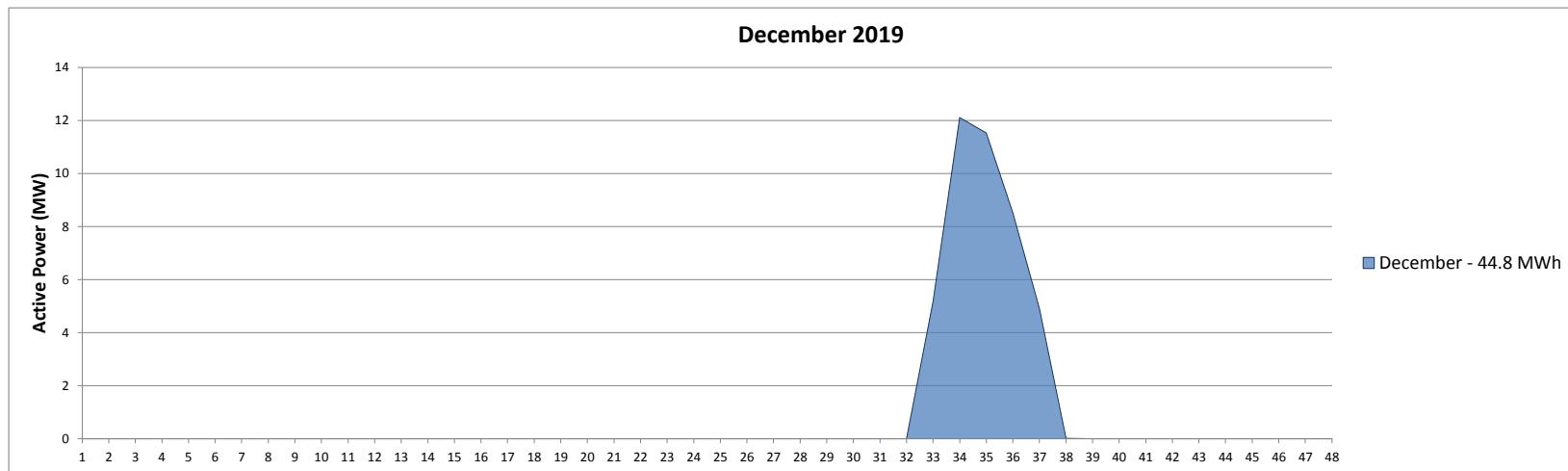
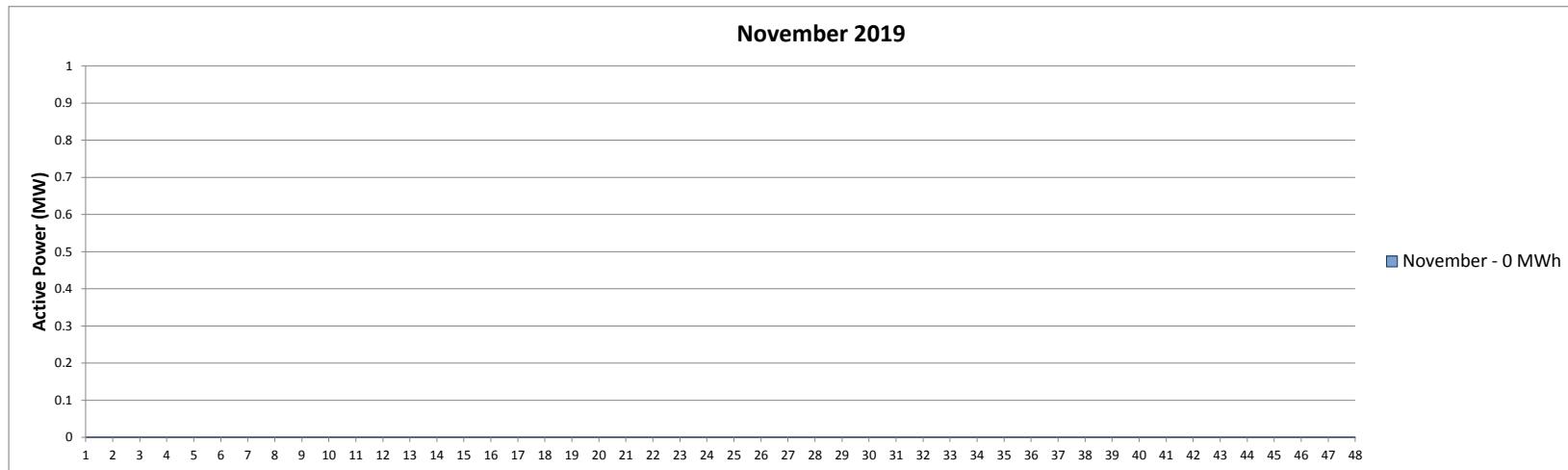


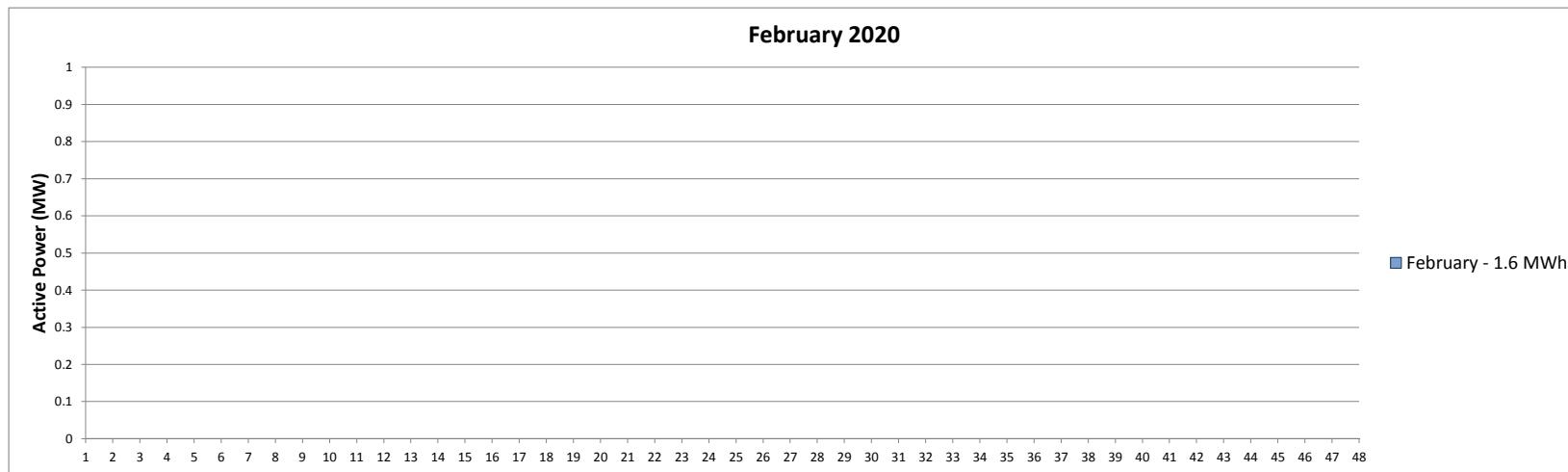
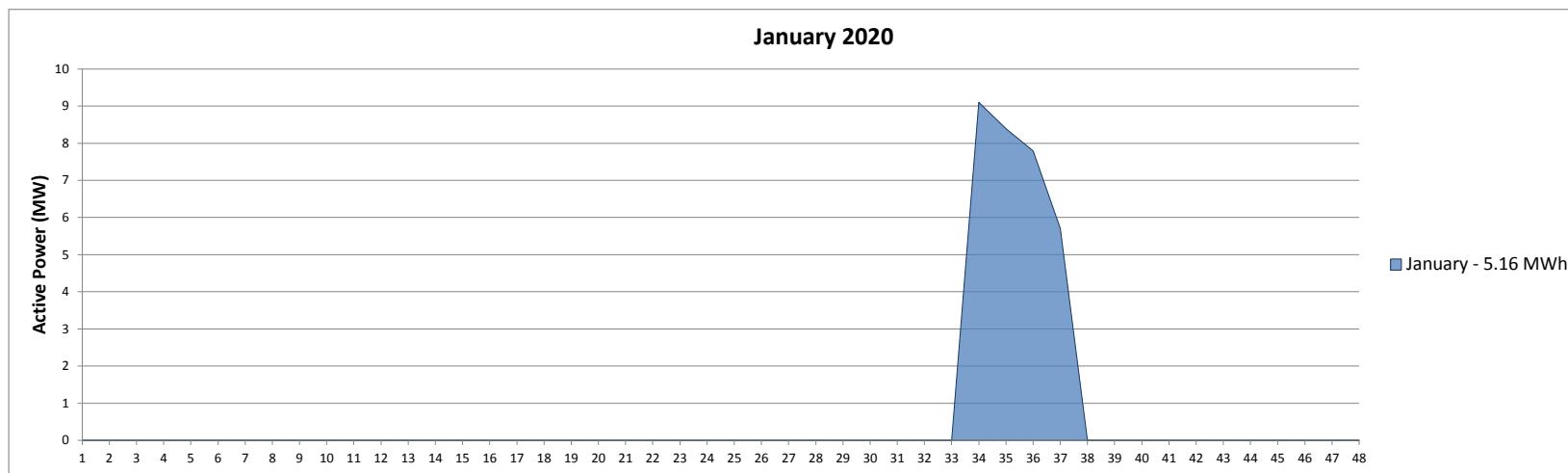
Flexibility Analysis Report for CMZ_WM_0001 - Rugeley SGT

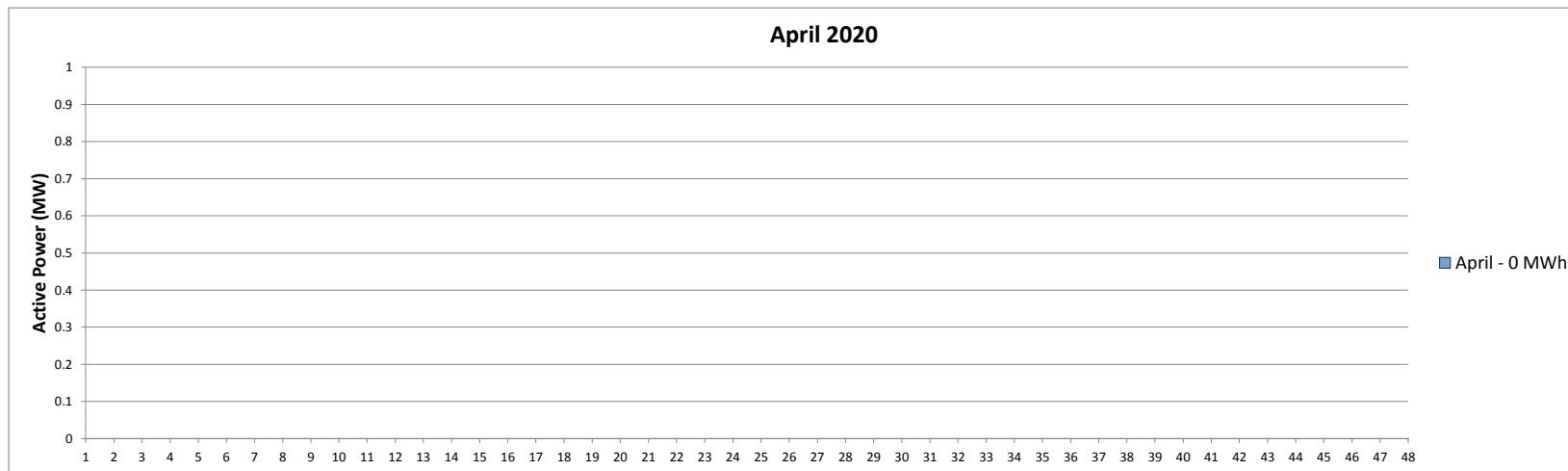
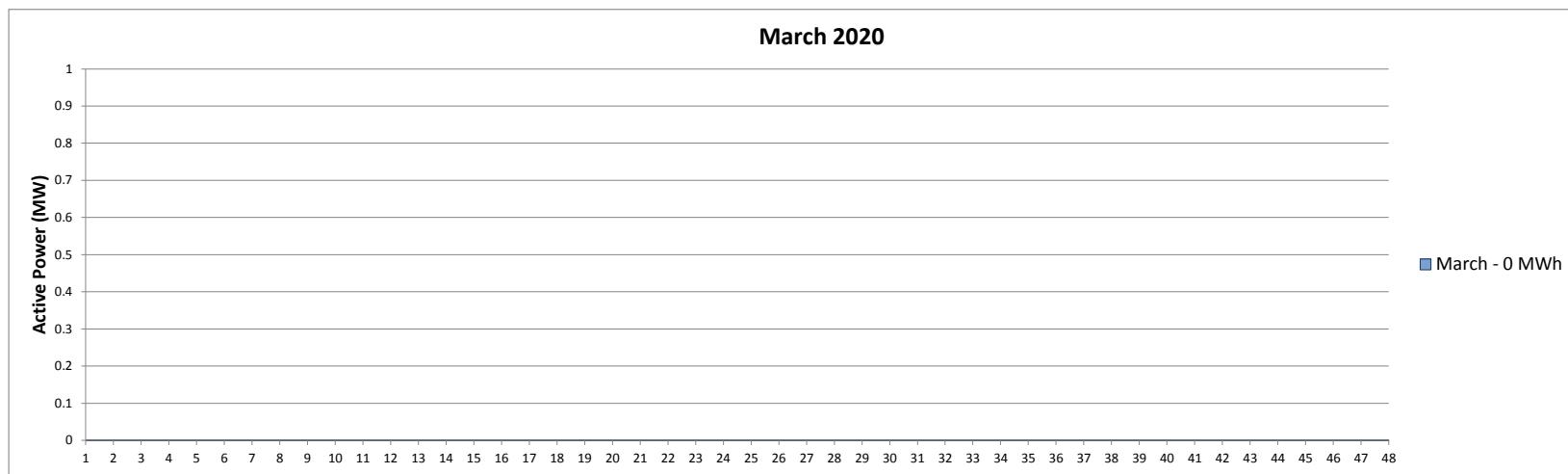


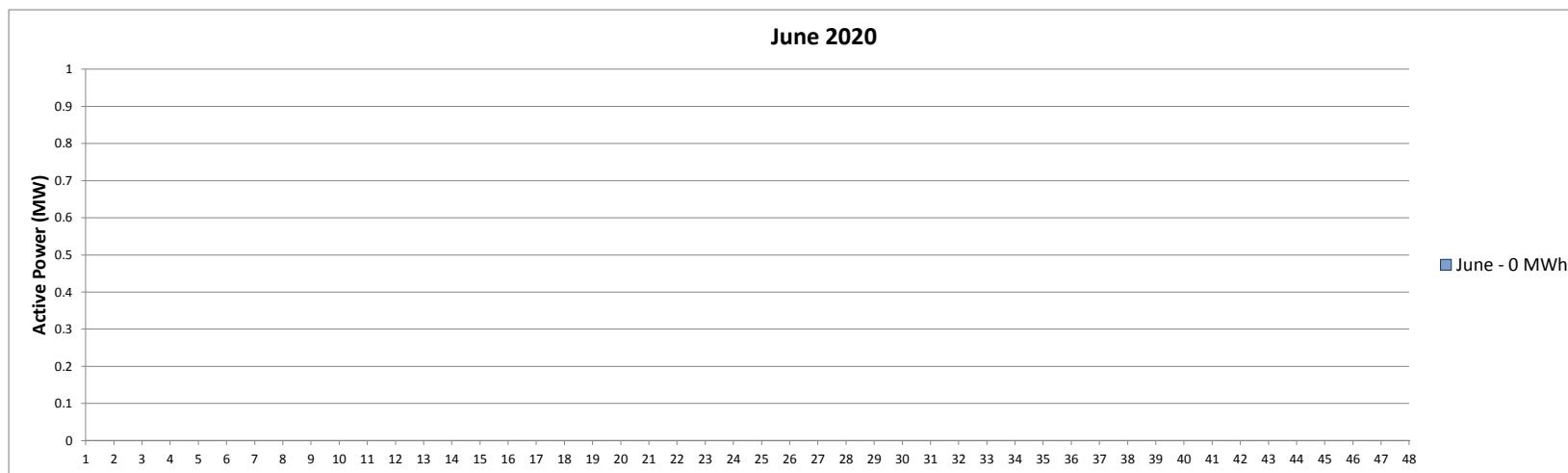
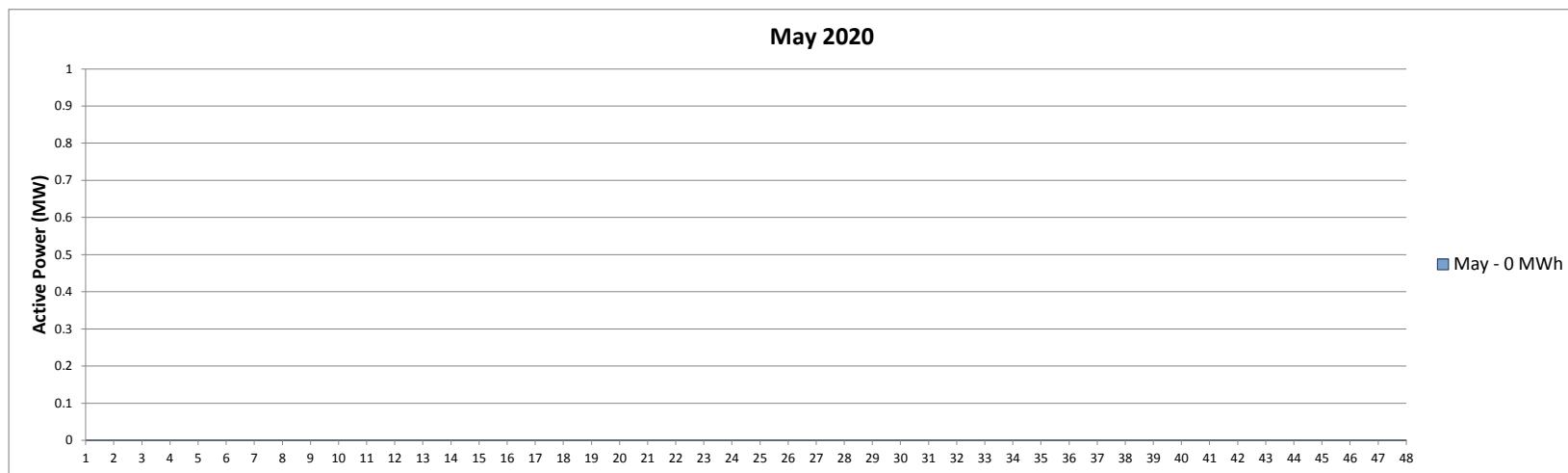
Products	Season	MW Peak
Secure	Winter	16.8

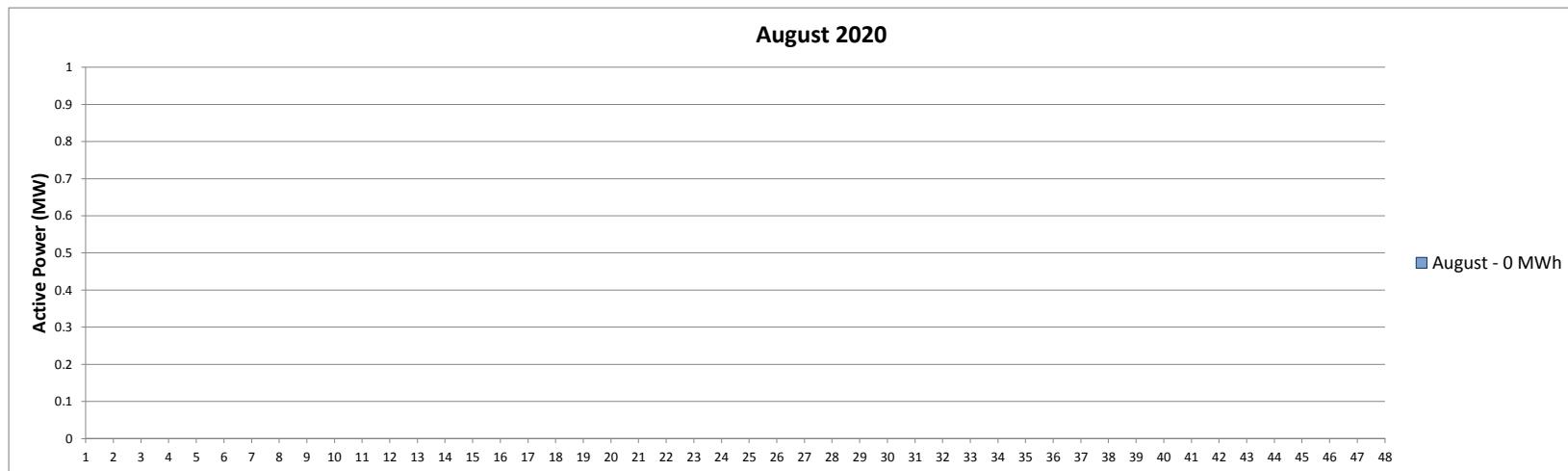
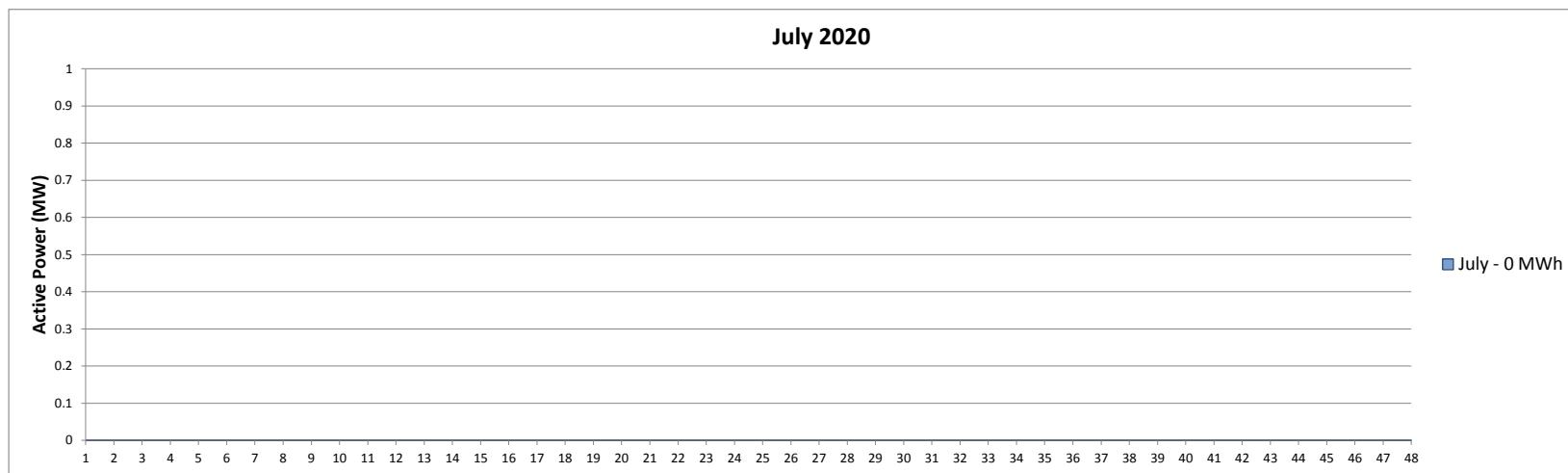


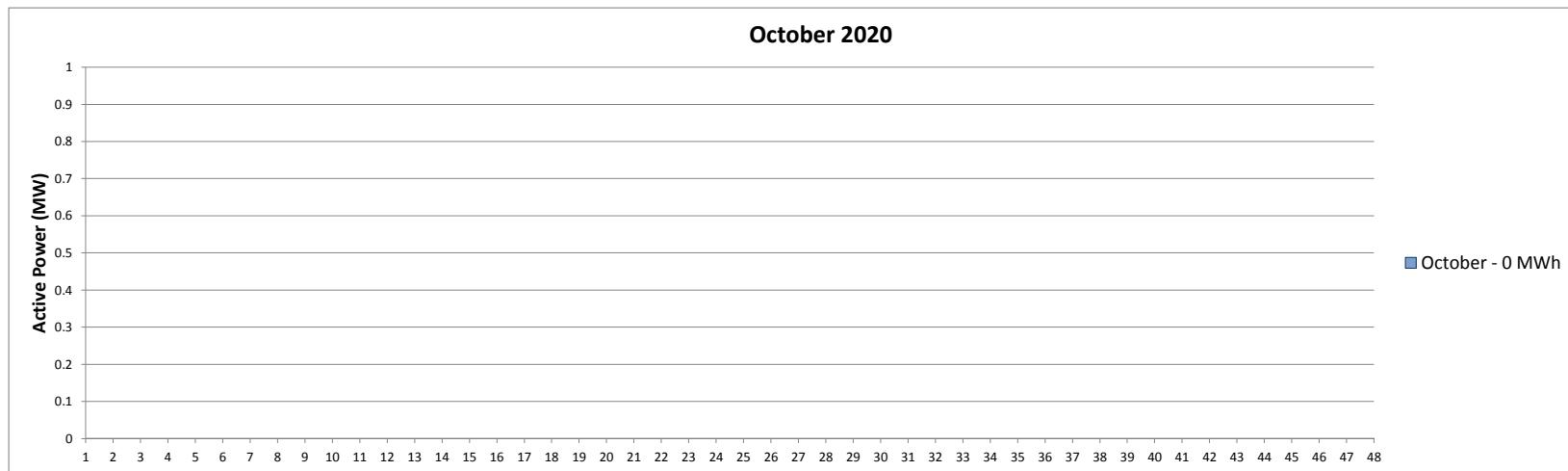
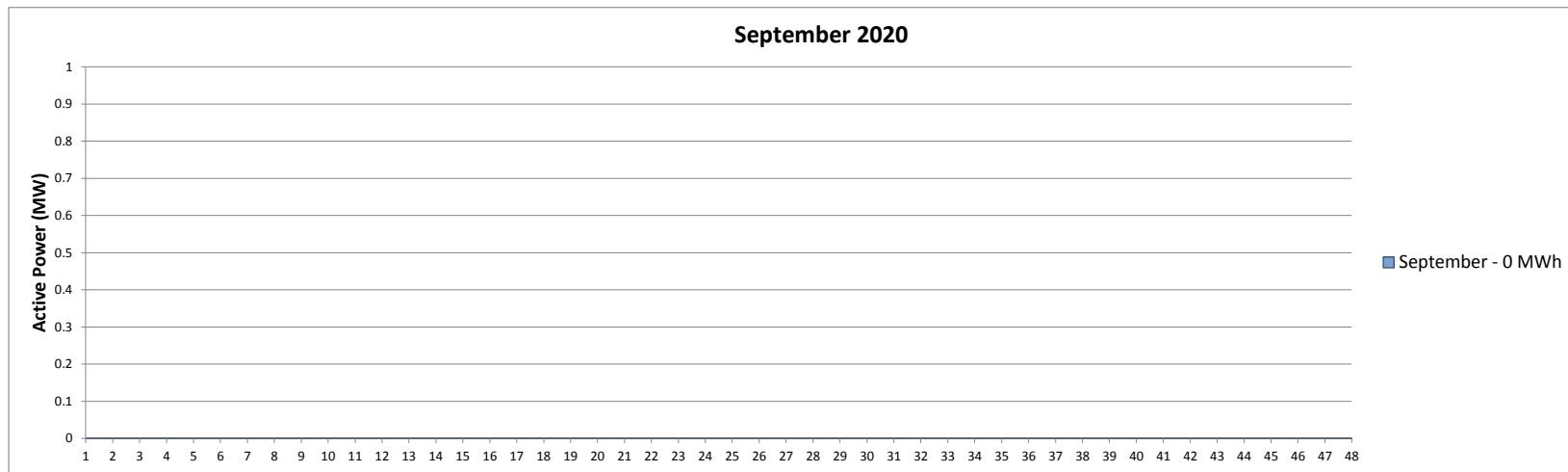




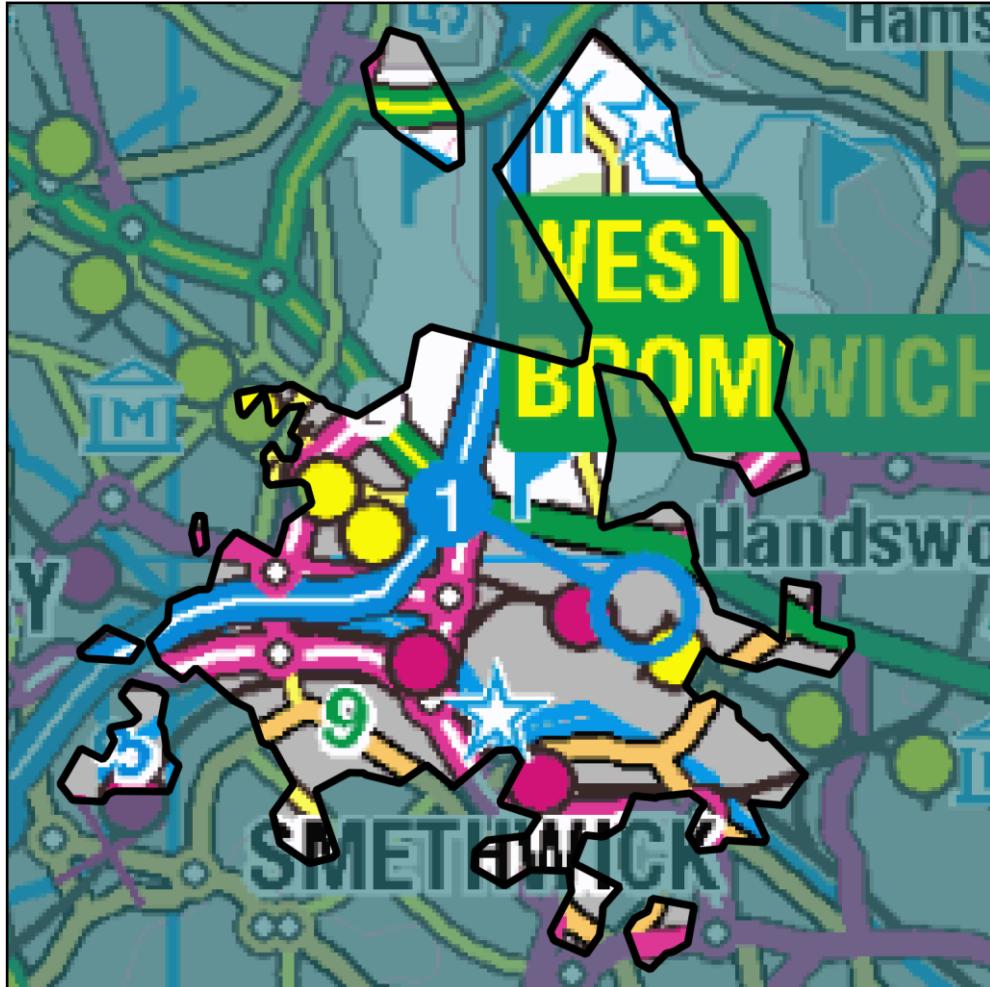




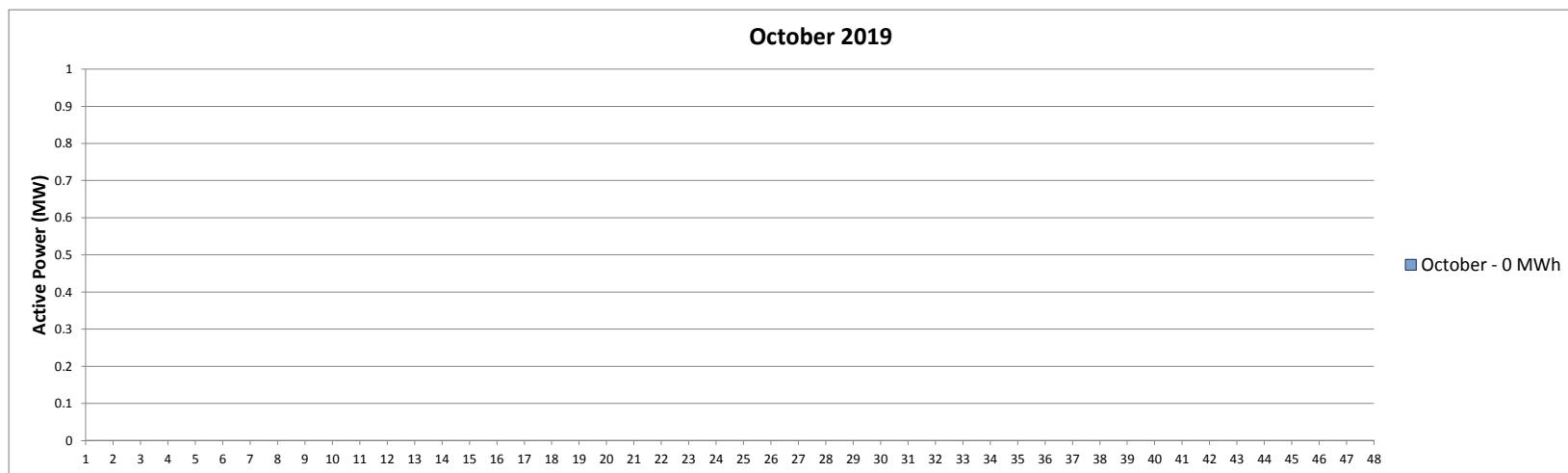
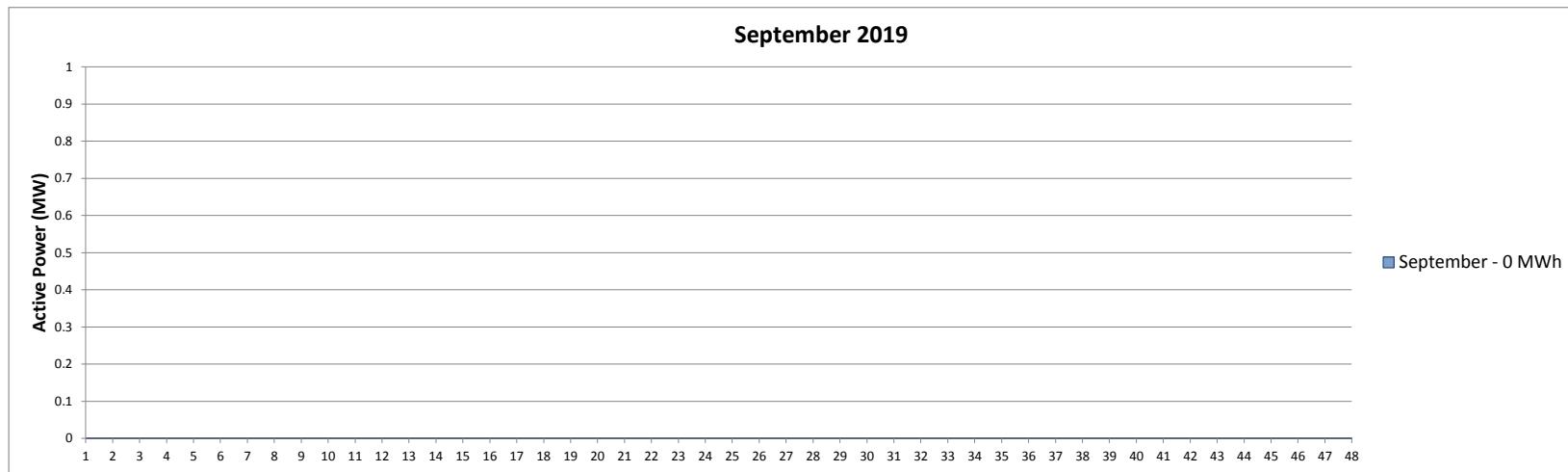


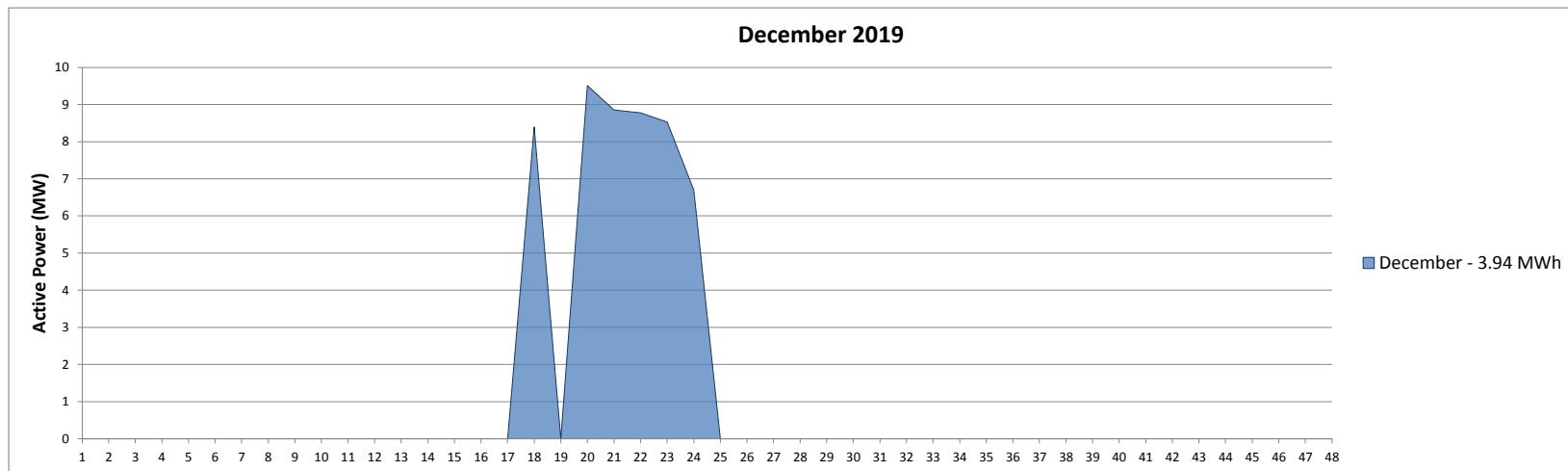
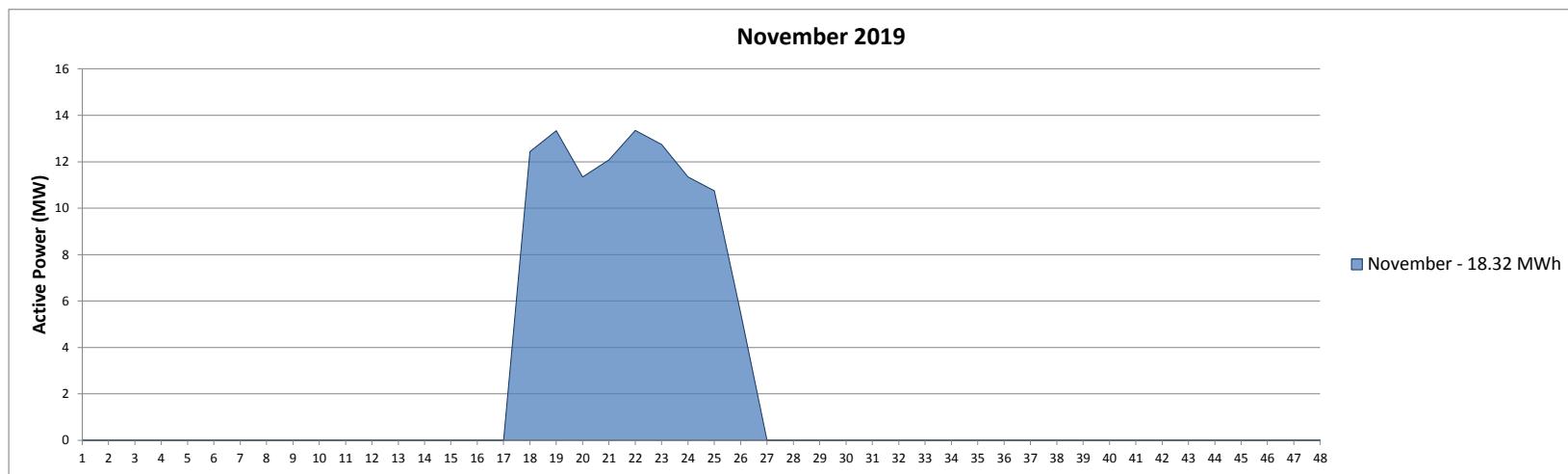


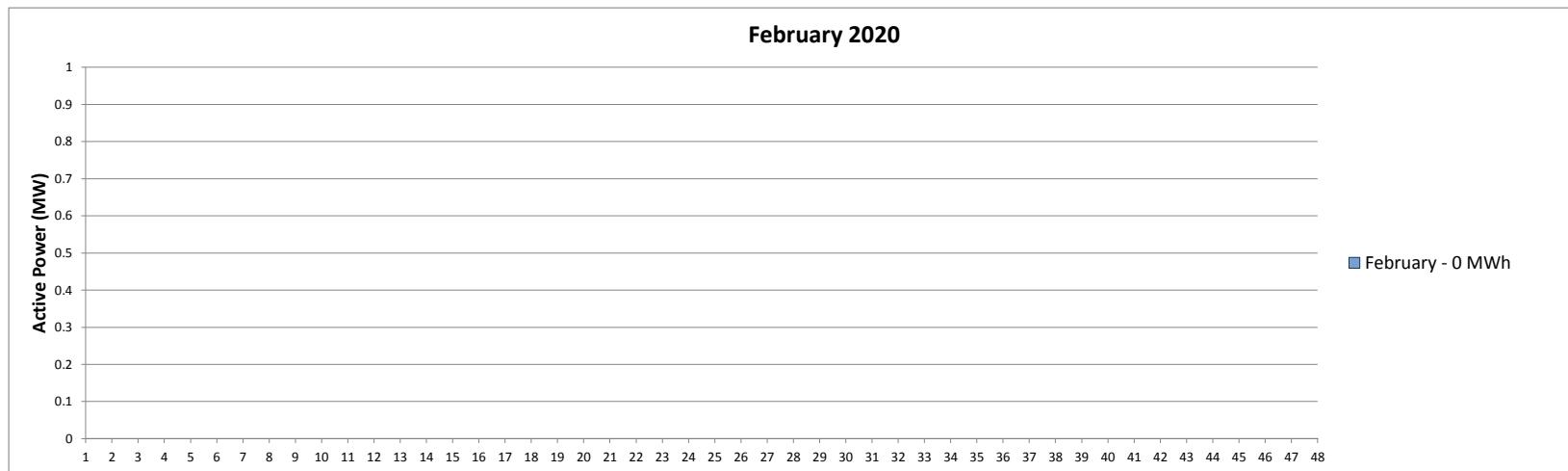
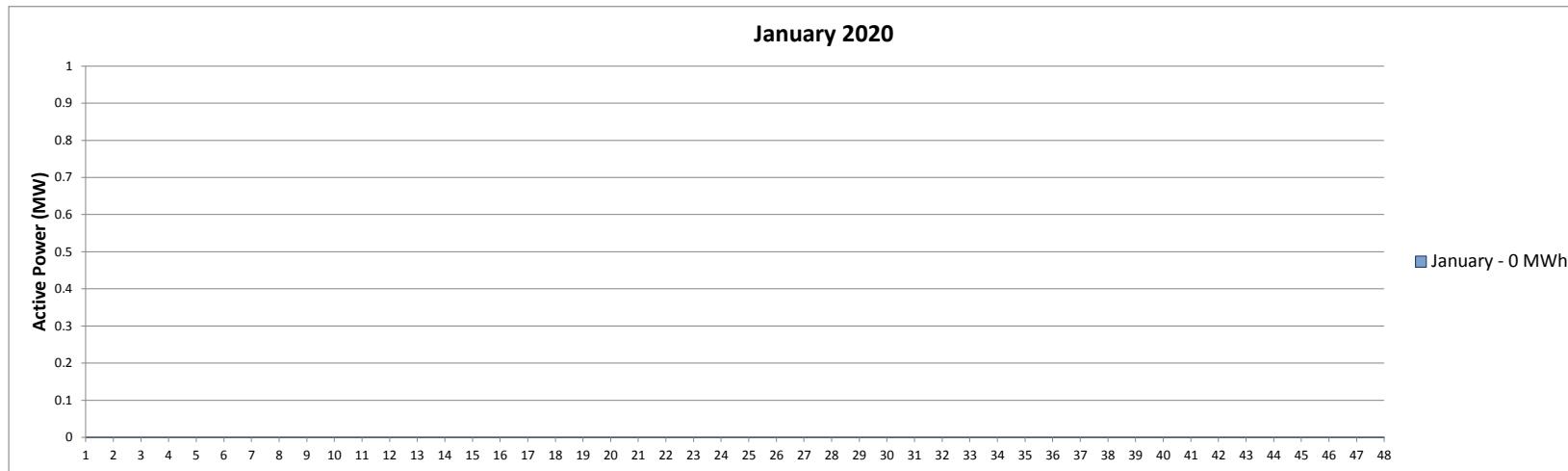
Flexibility Analysis Report for CMZ_T3_WM_0004 - Smethwick

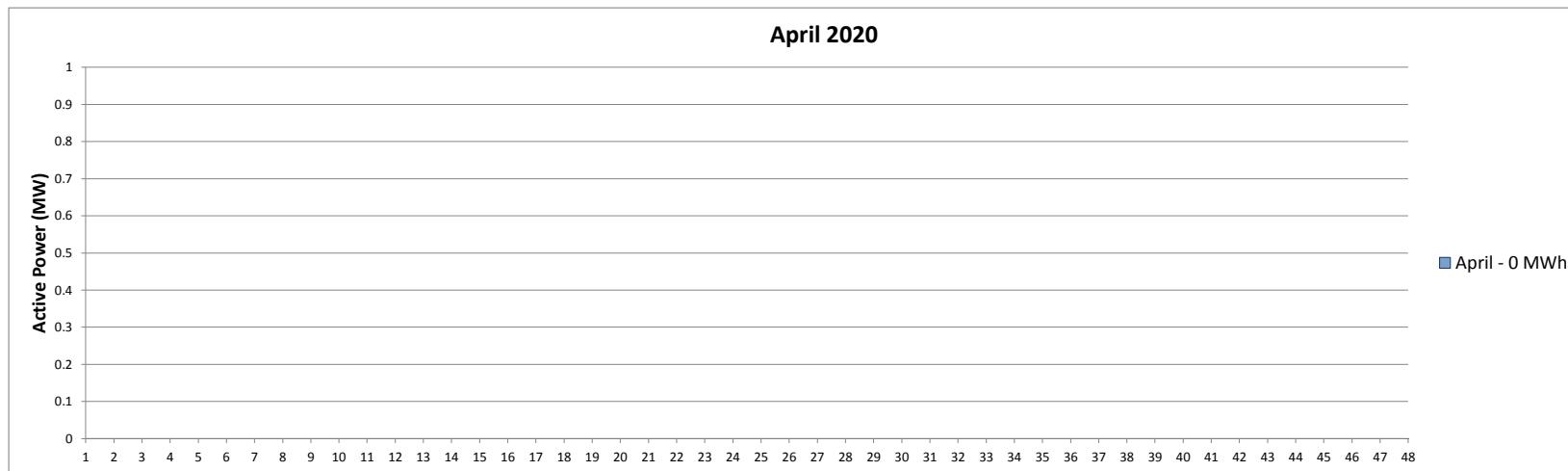
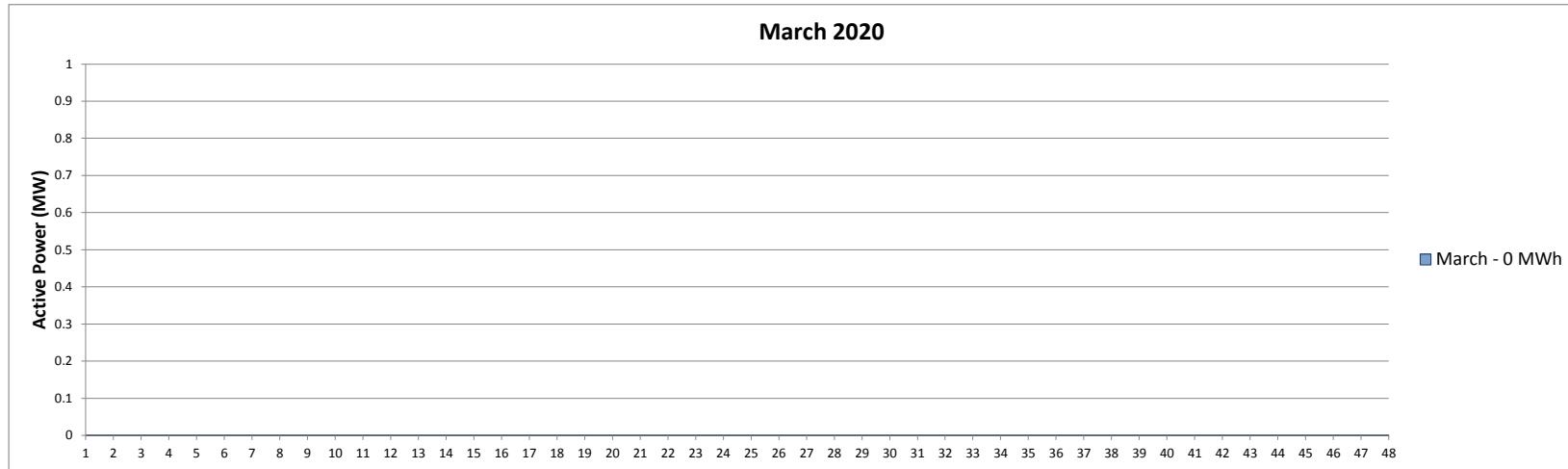


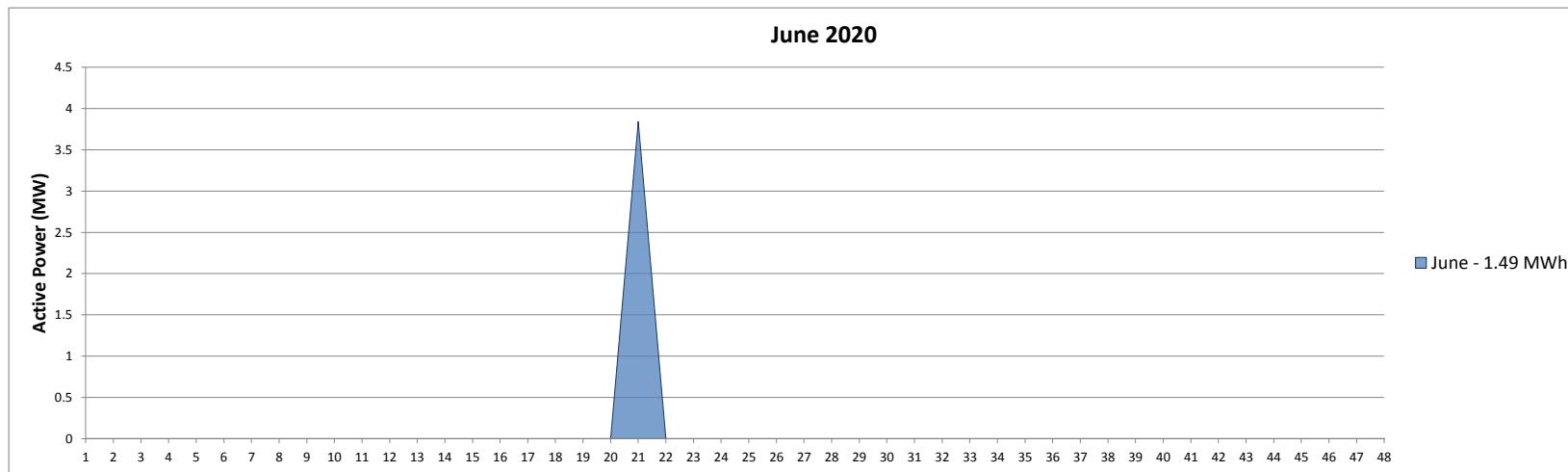
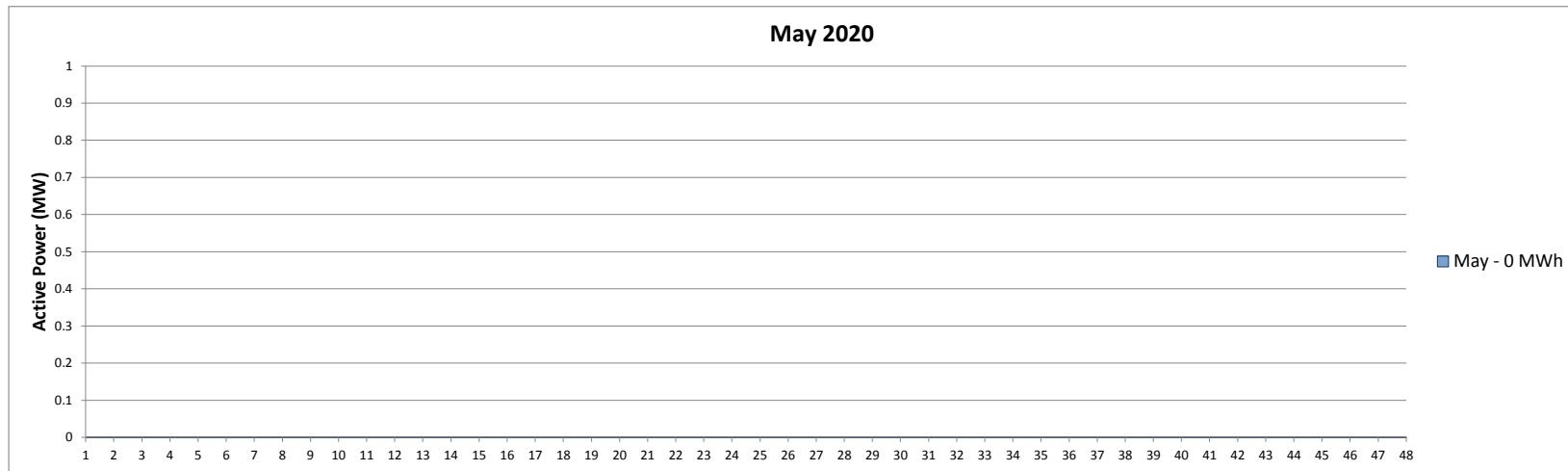
Products	Season	MW Peak
Secure	Winter	1.9

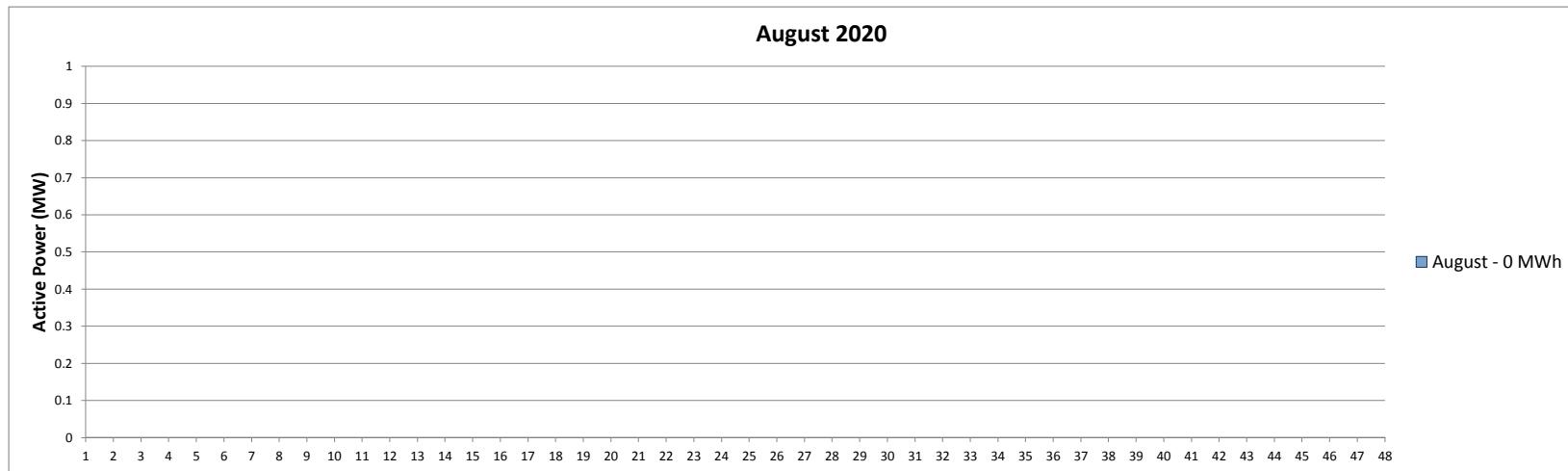
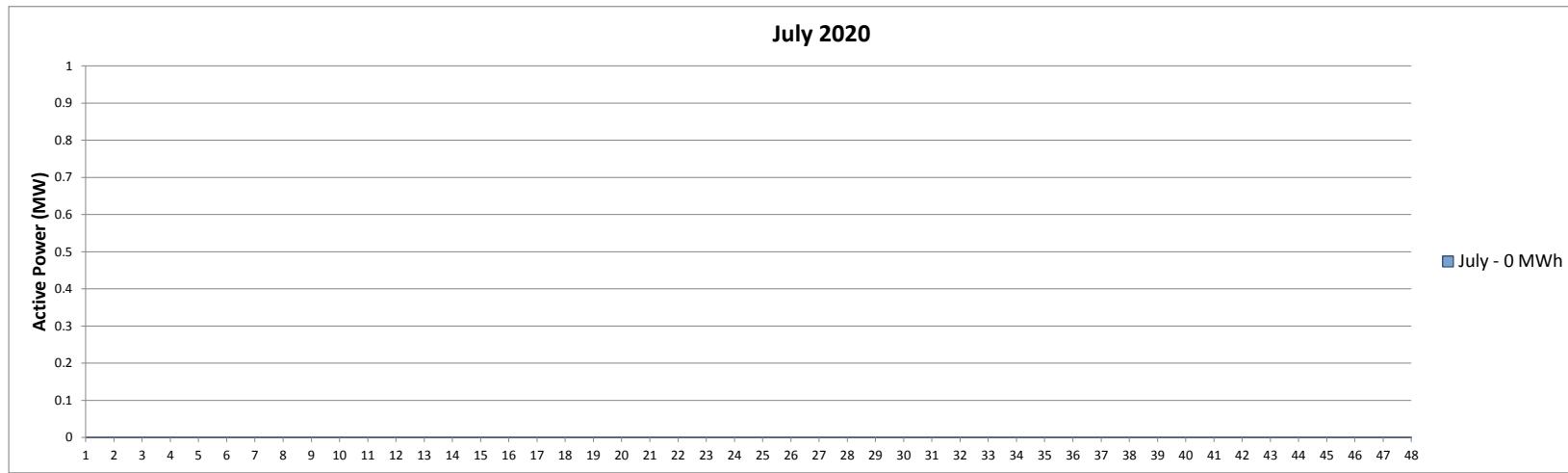


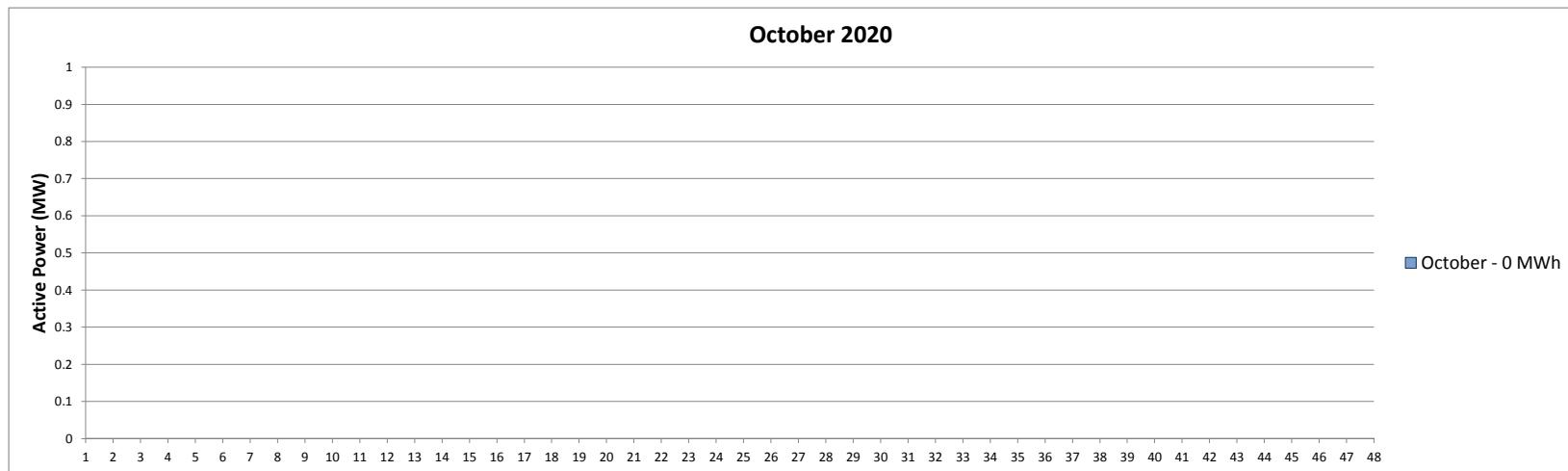
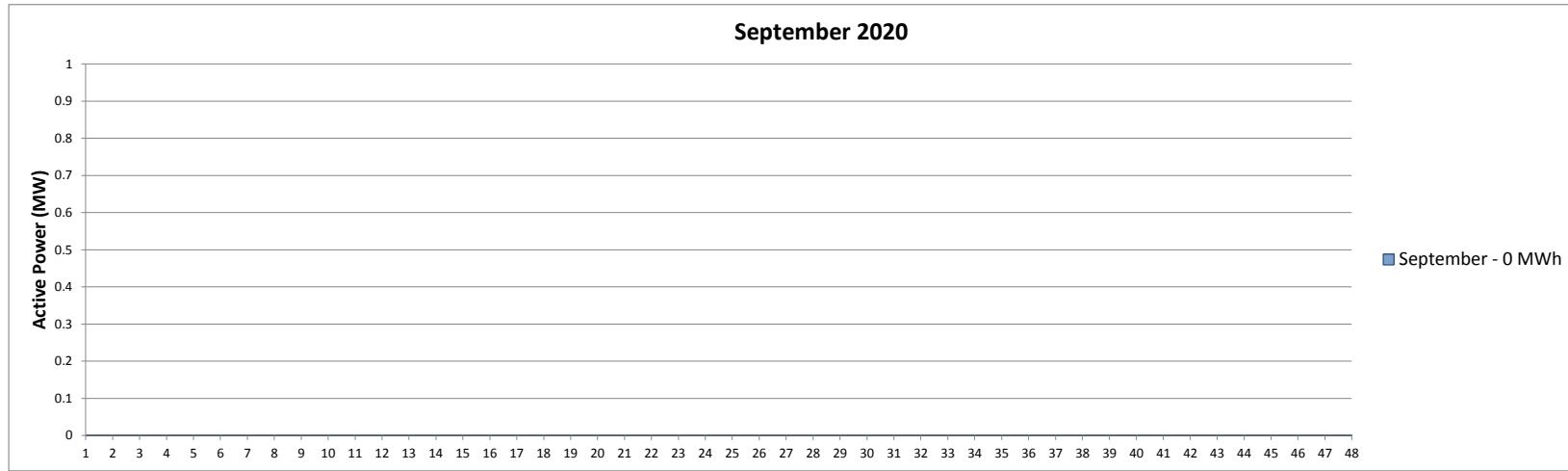




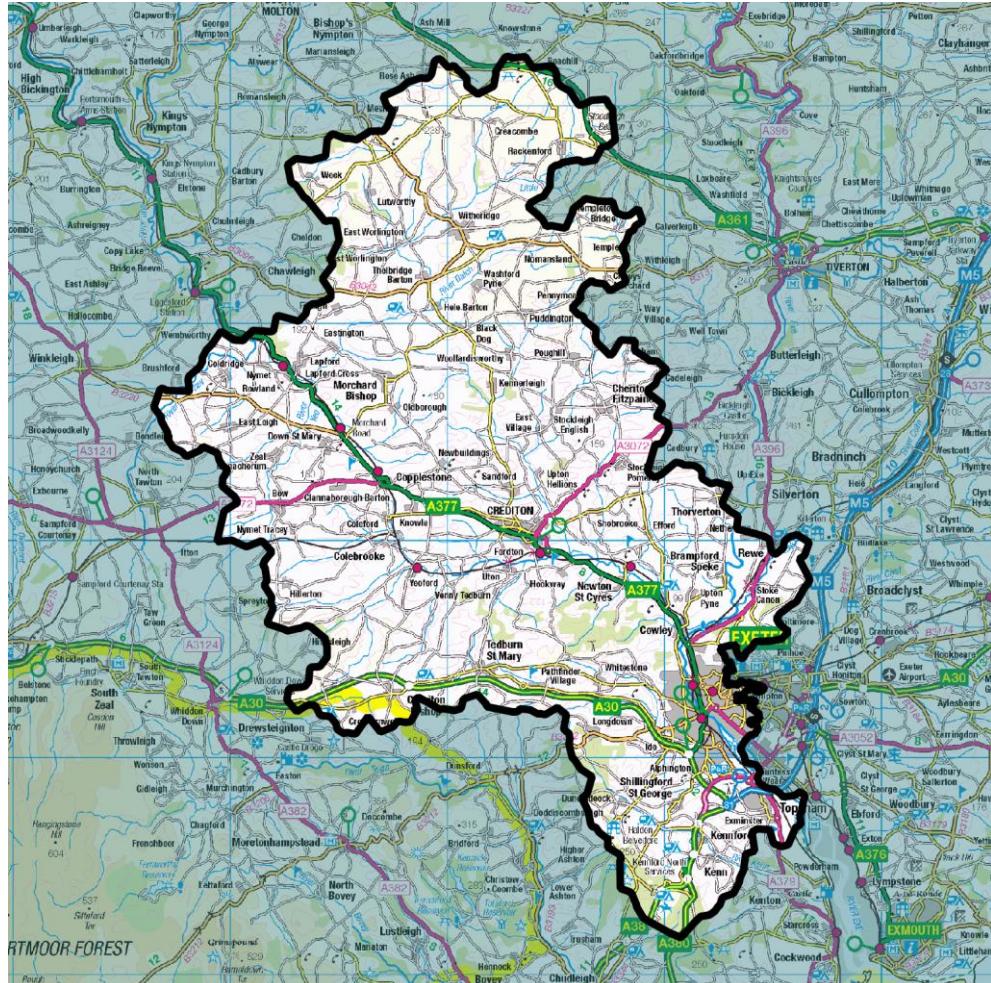




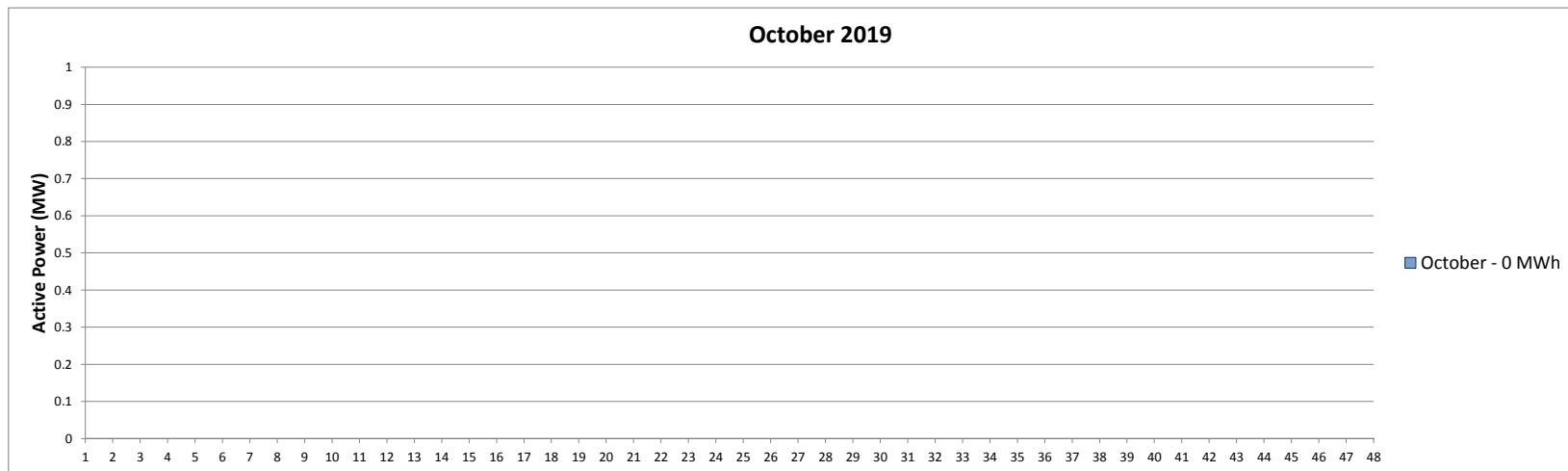
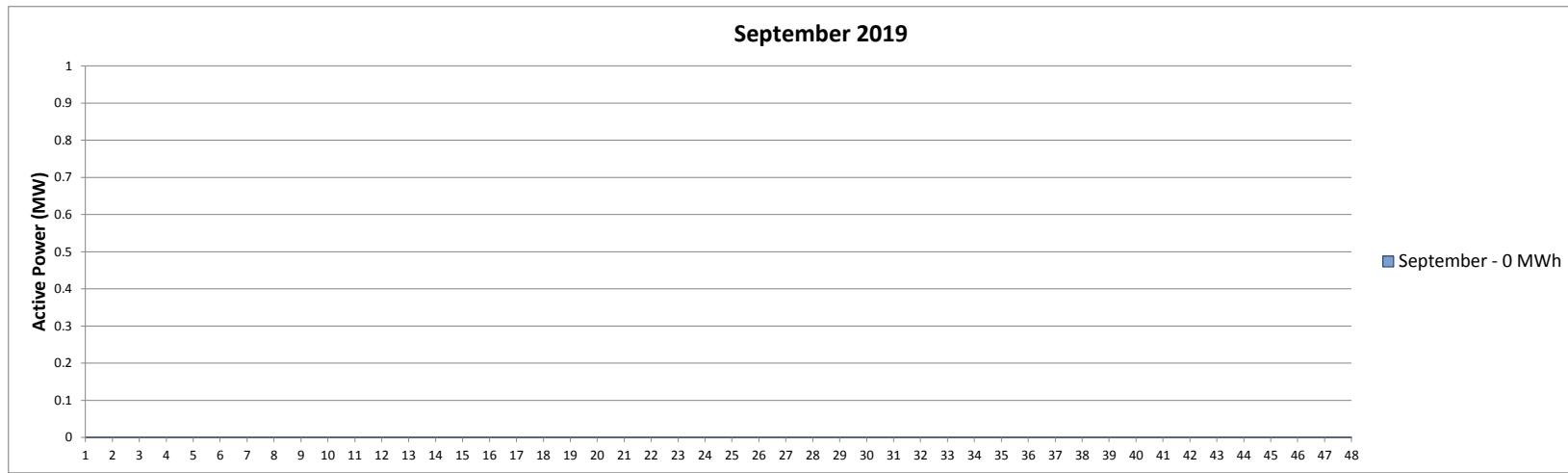




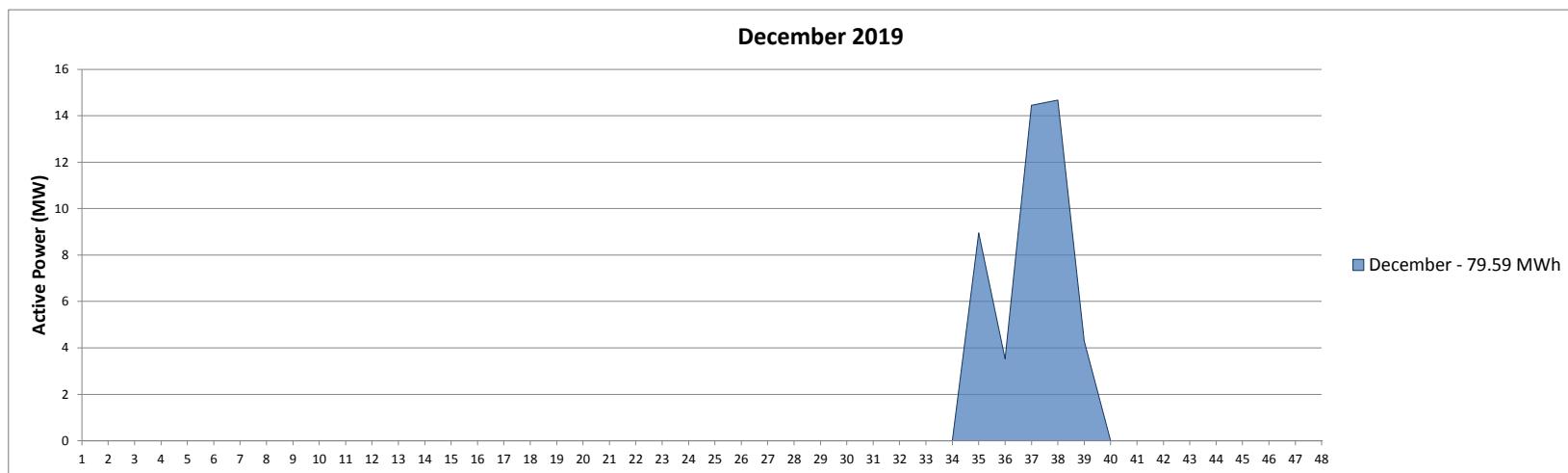
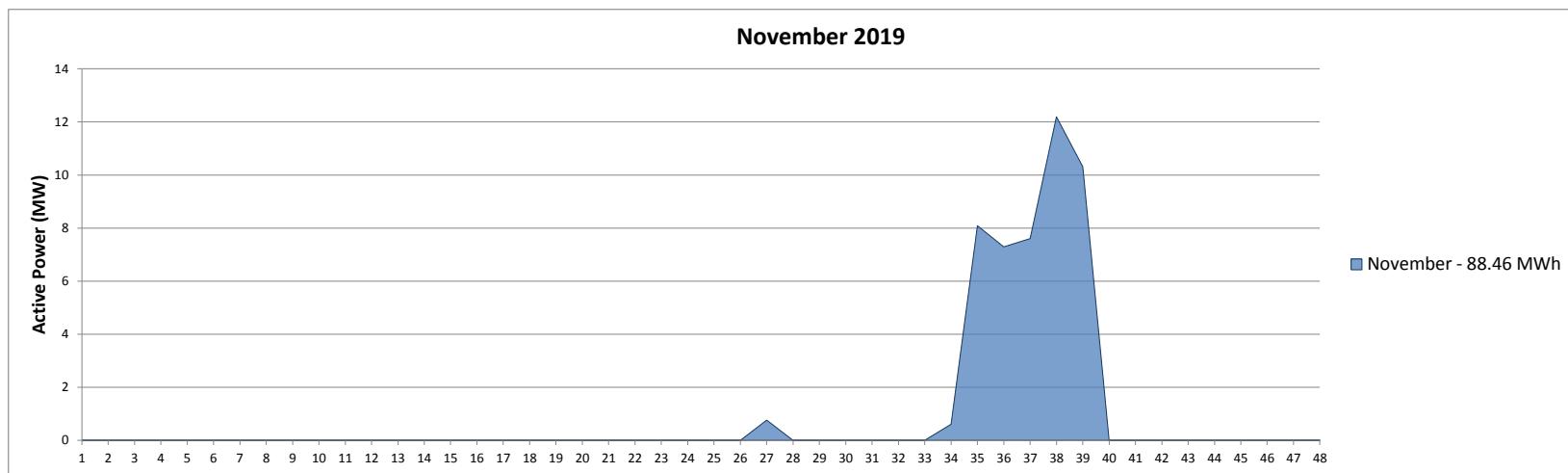
Flexibility Analysis Report for CMZ_SWE_0002 – Exeter

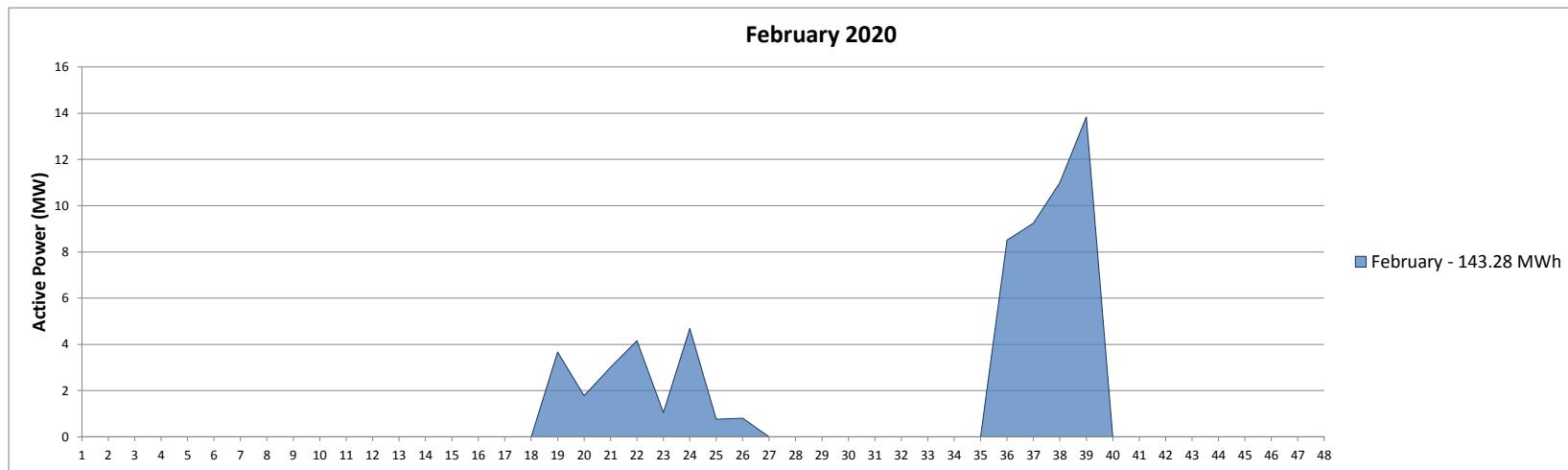
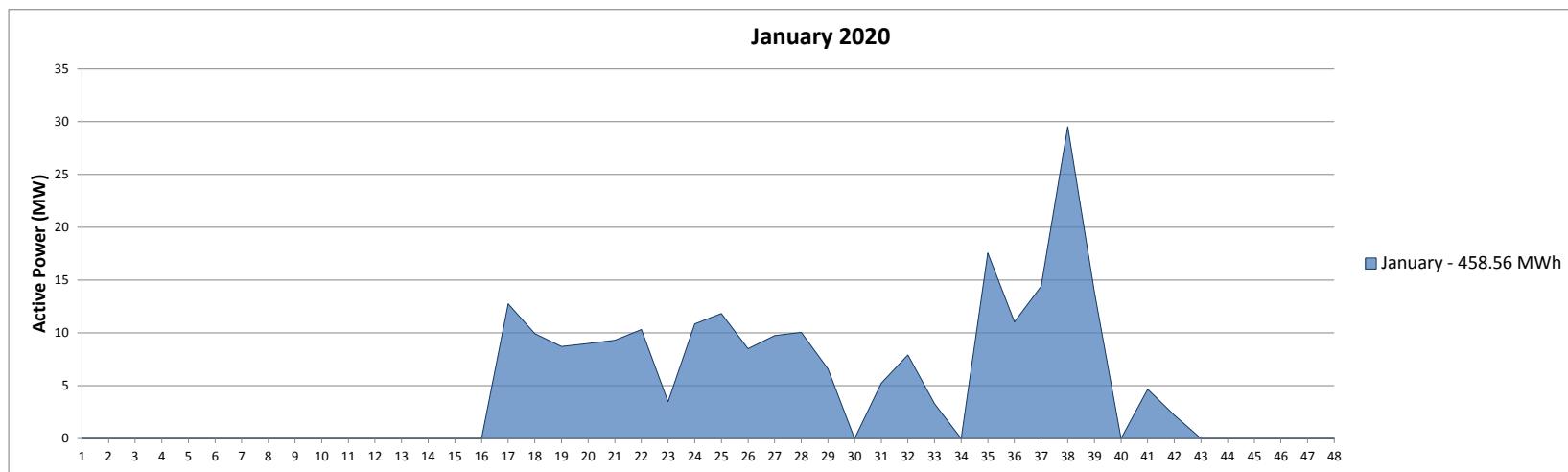


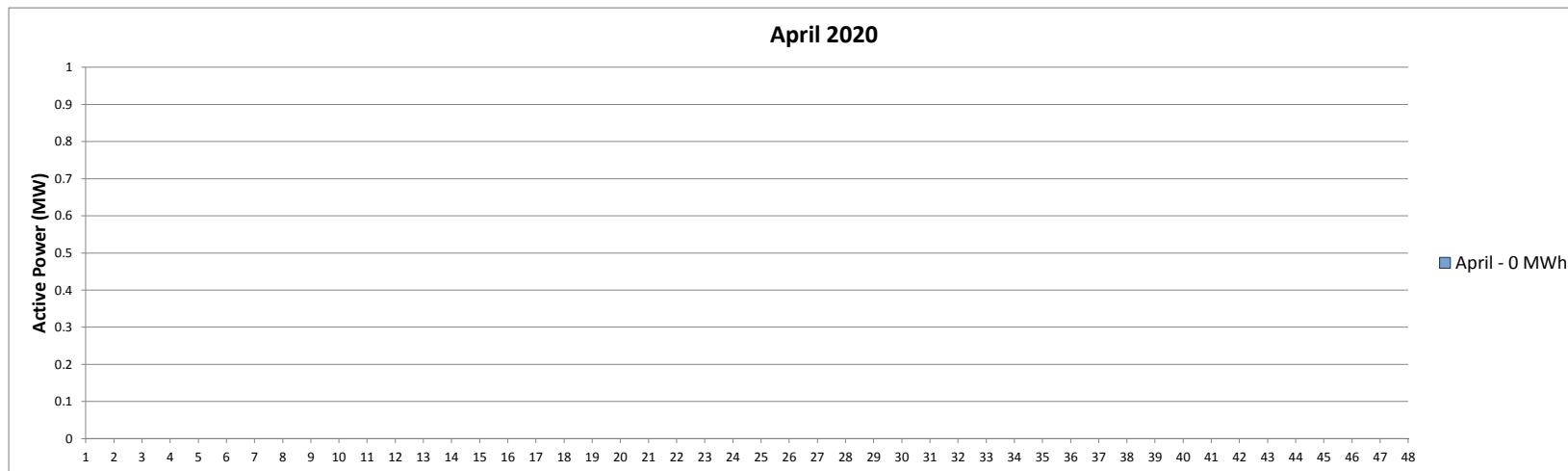
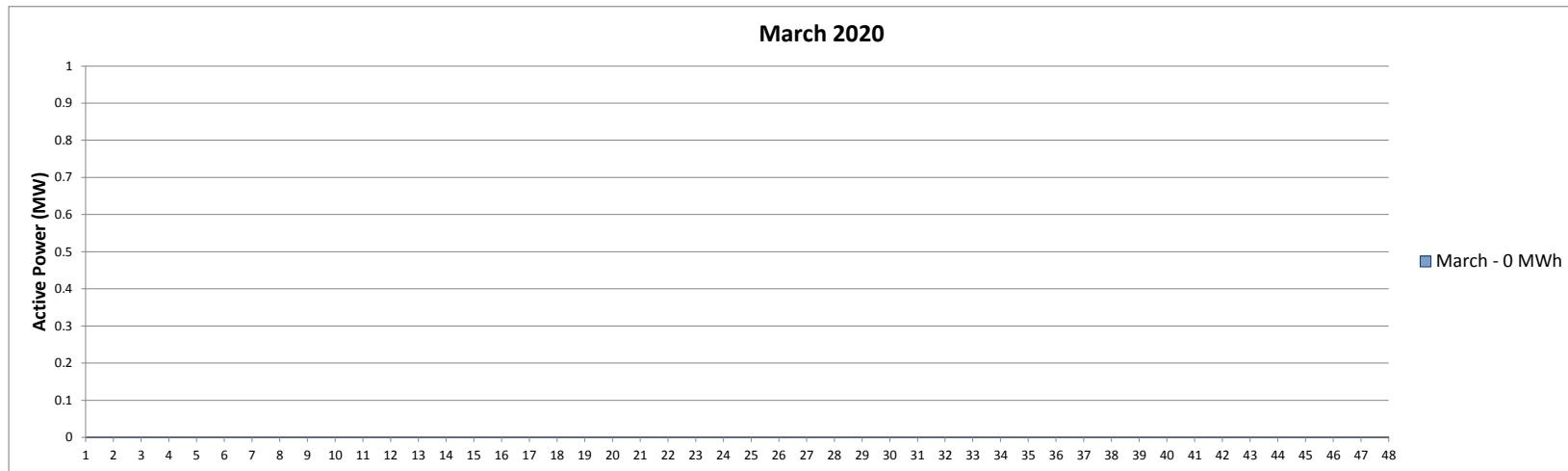
Products	Season	MW Peak
Dynamic	Winter	24.9

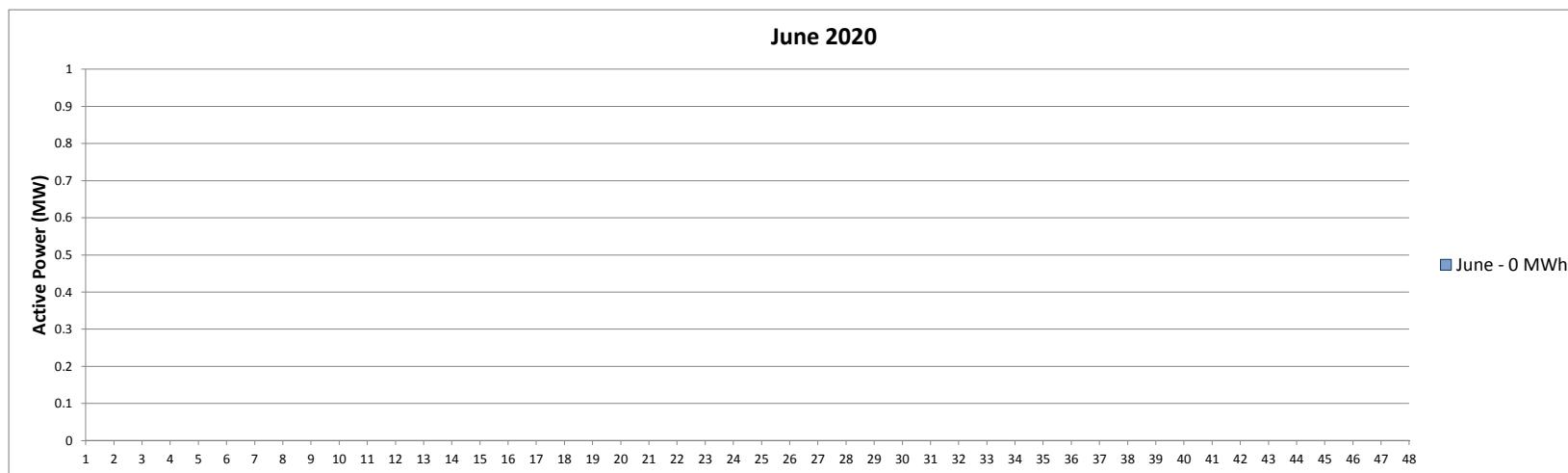
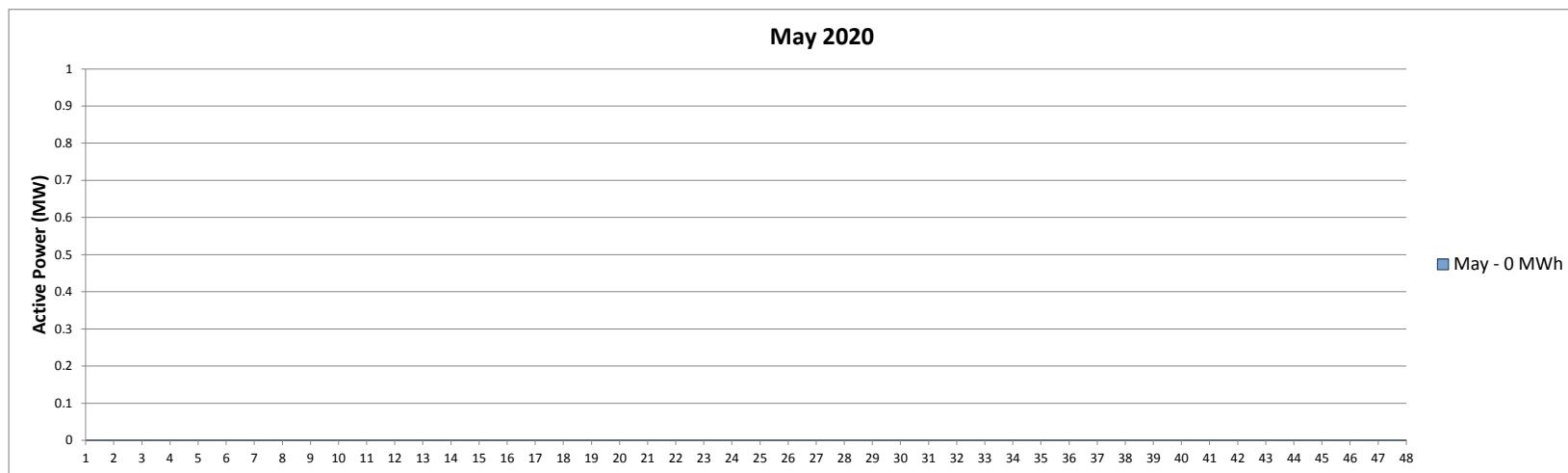


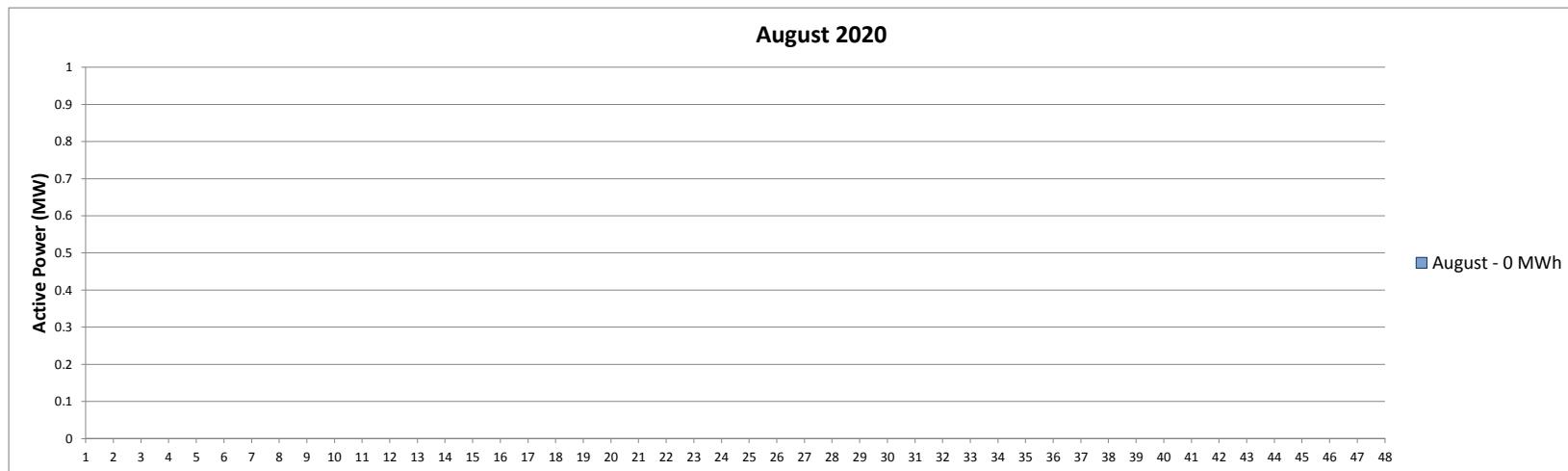
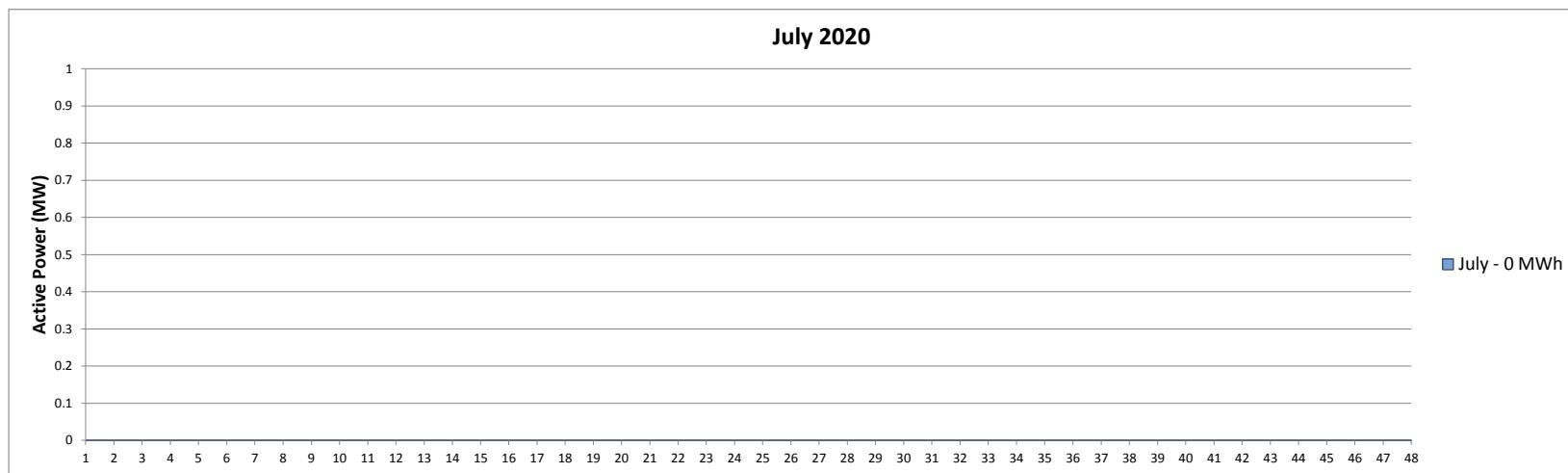
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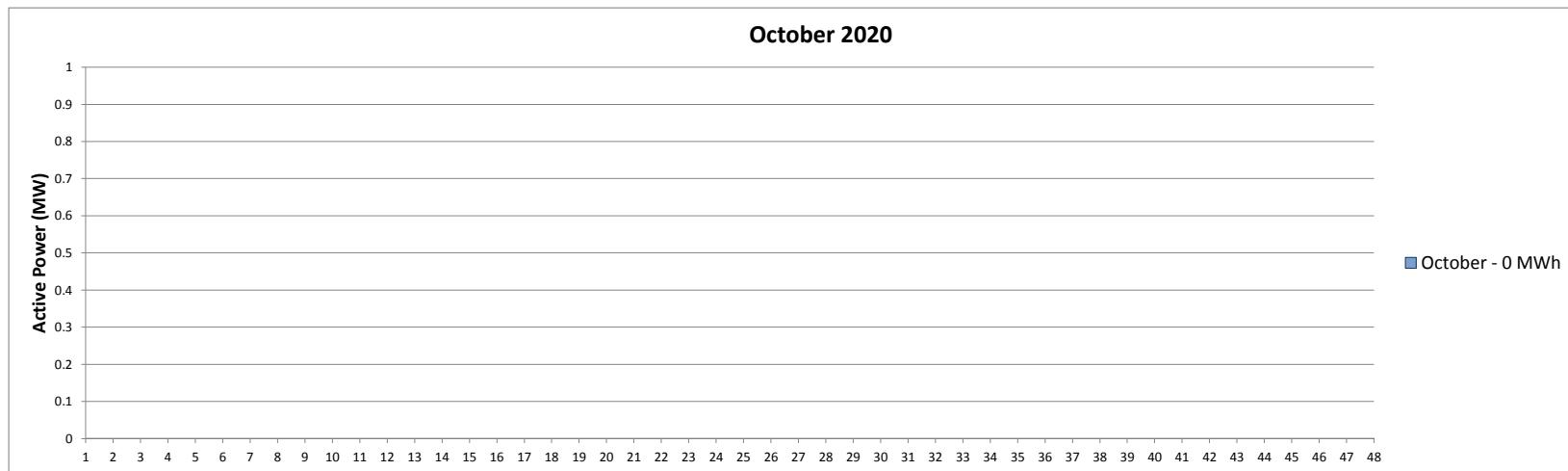
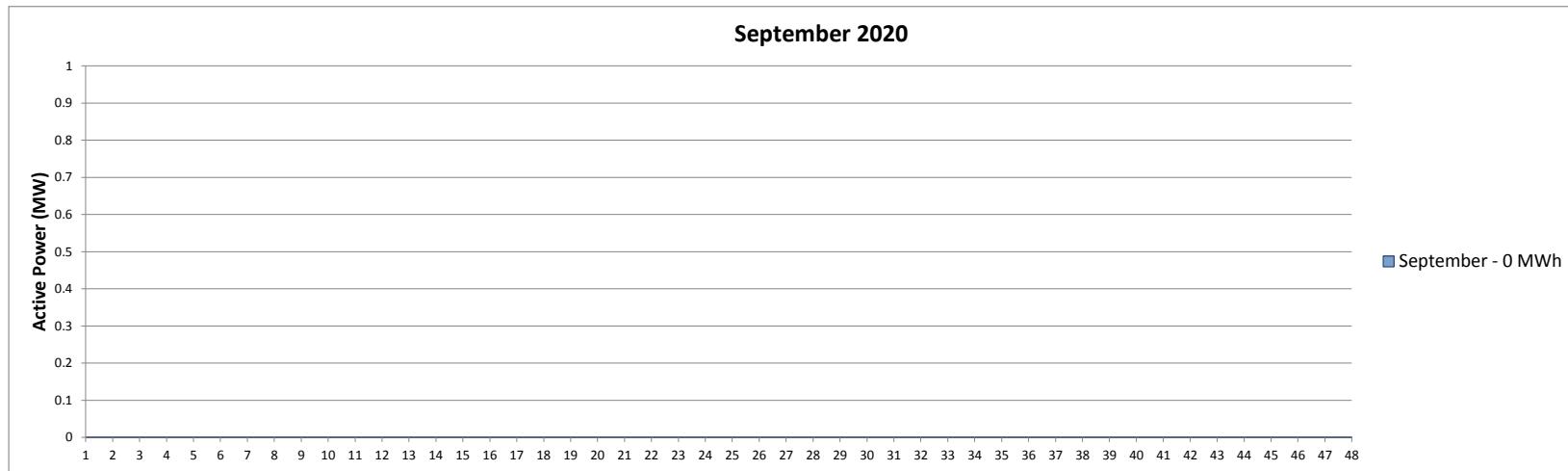








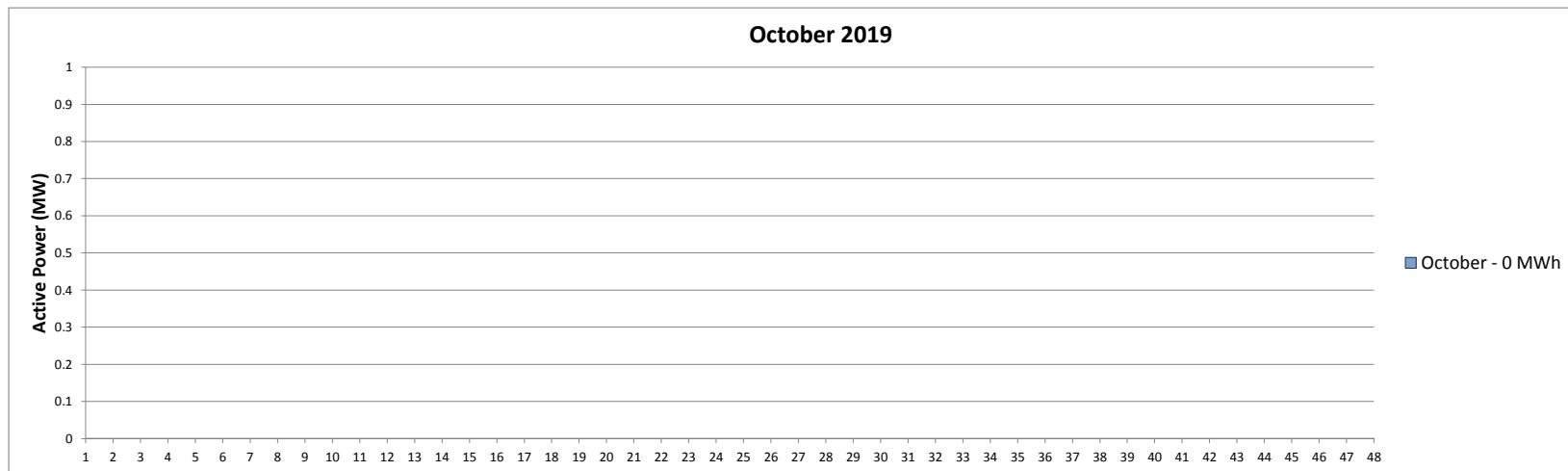
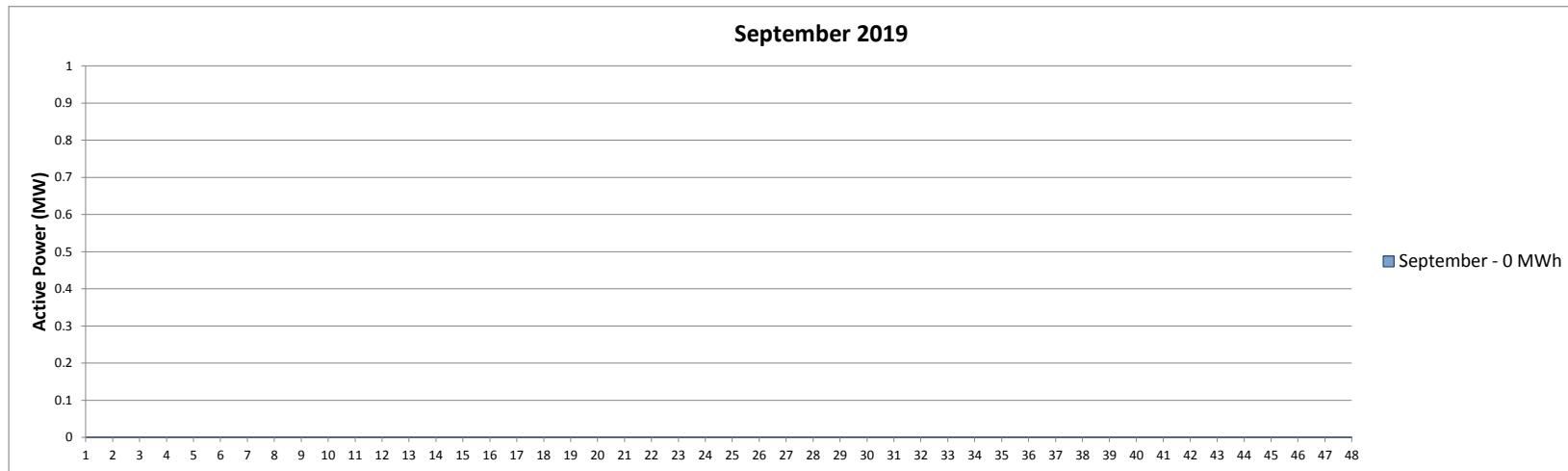


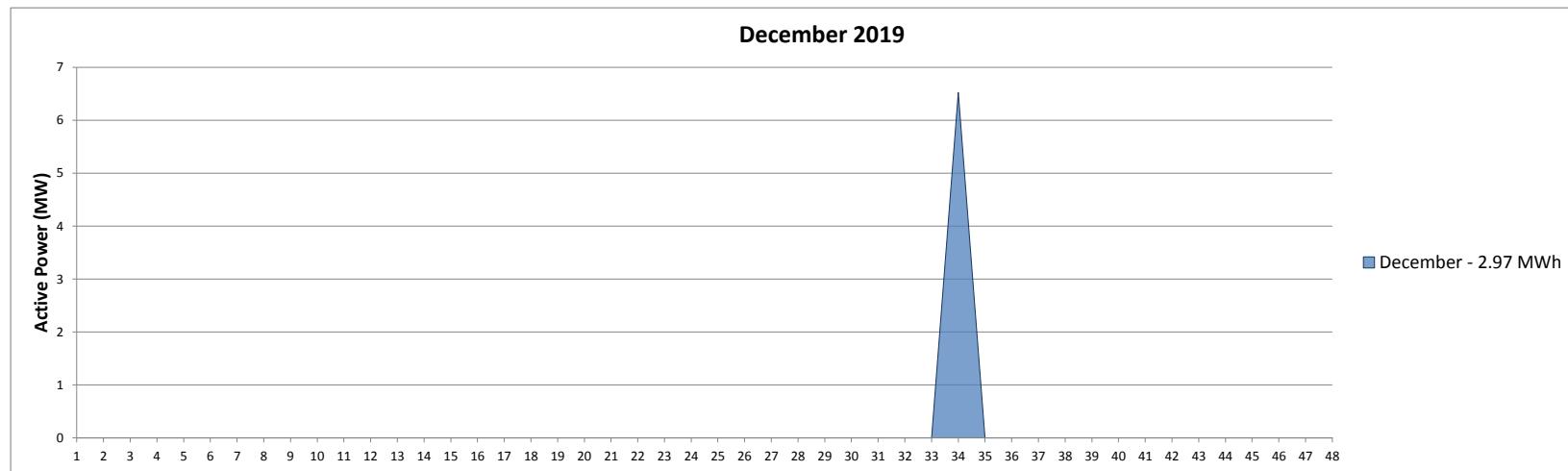
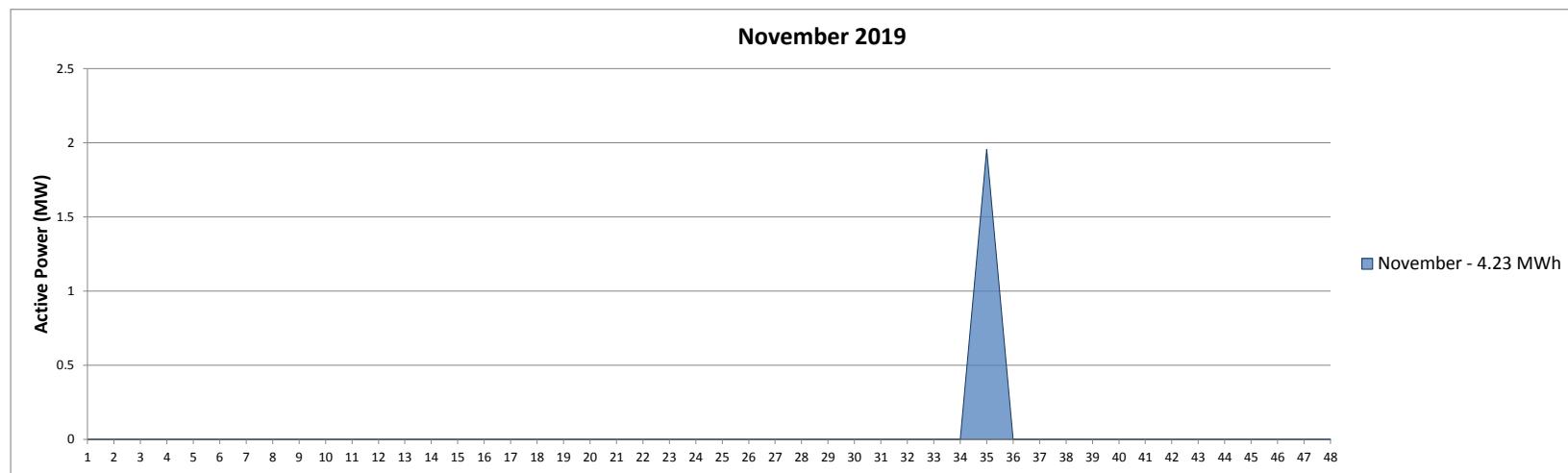


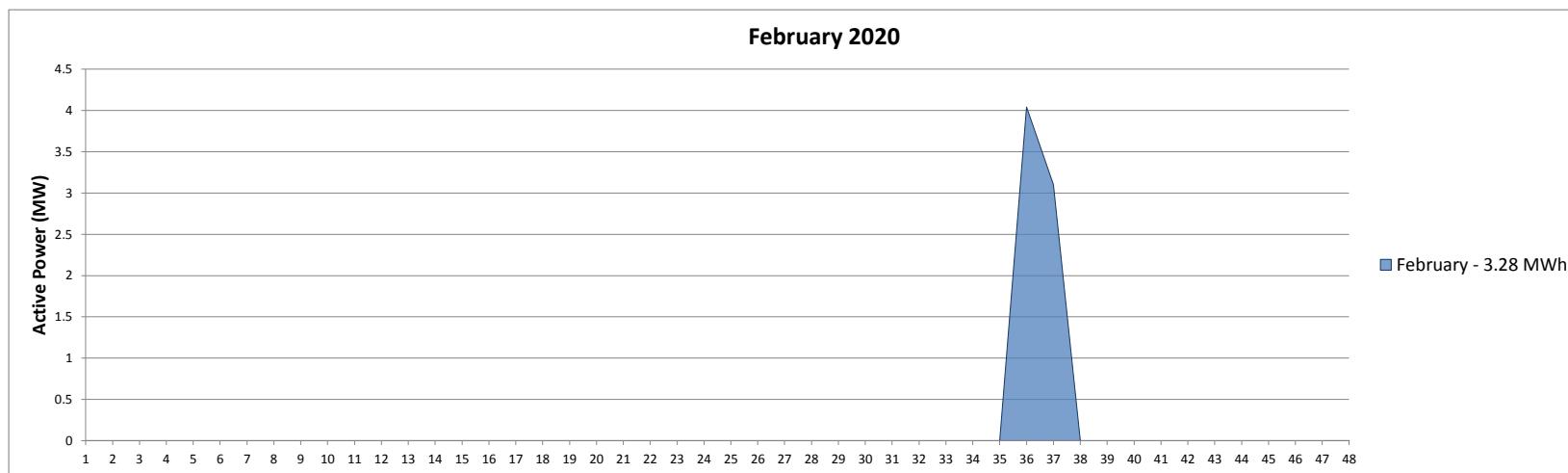
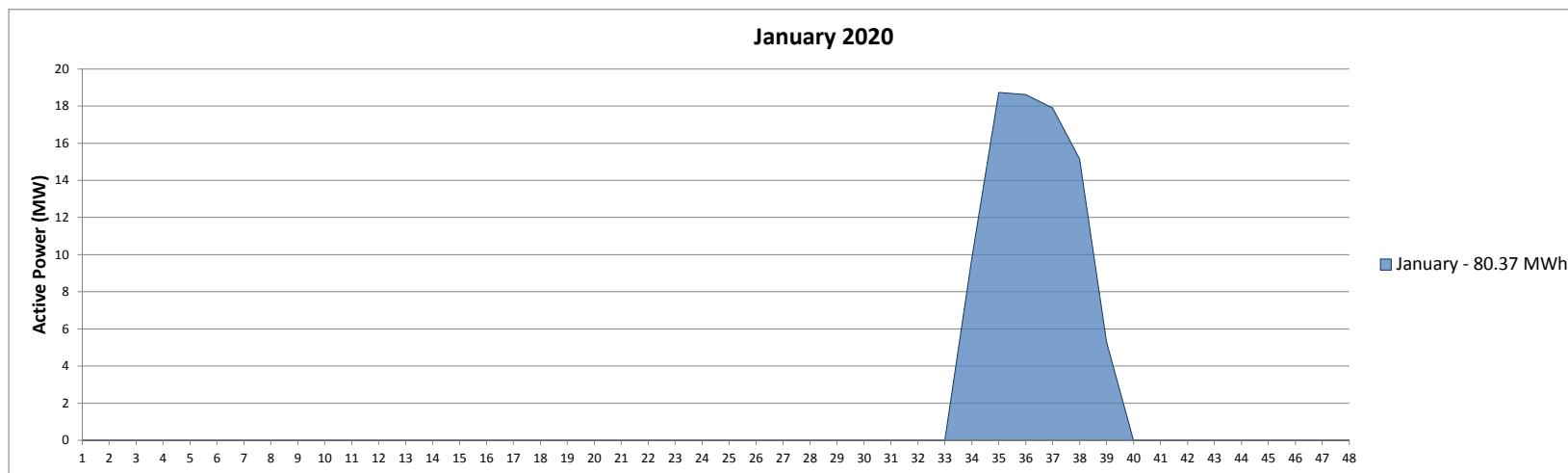
Flexibility Analysis Report for CMZ_T3B_EM_0007 – Bletchley

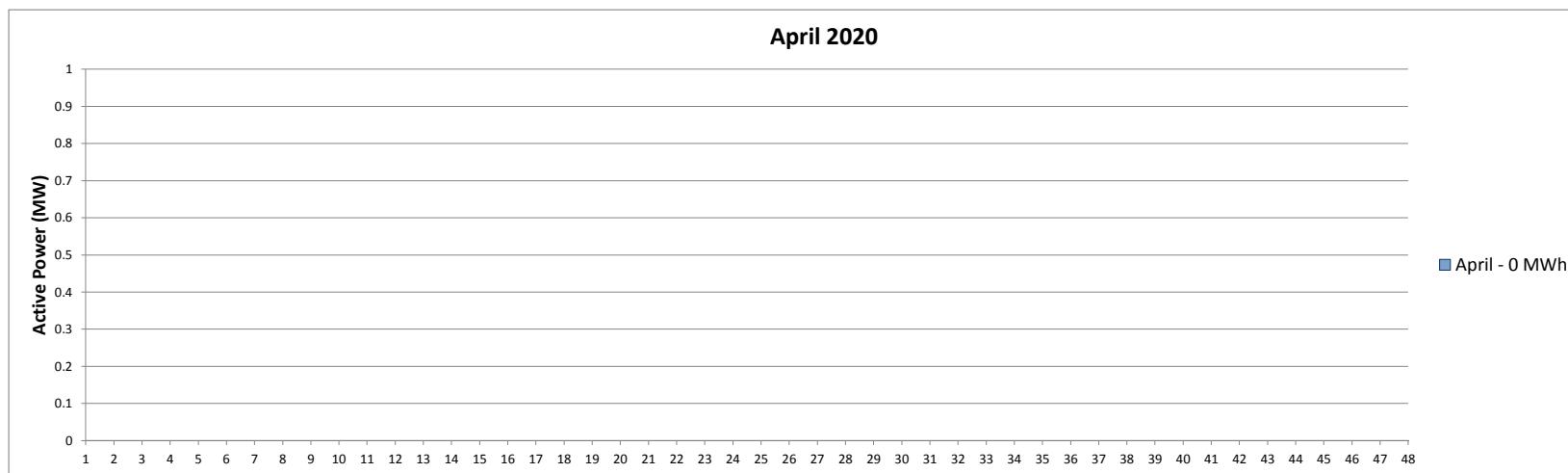
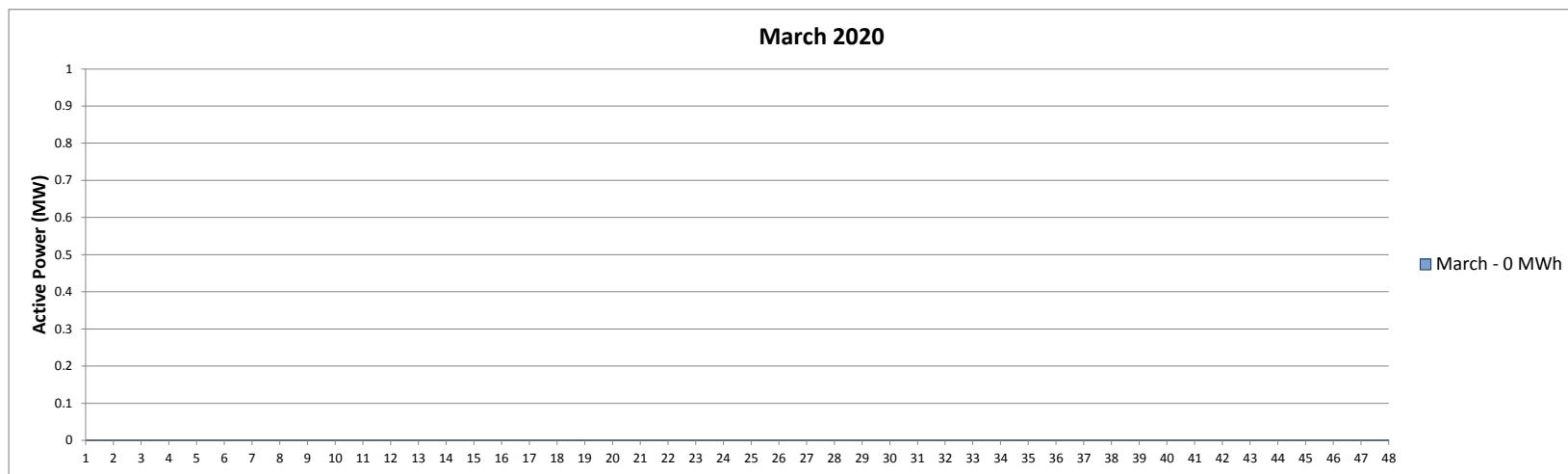


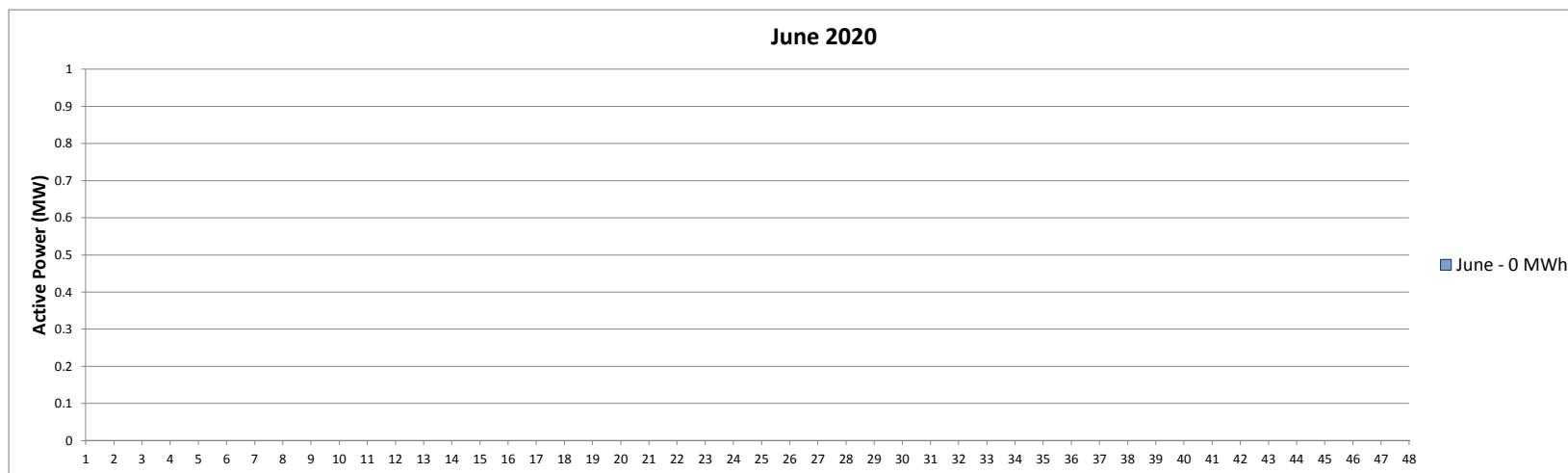
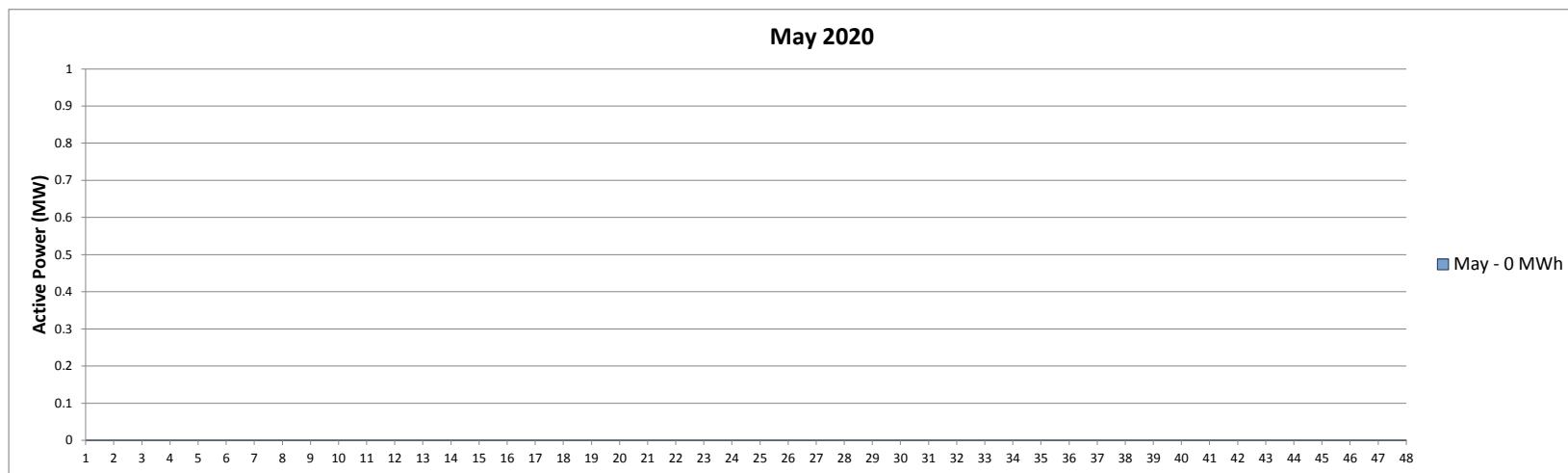
Products	Season	MW Peak
Dynamic	Winter	16.1

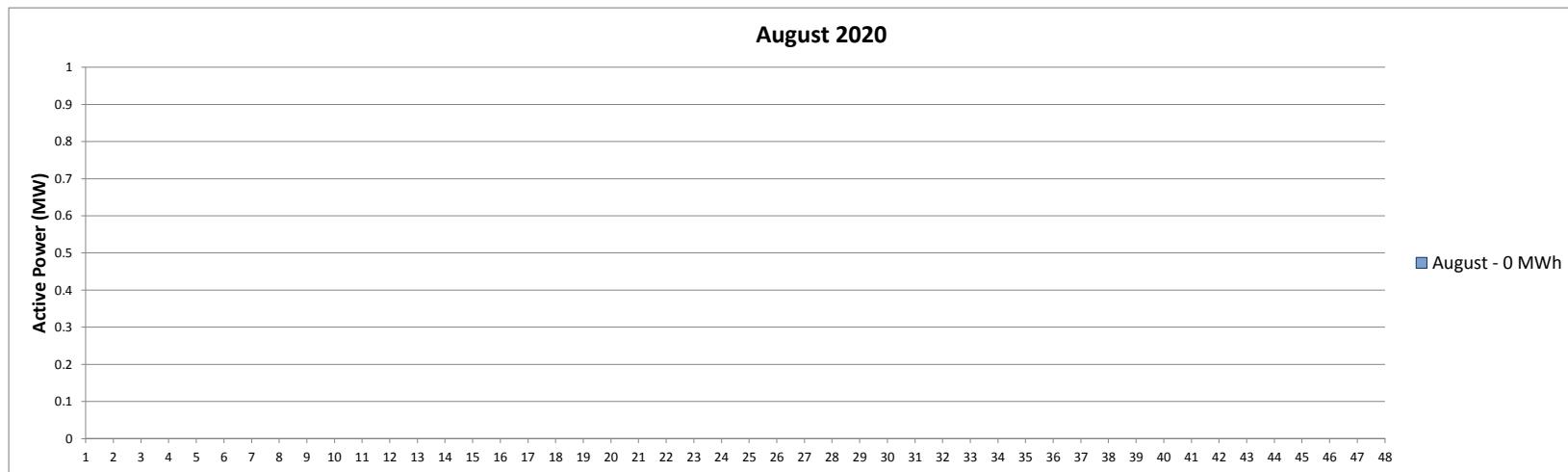
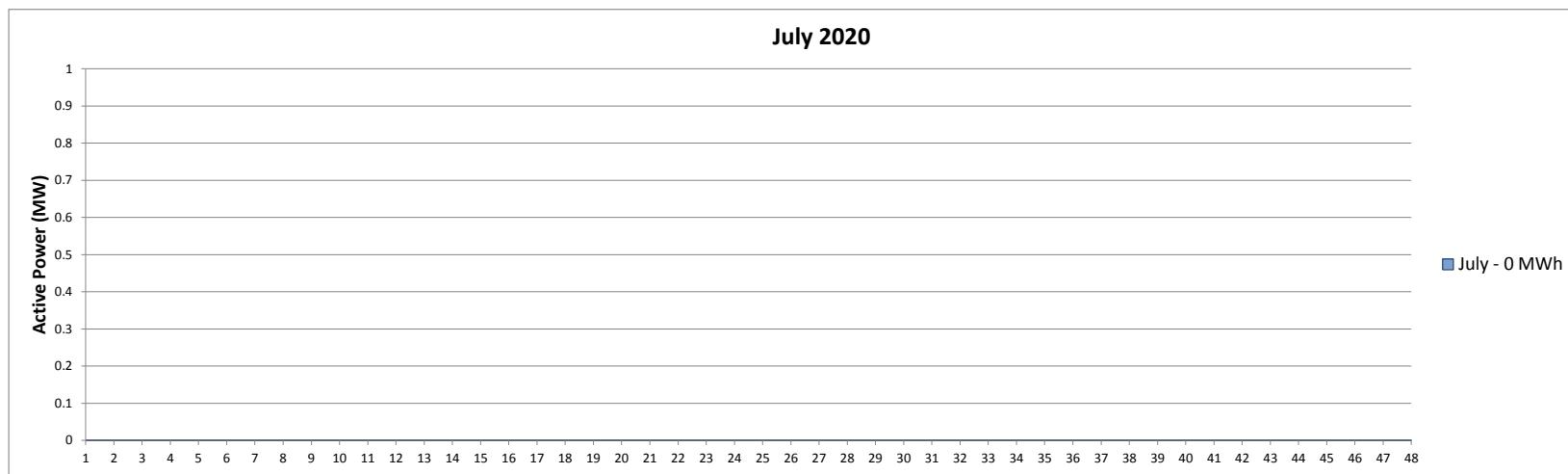


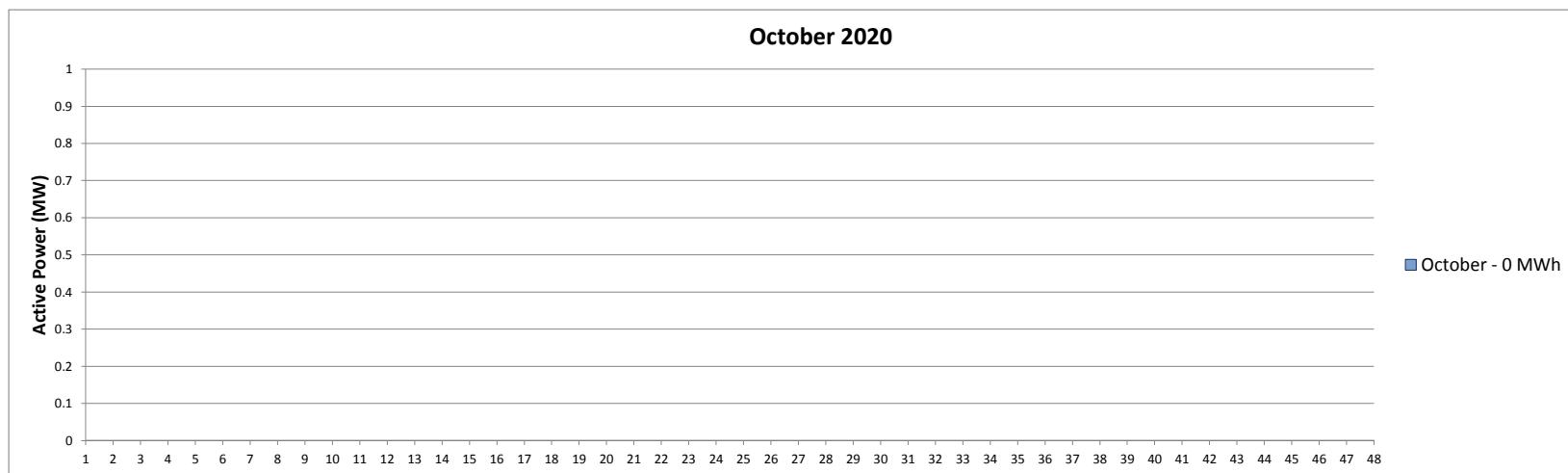
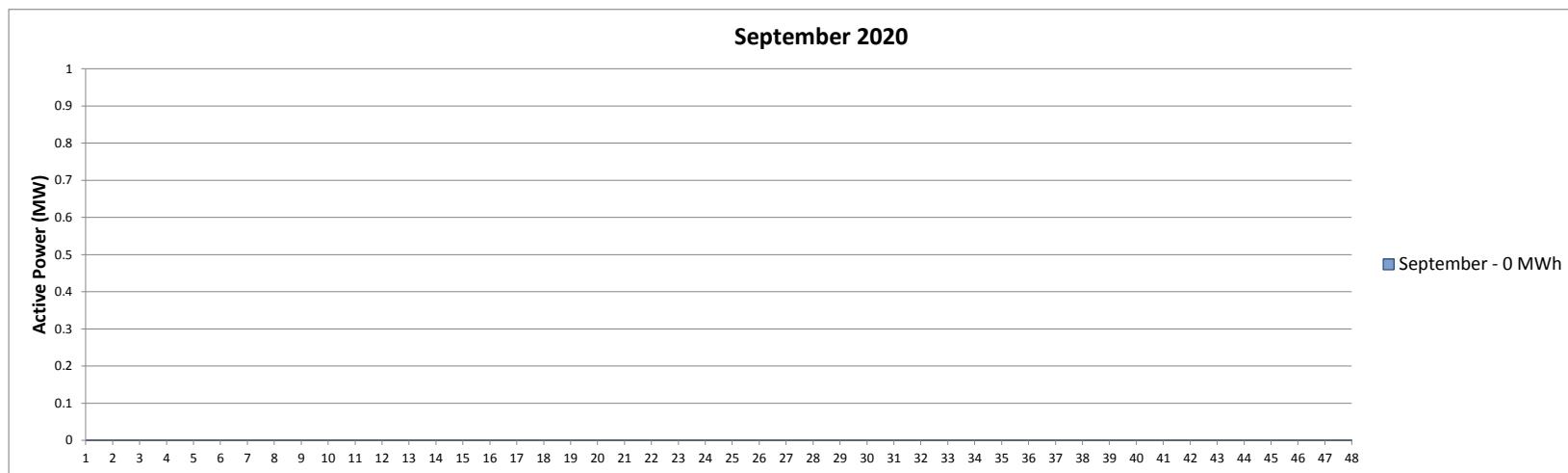




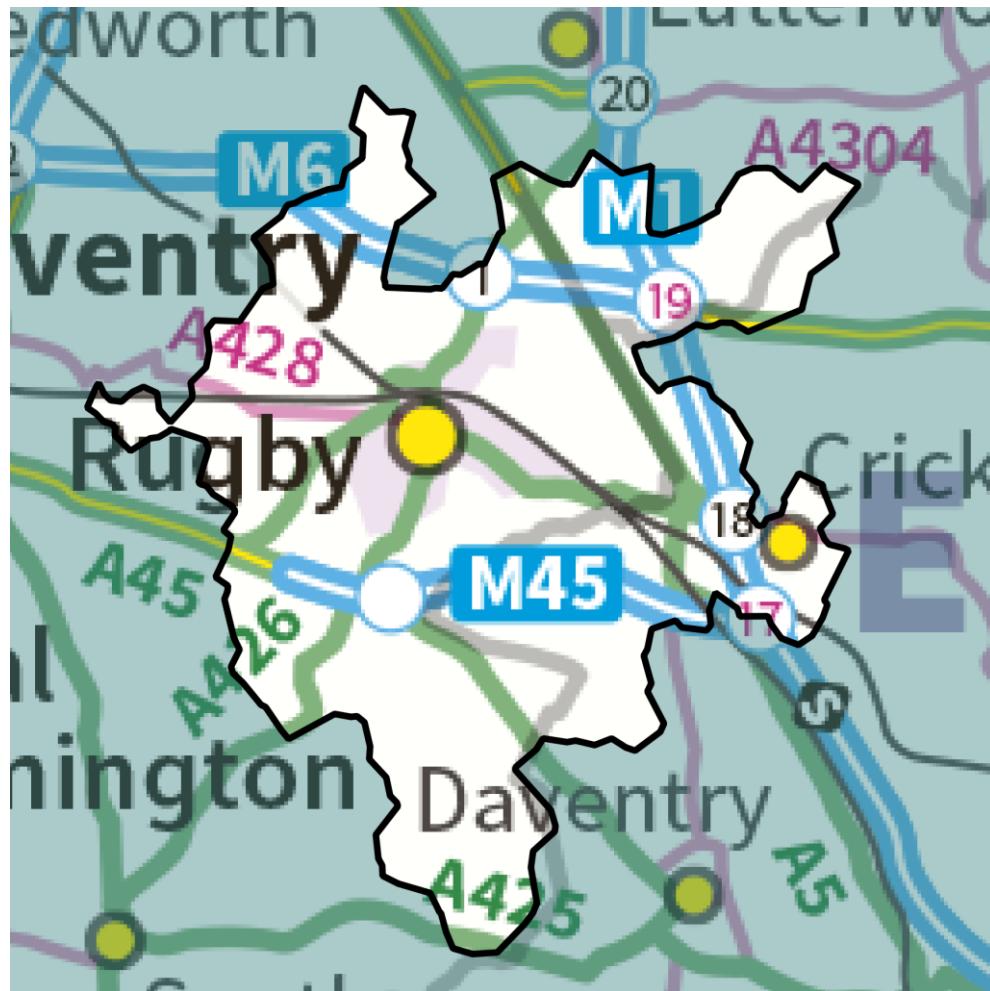




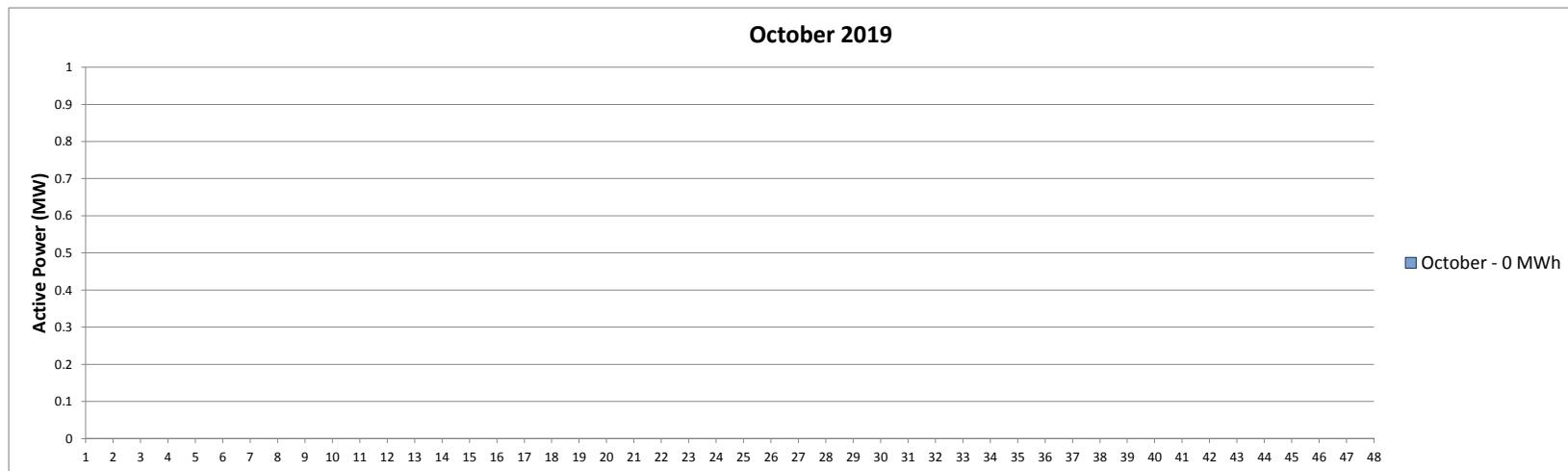
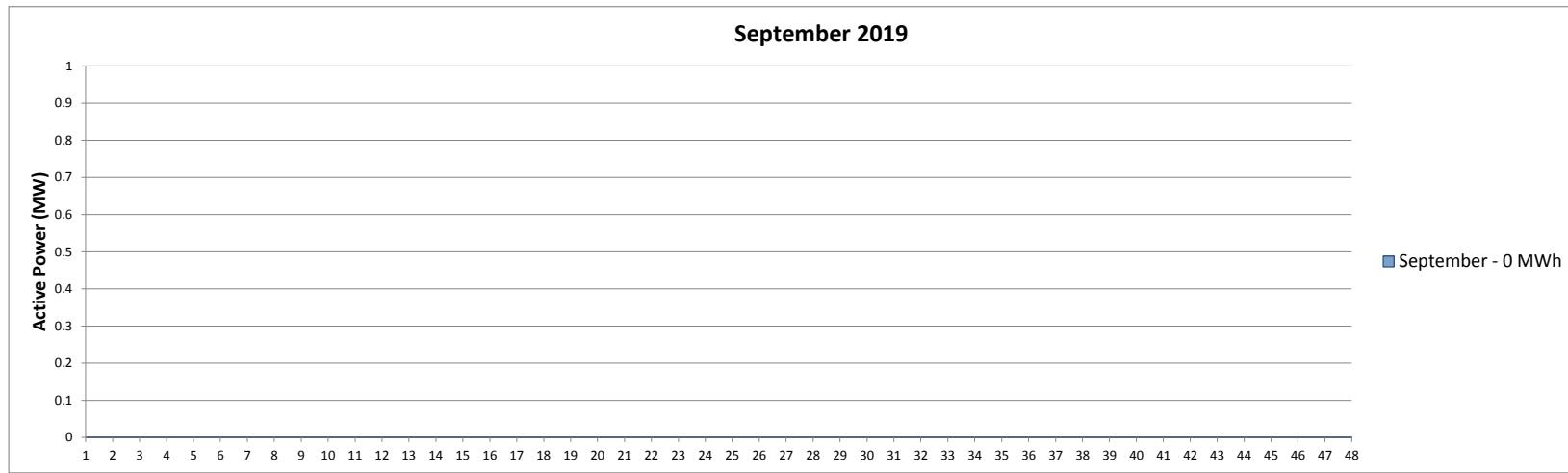


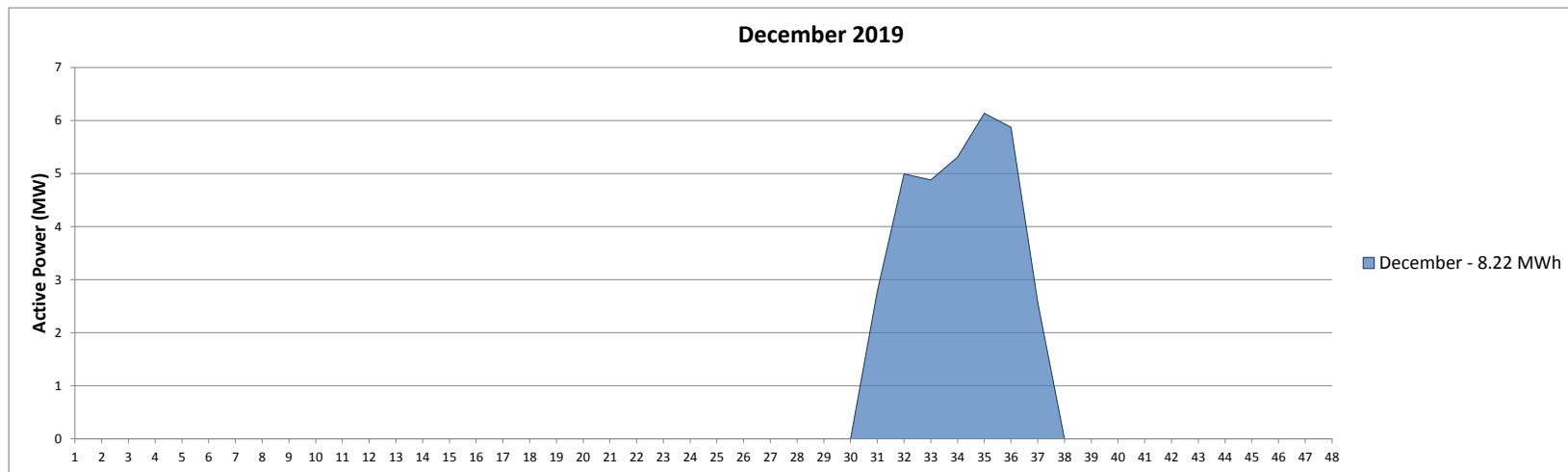
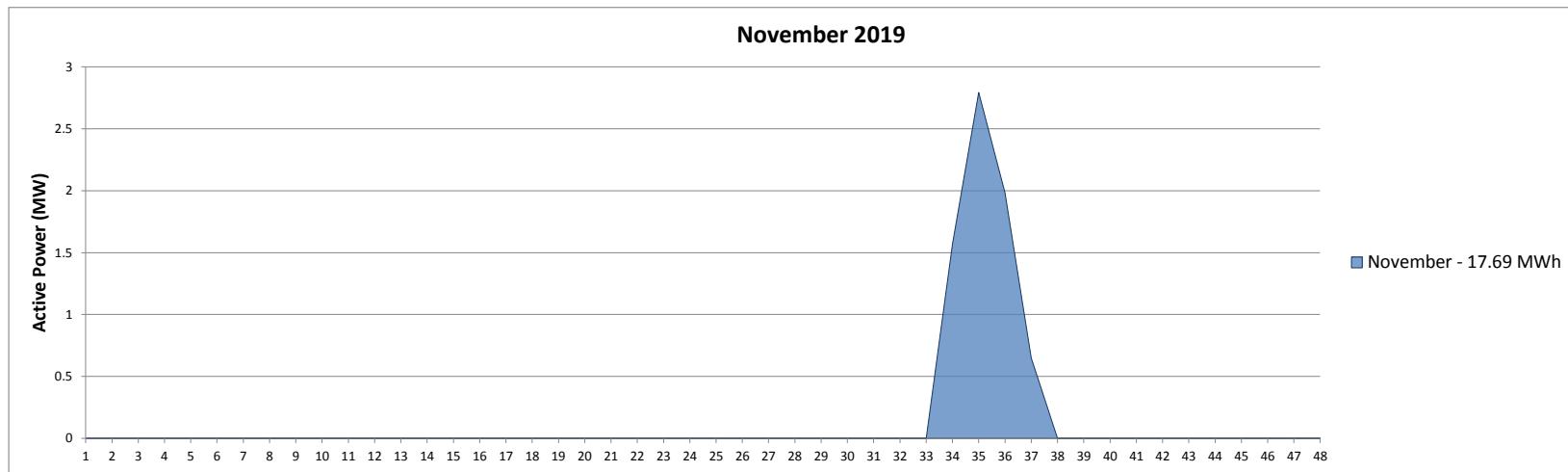


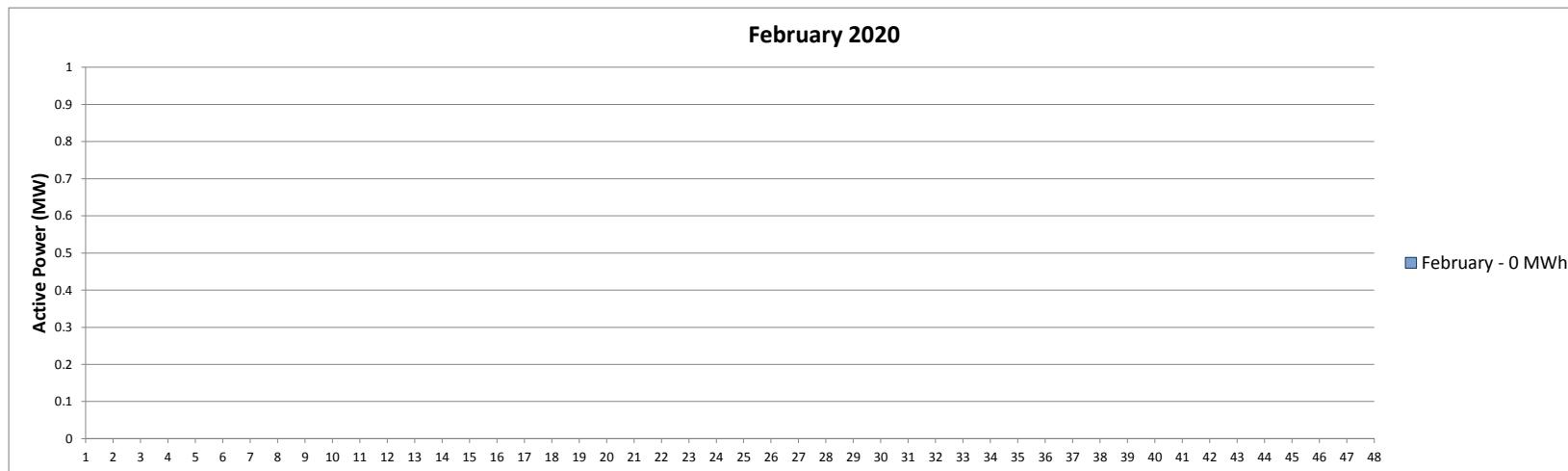
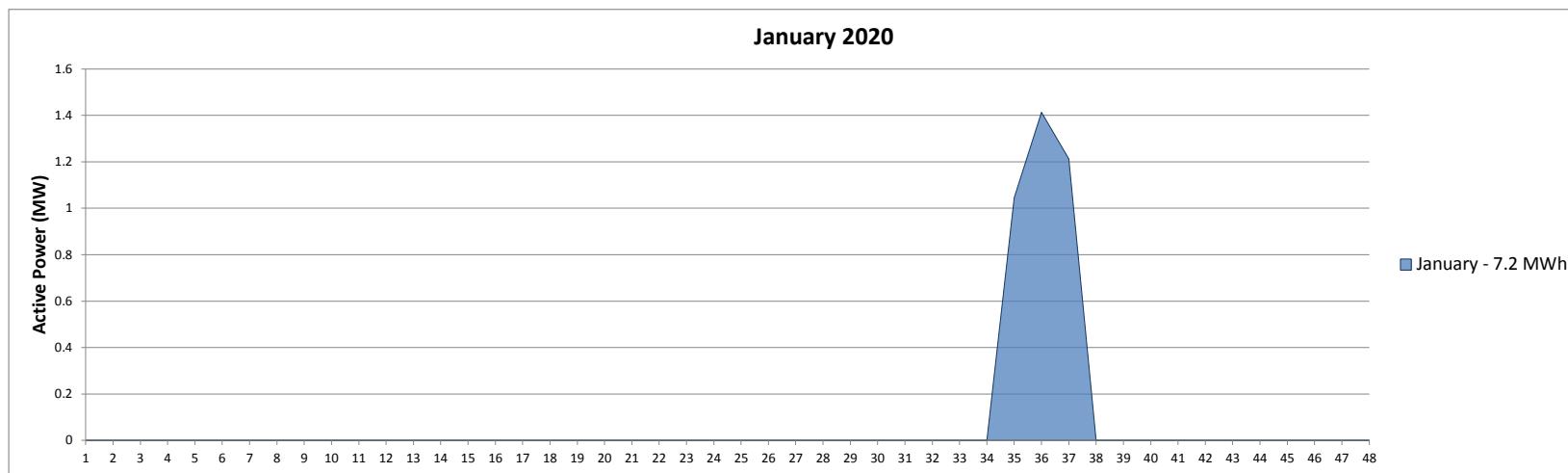
Flexibility Analysis Report for CMZ_T3B_EM_0008 – Rugby

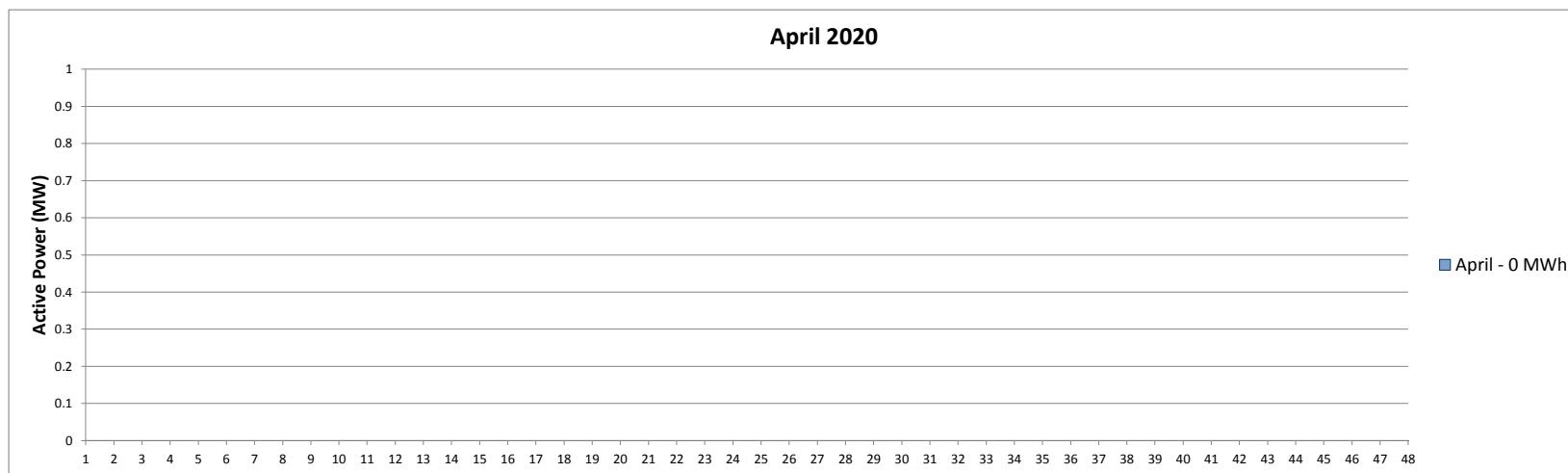
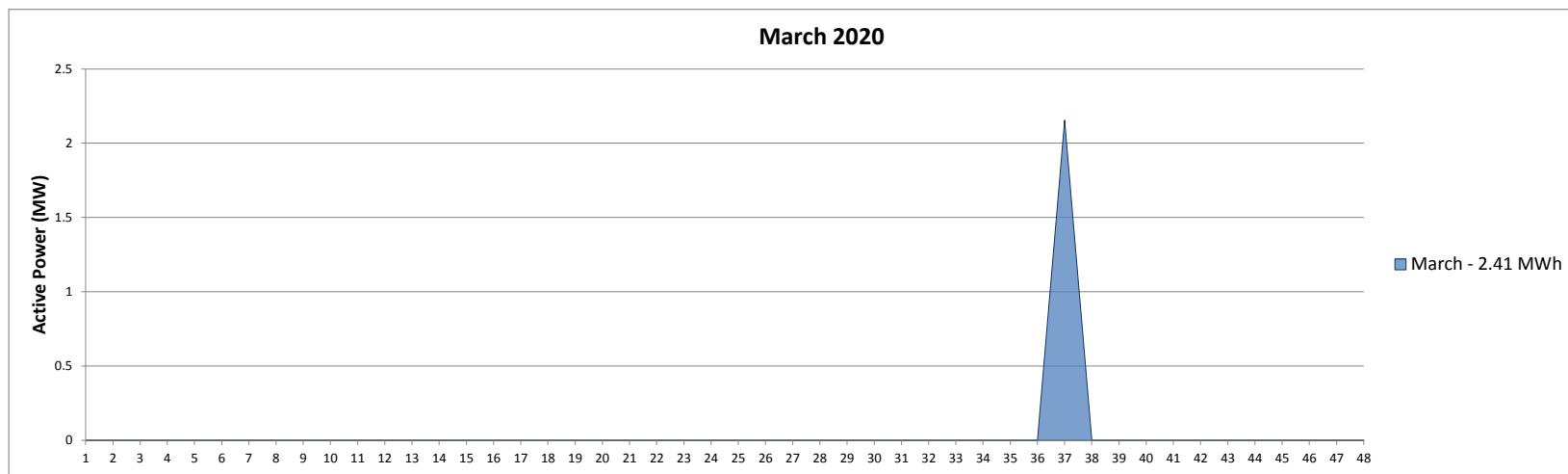


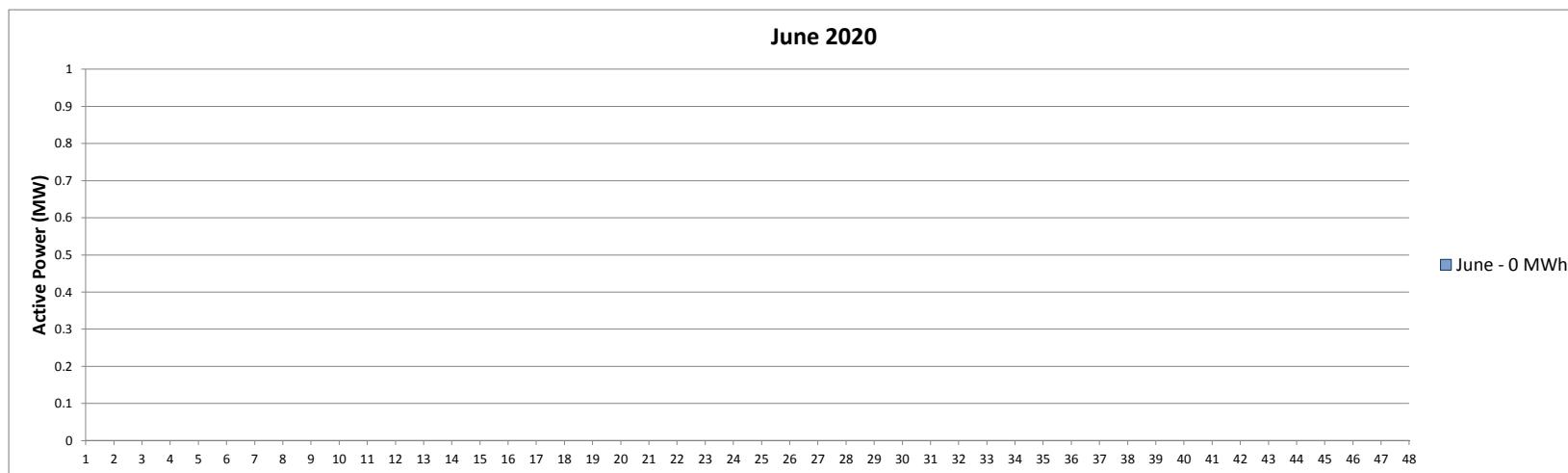
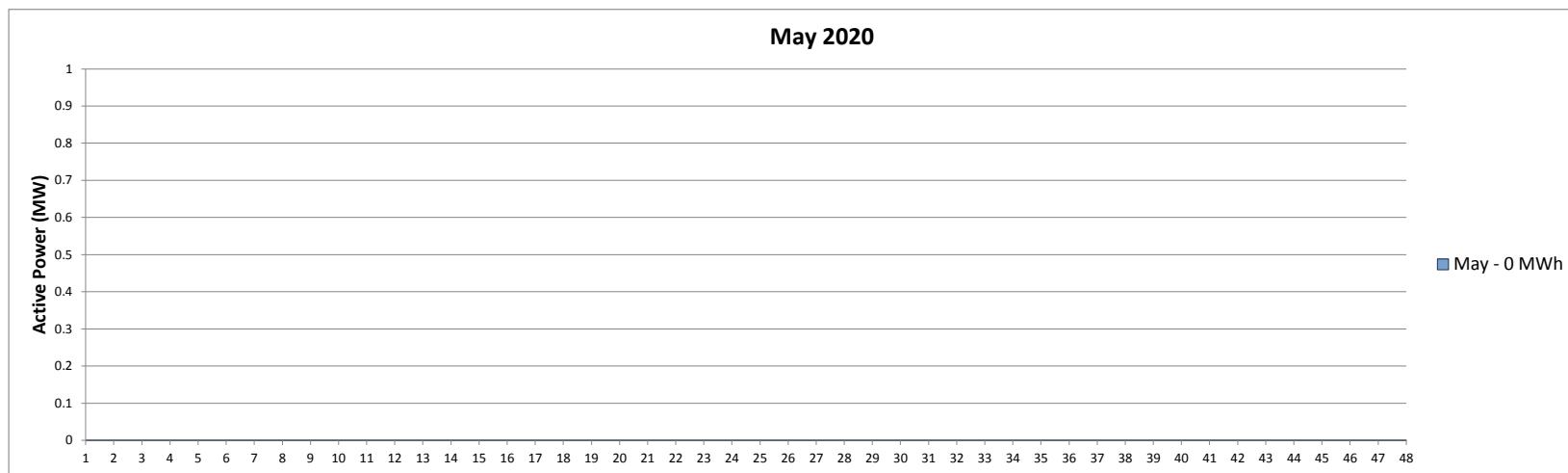
Products	Season	MW Peak
Secure	Winter	6.1

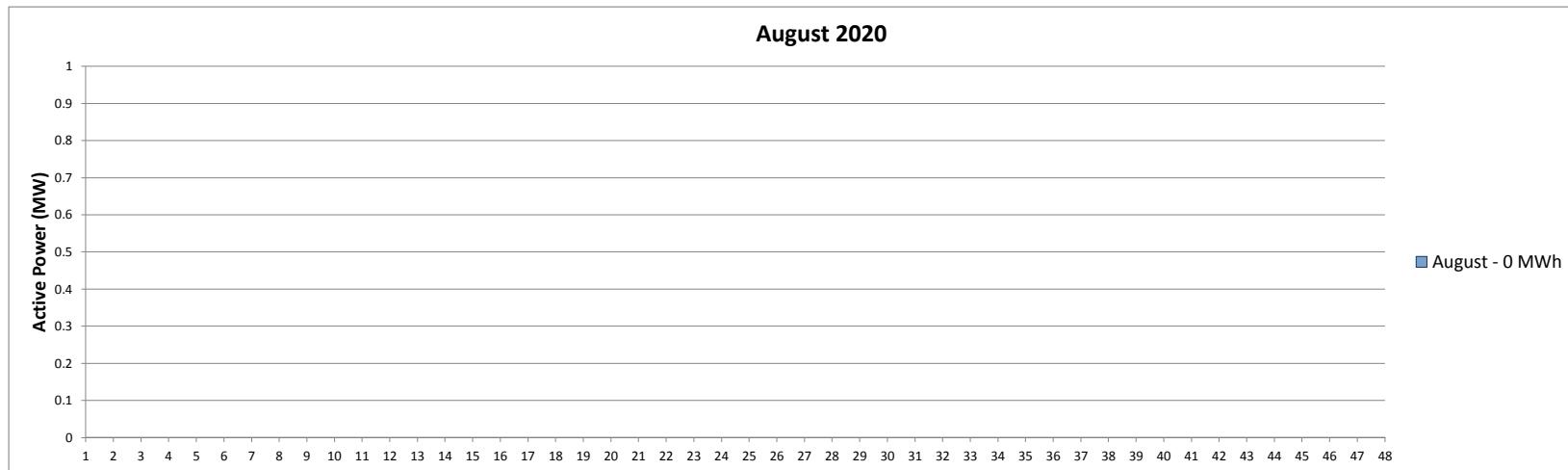
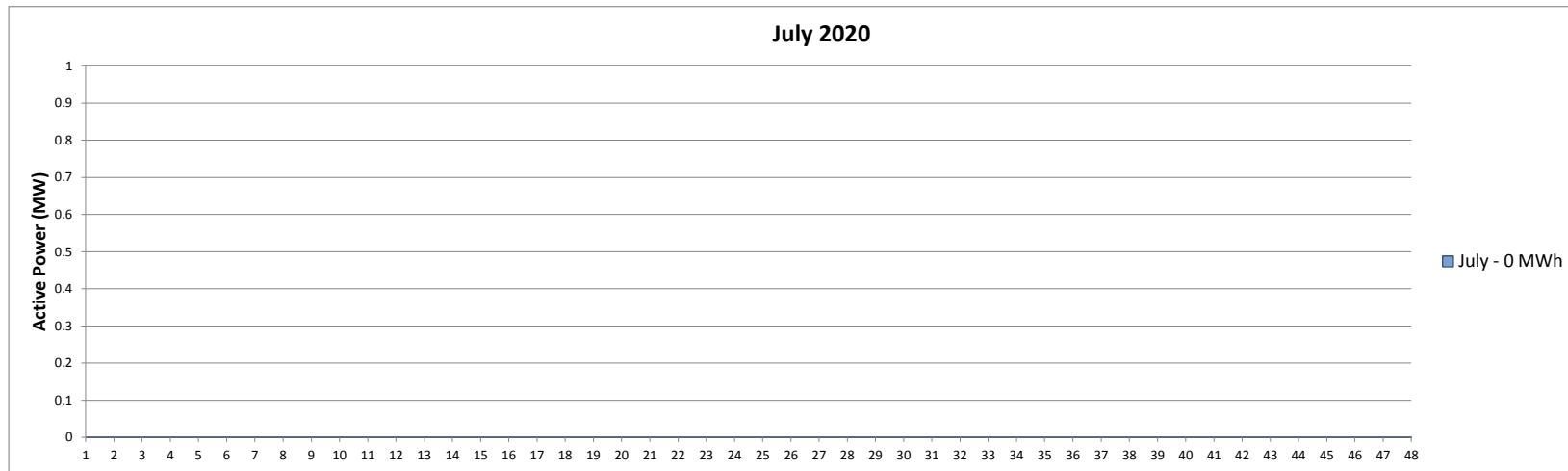


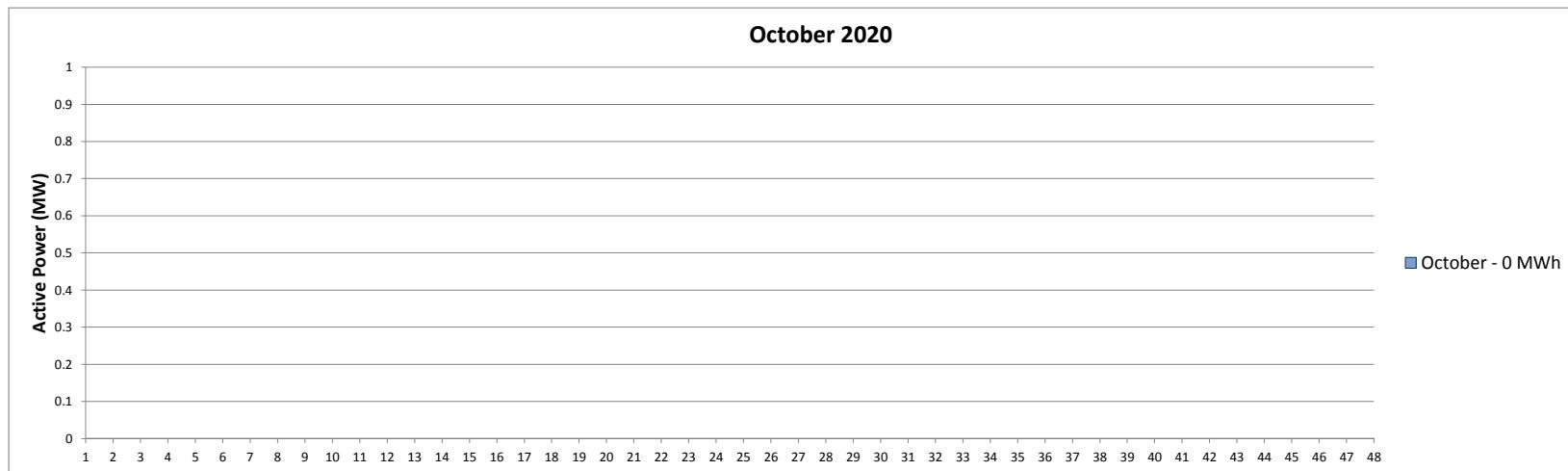
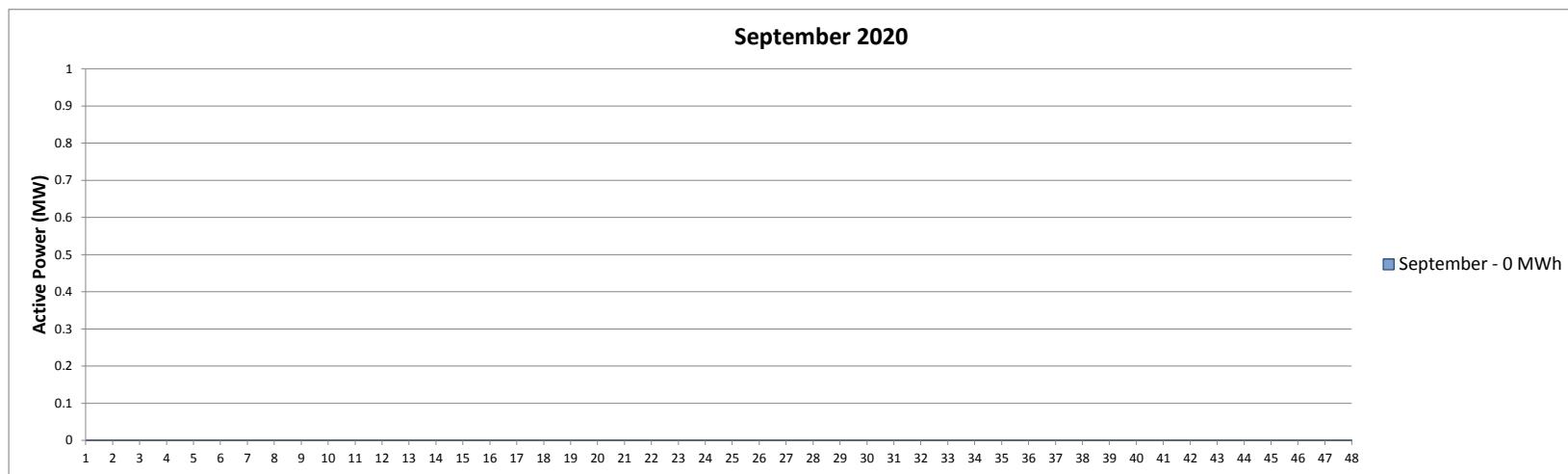








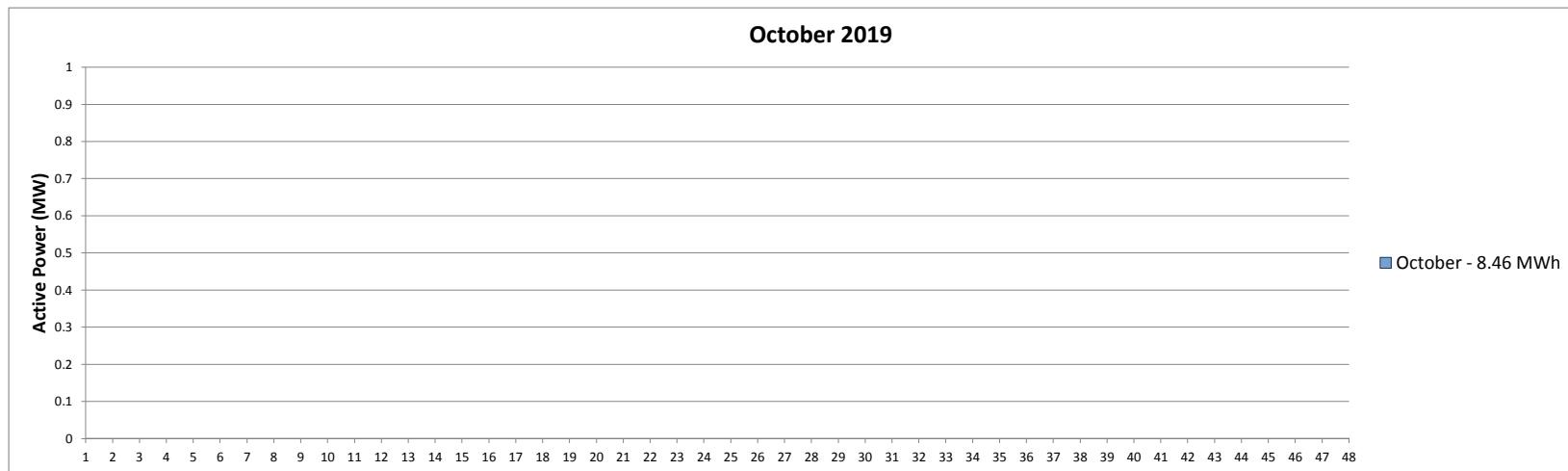
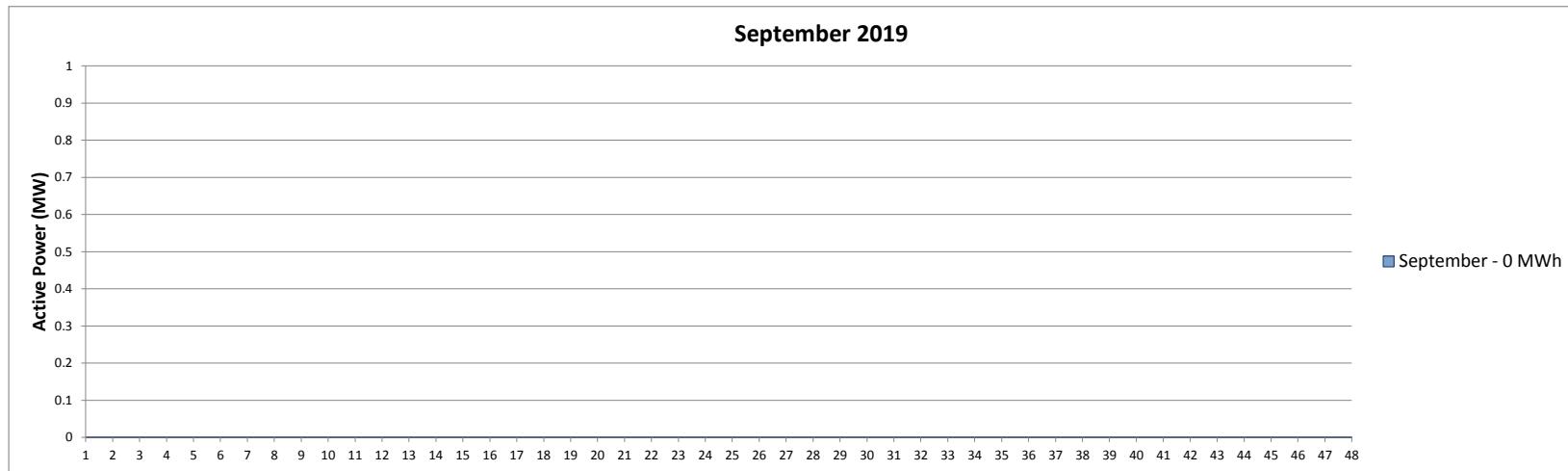


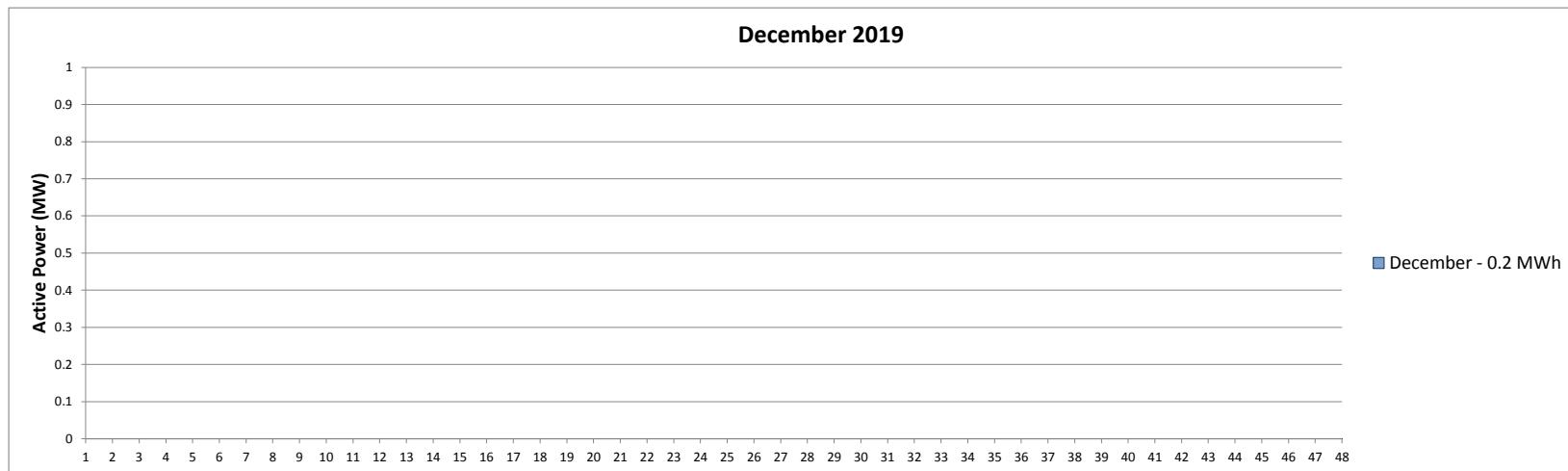
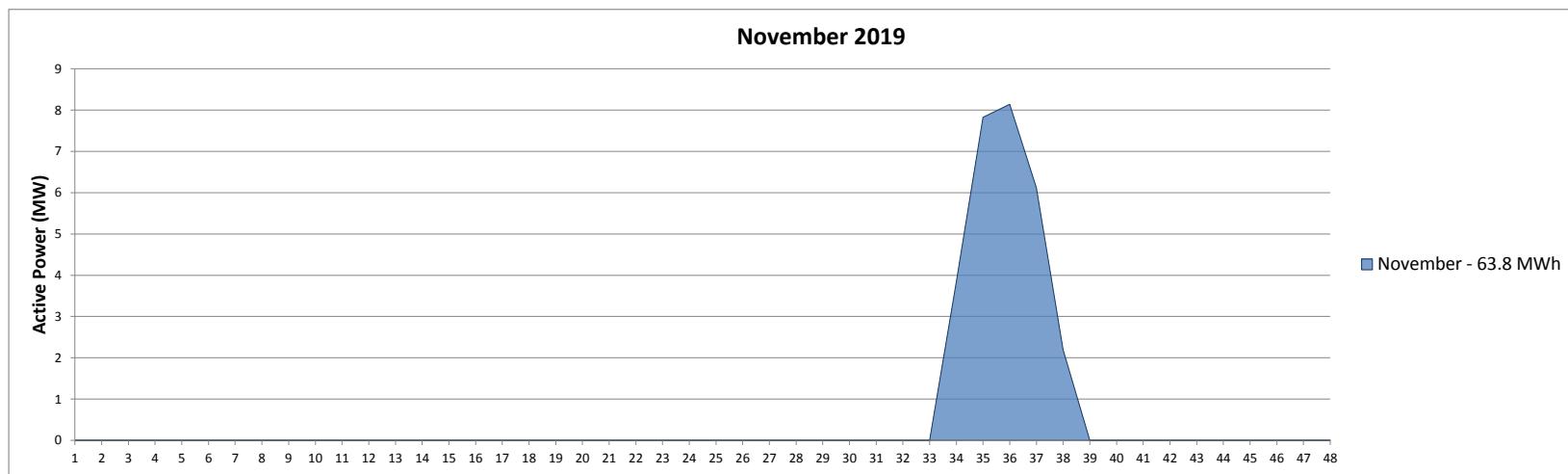


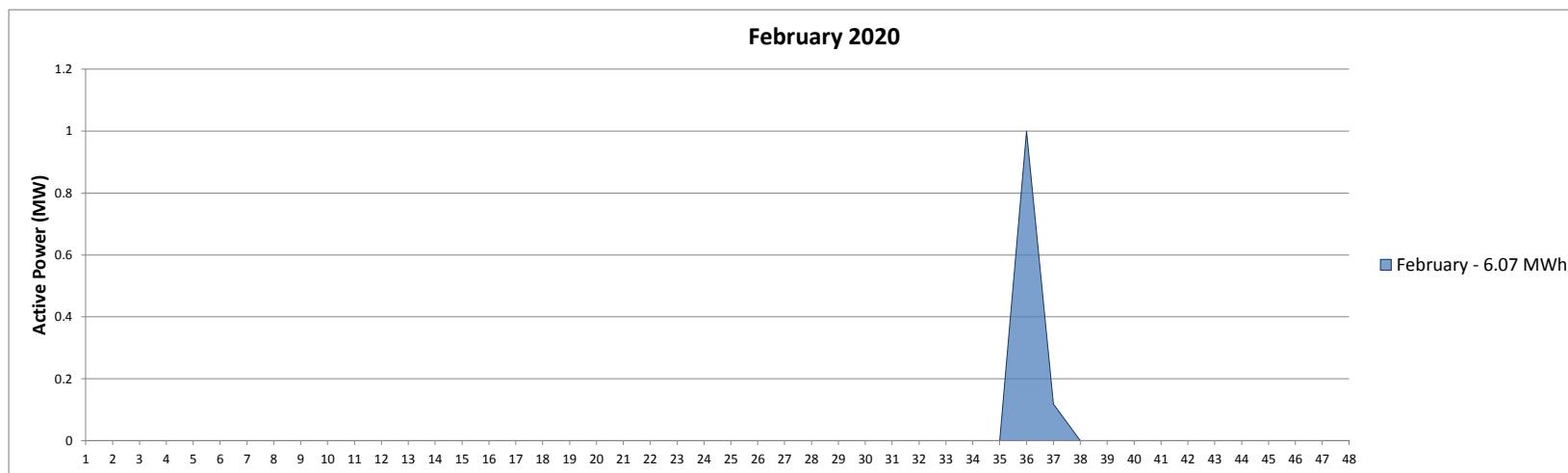
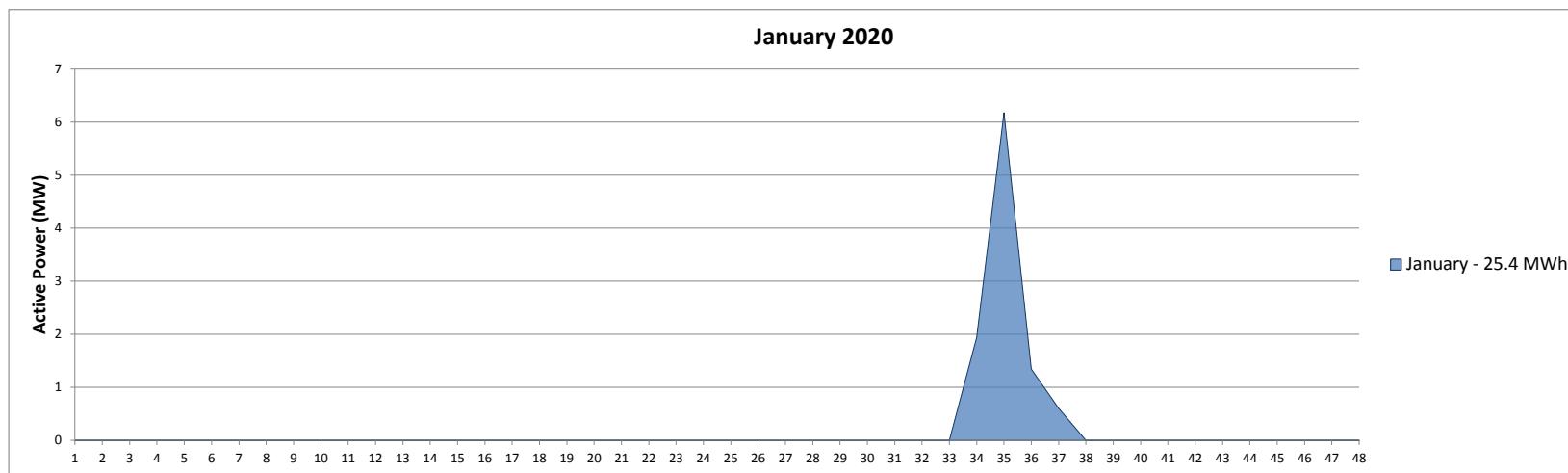
Flexibility Analysis Report for CMZ_T3B_SWE_0007 – Hayle/Camborne

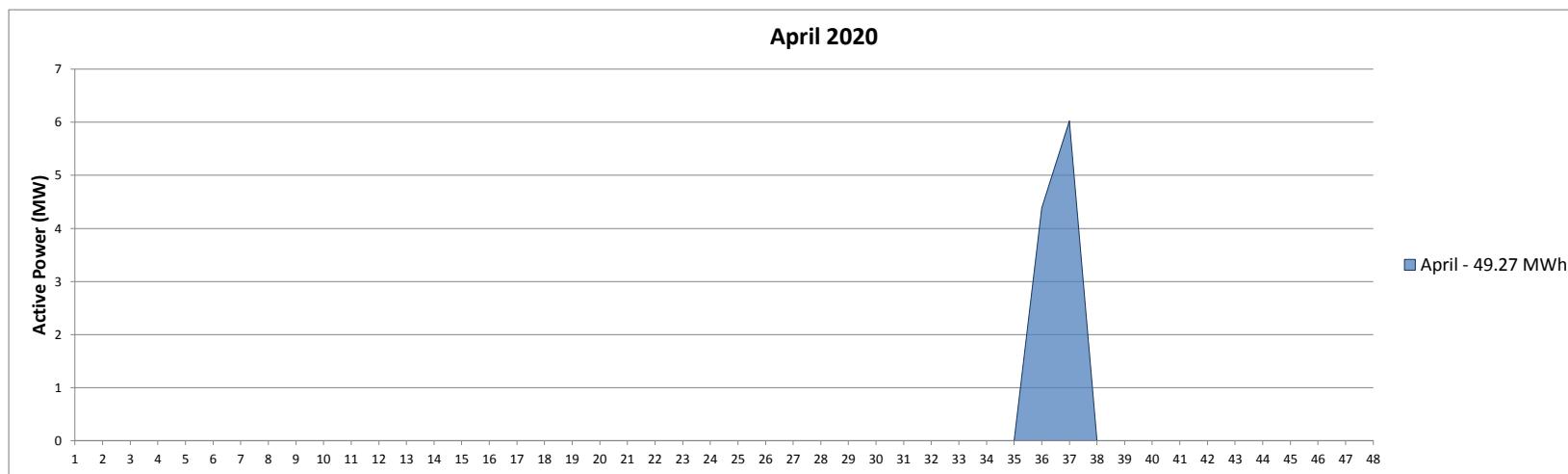
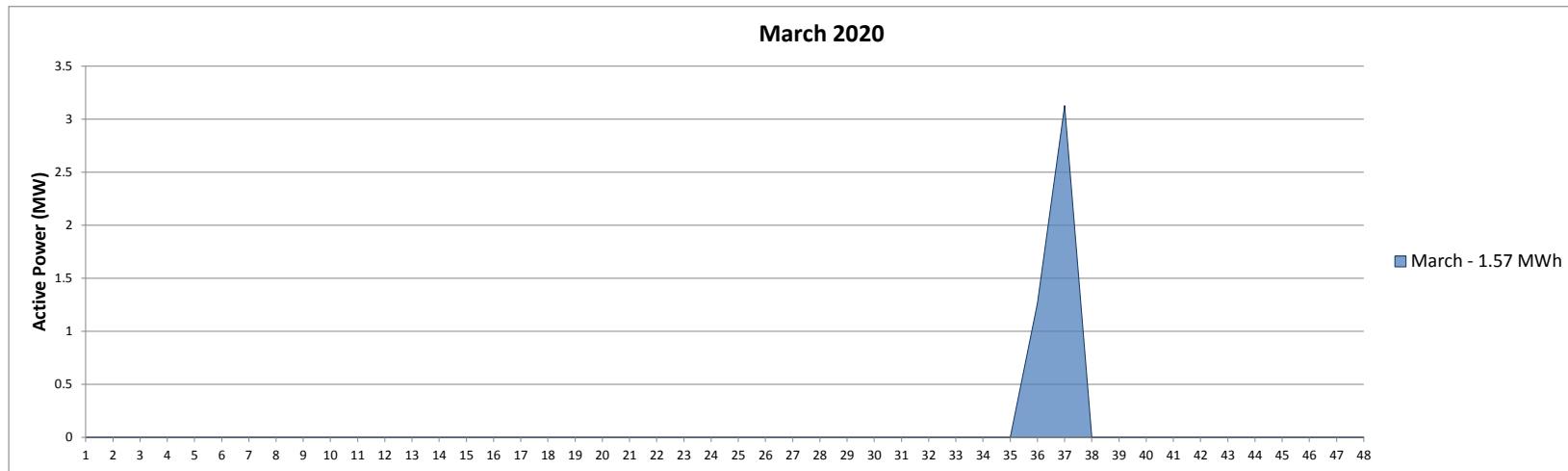


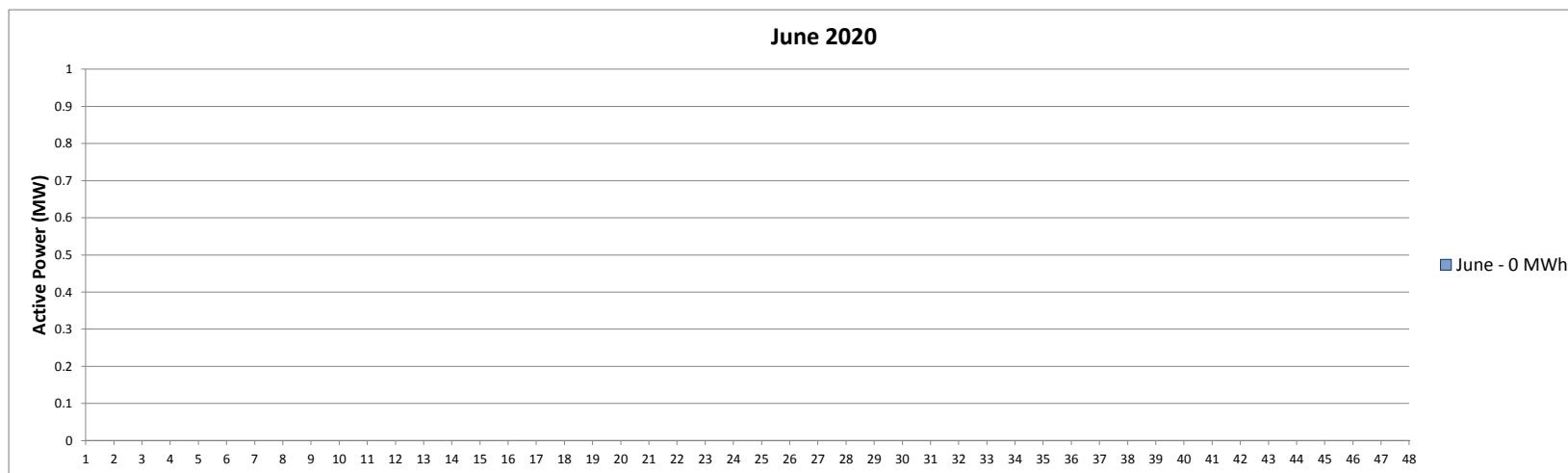
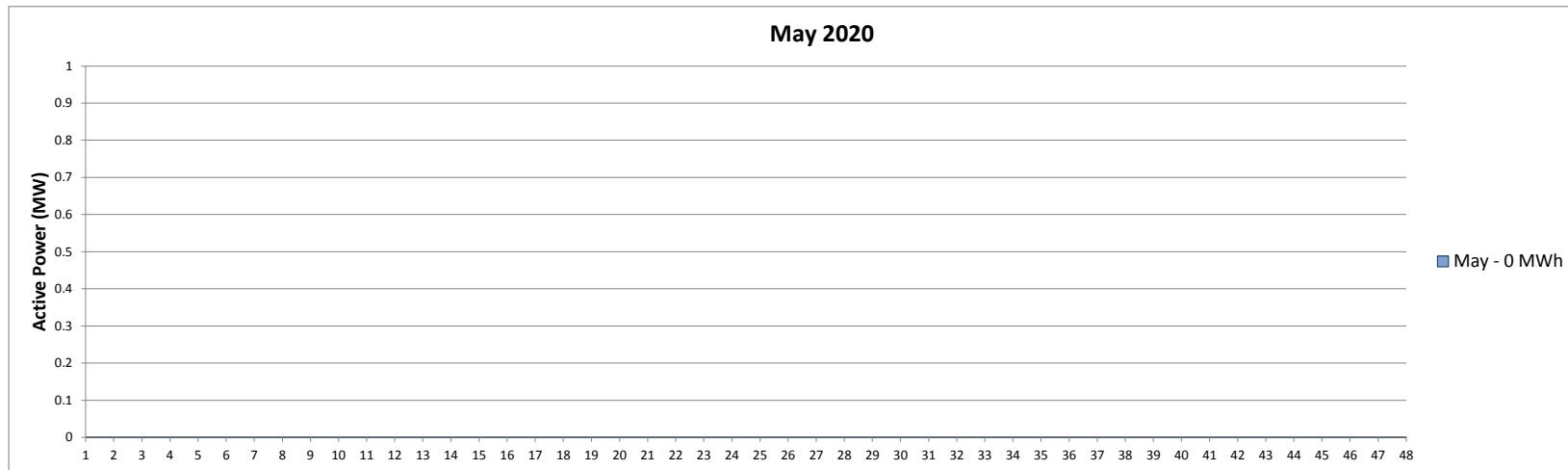
Products	Season	MW Peak
Secure	Winter	8.1

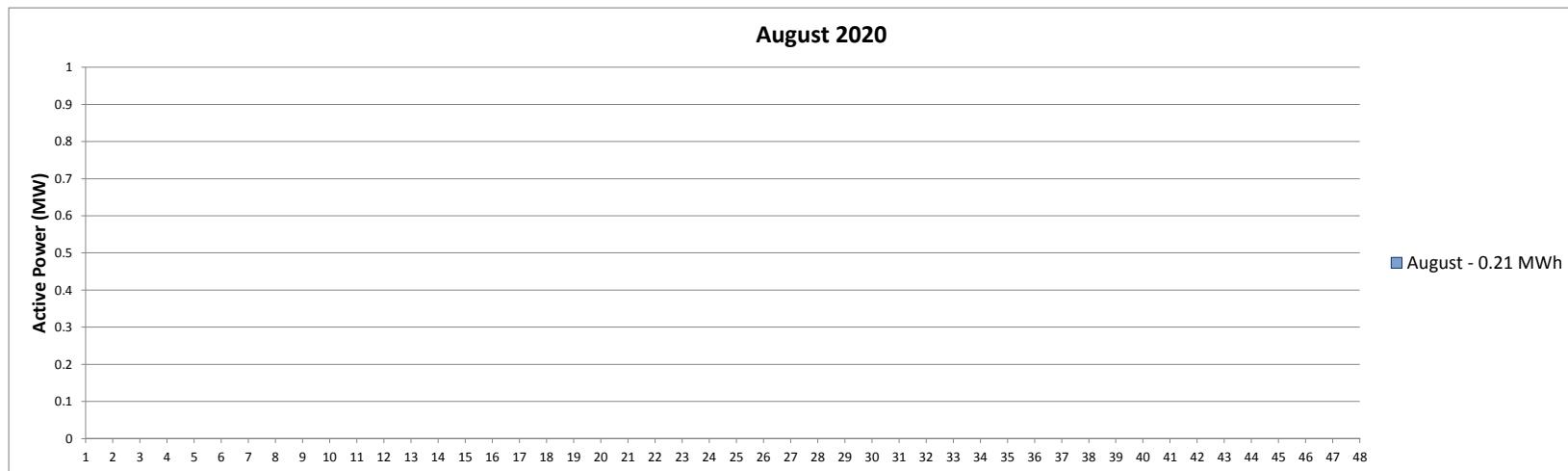
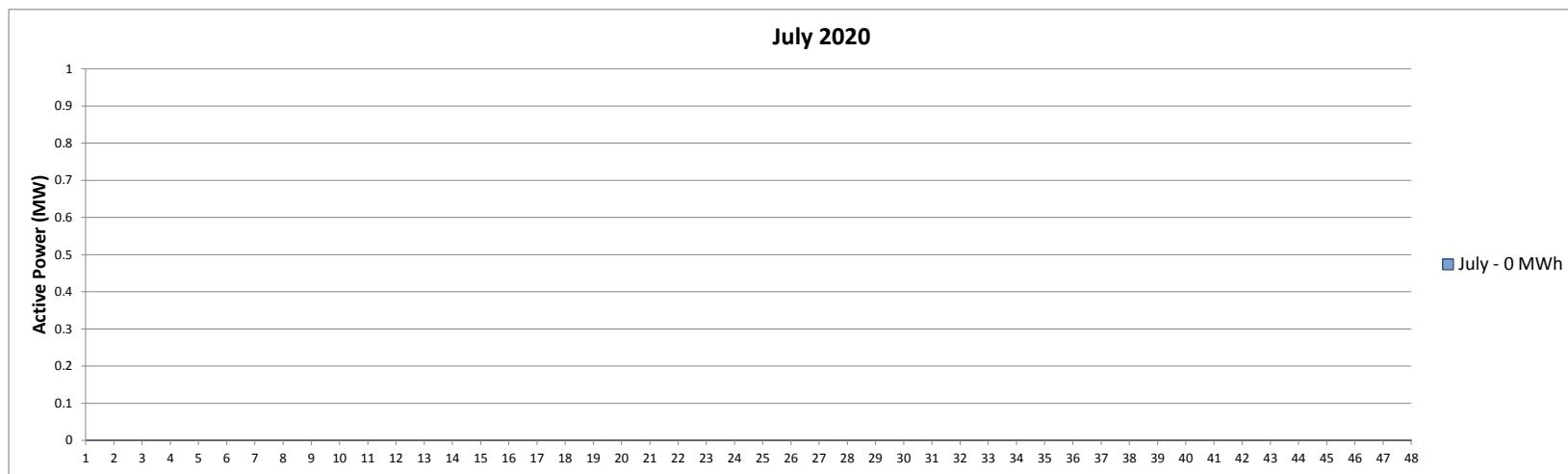


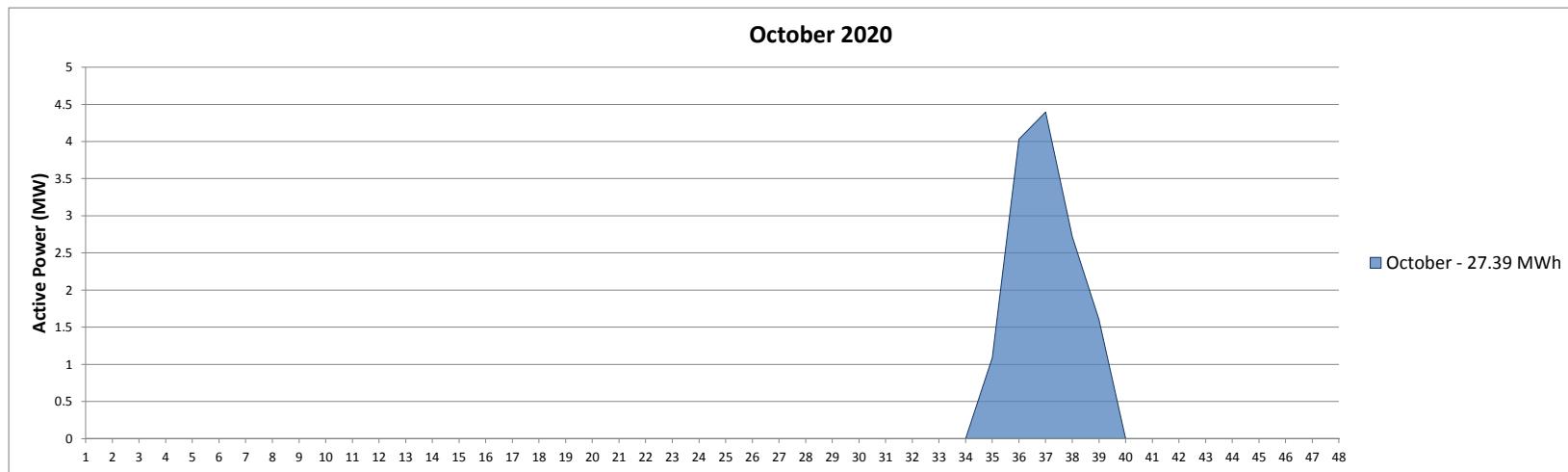
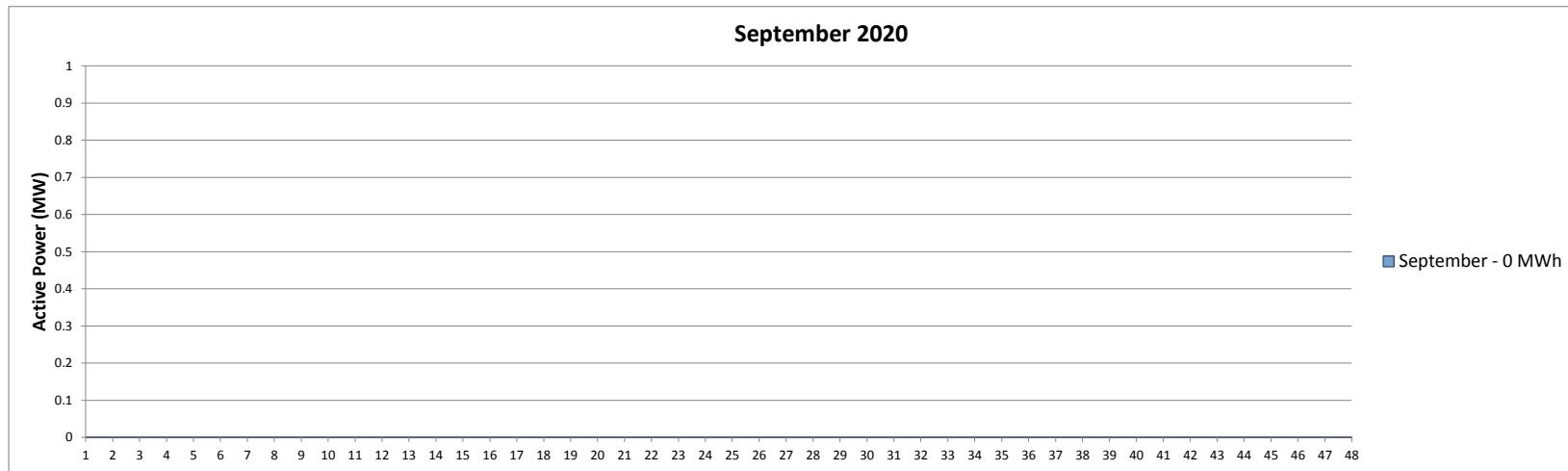




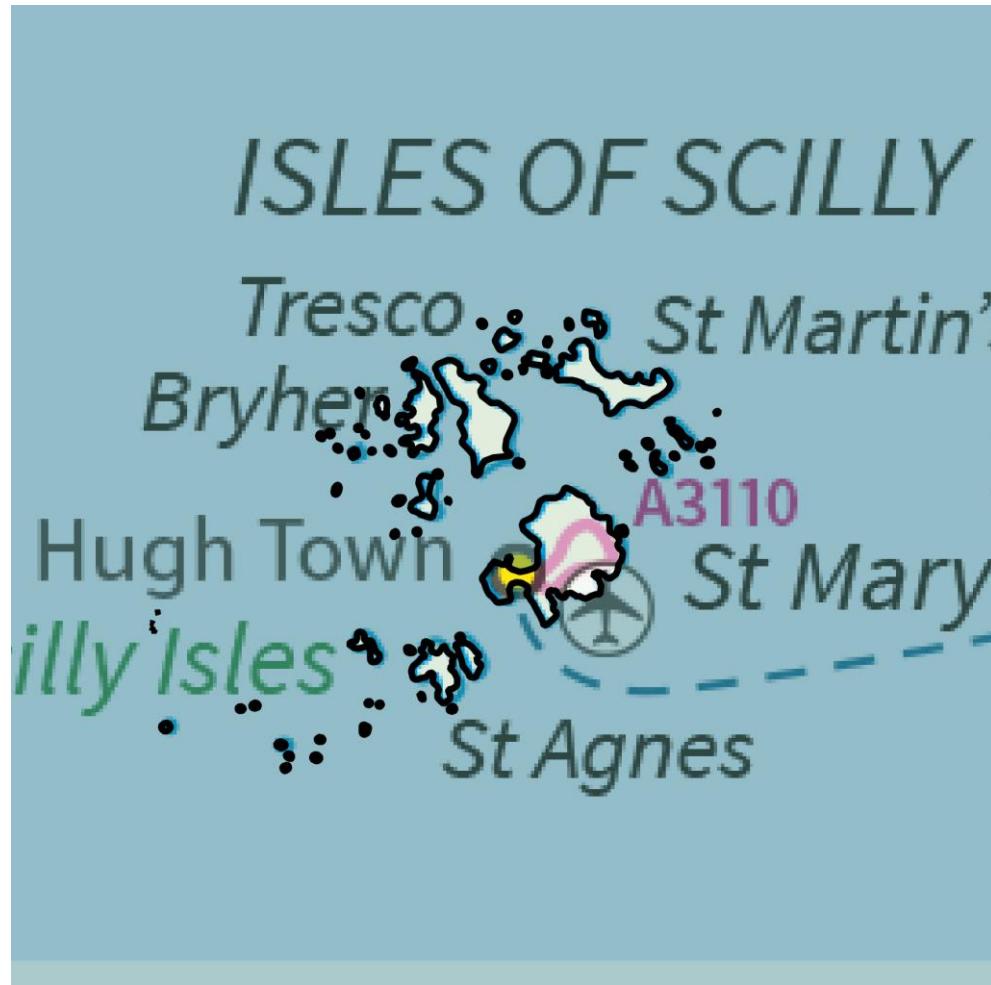




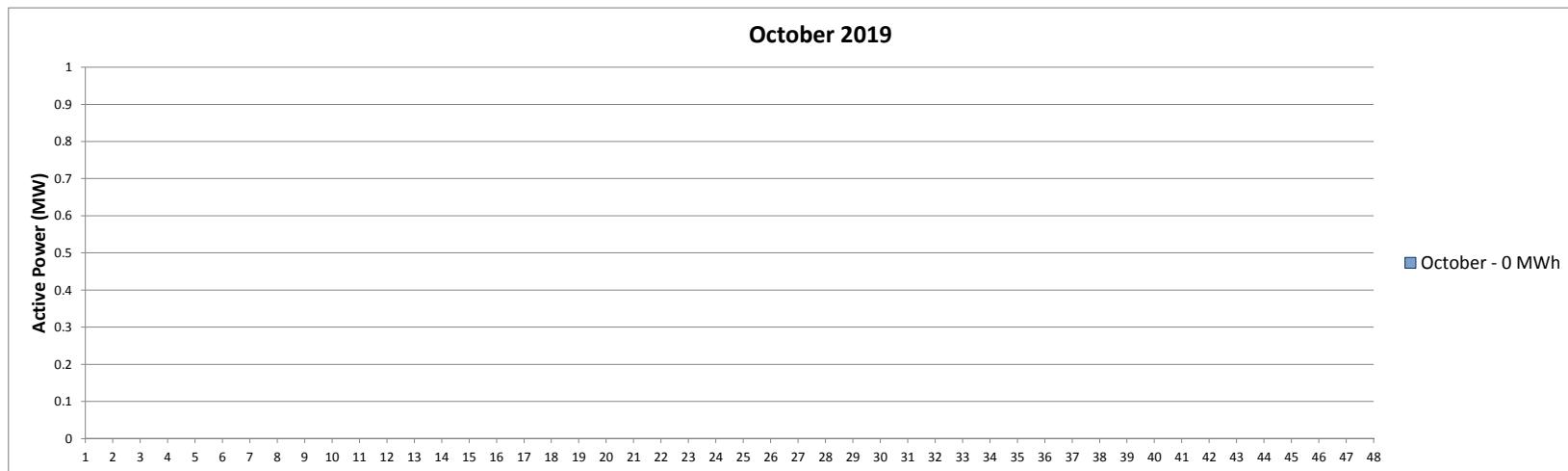
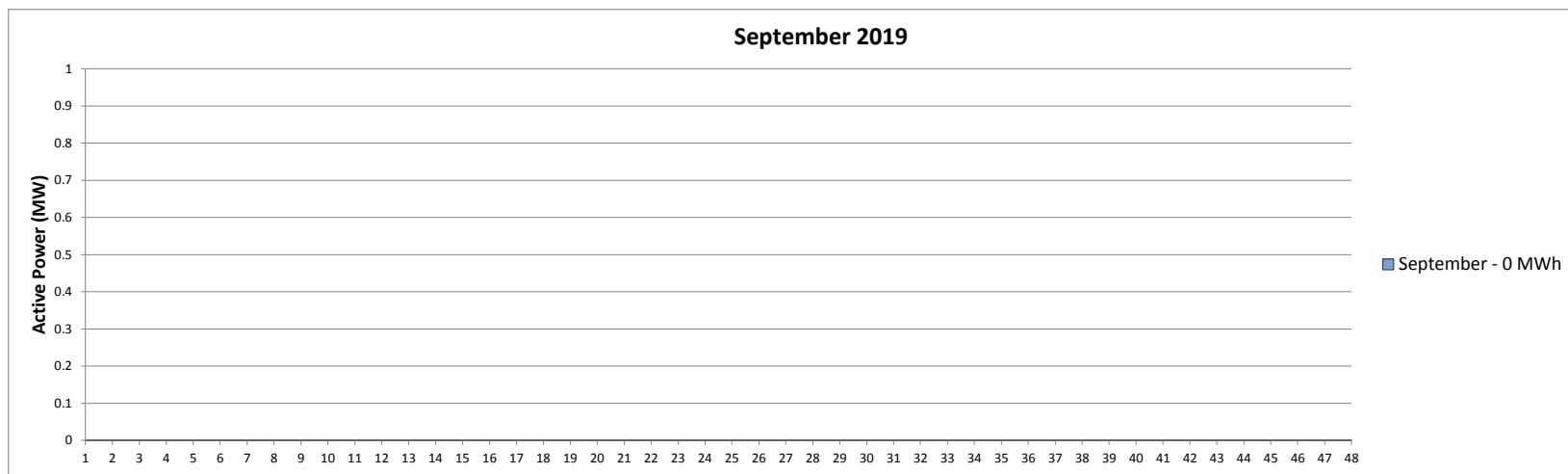


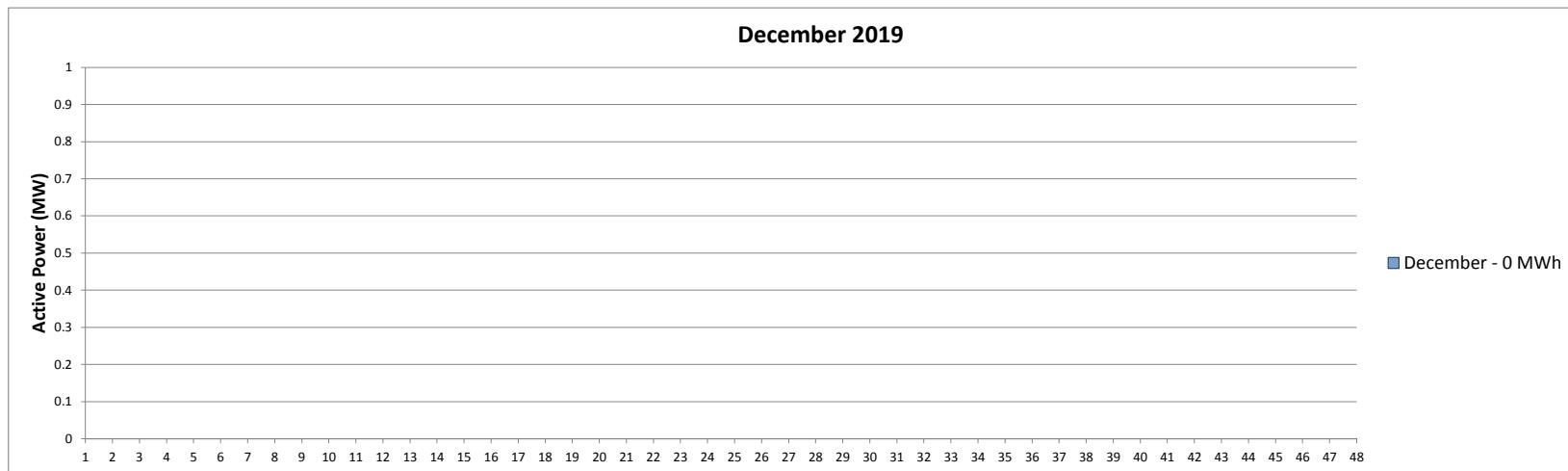
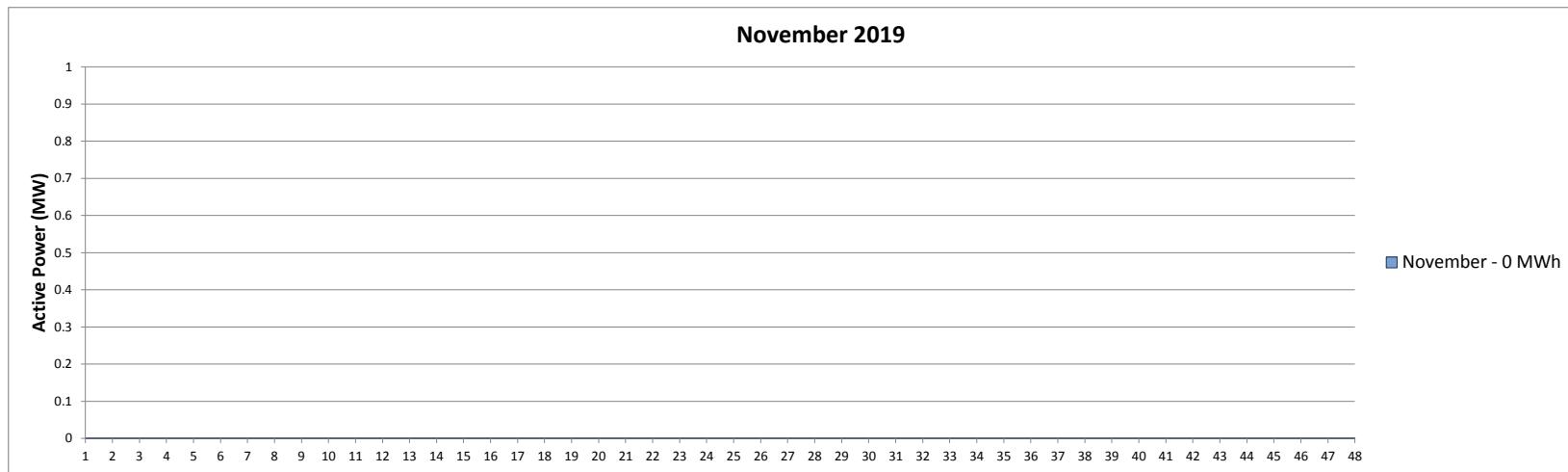


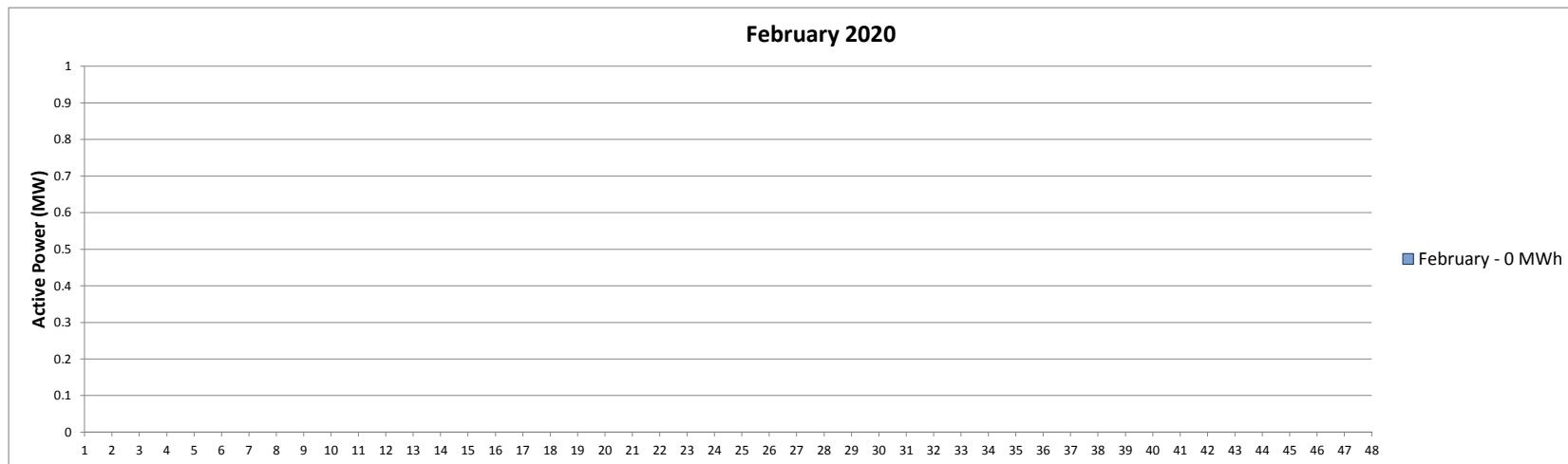
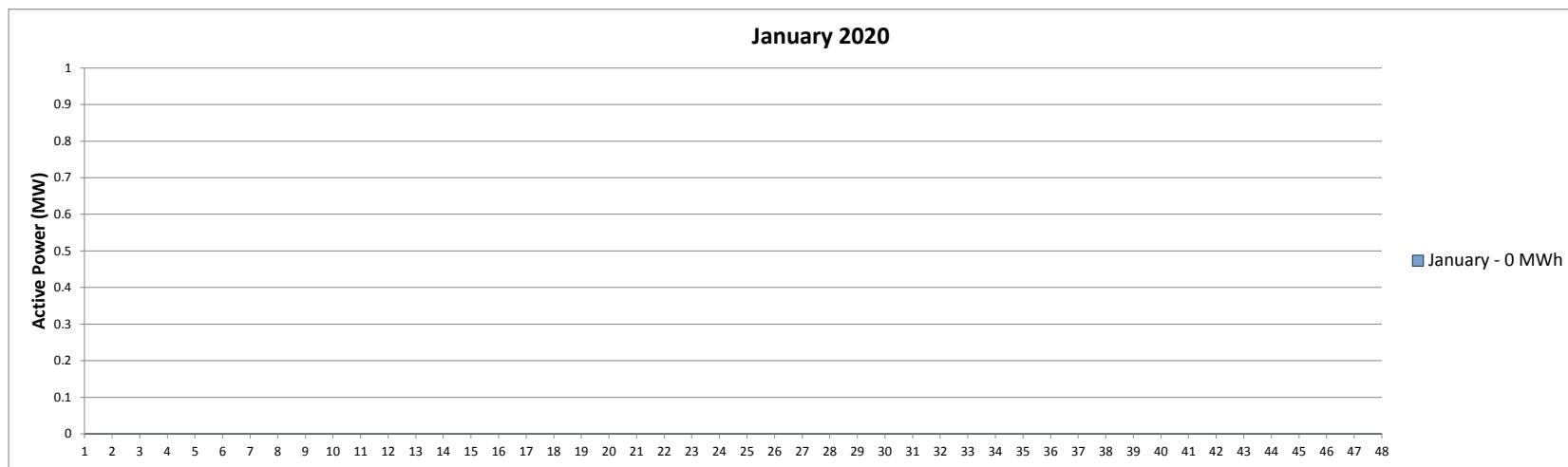
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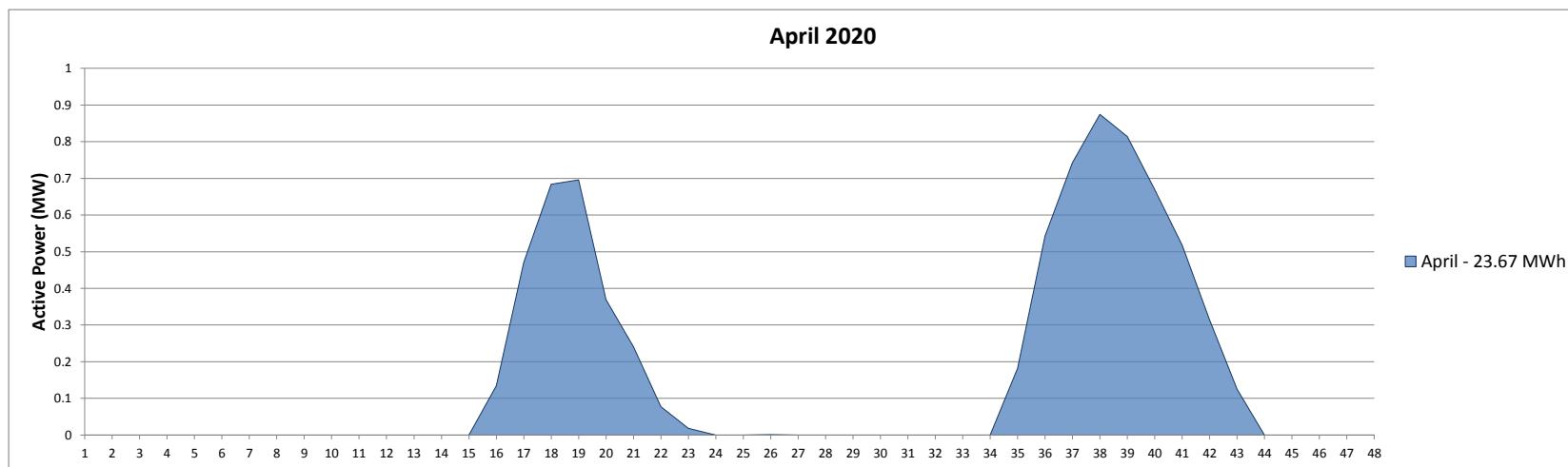
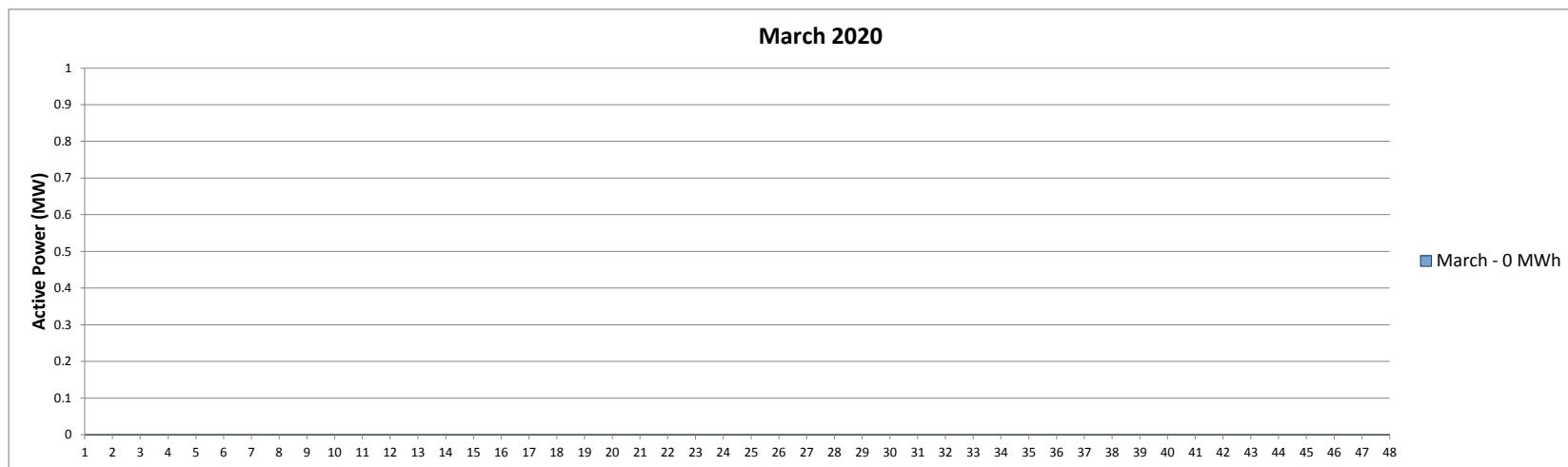


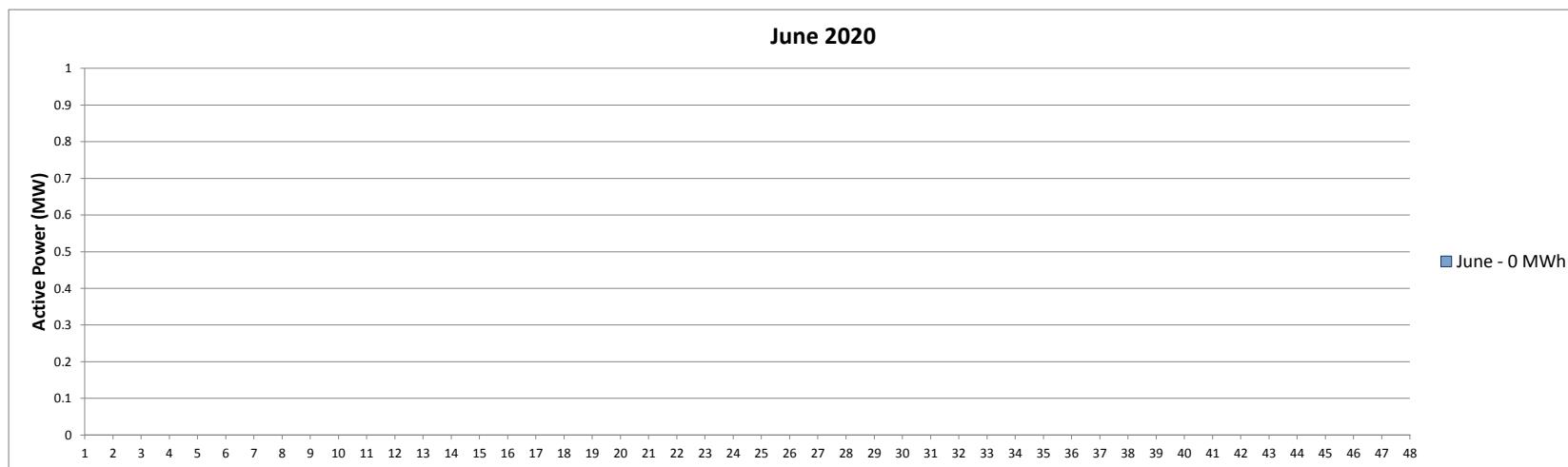
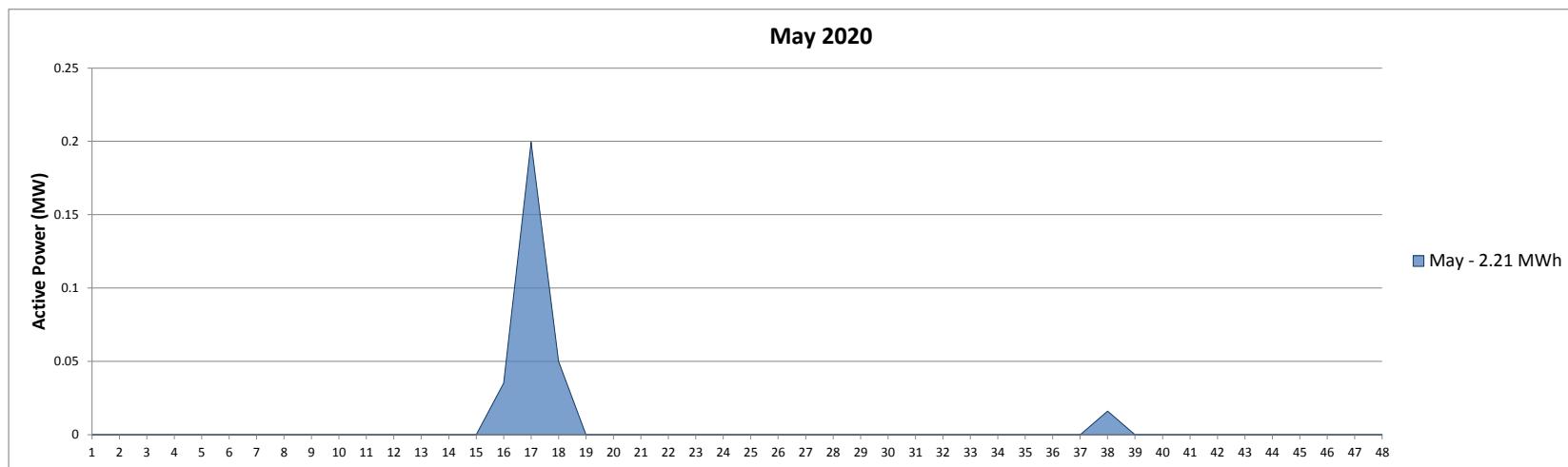
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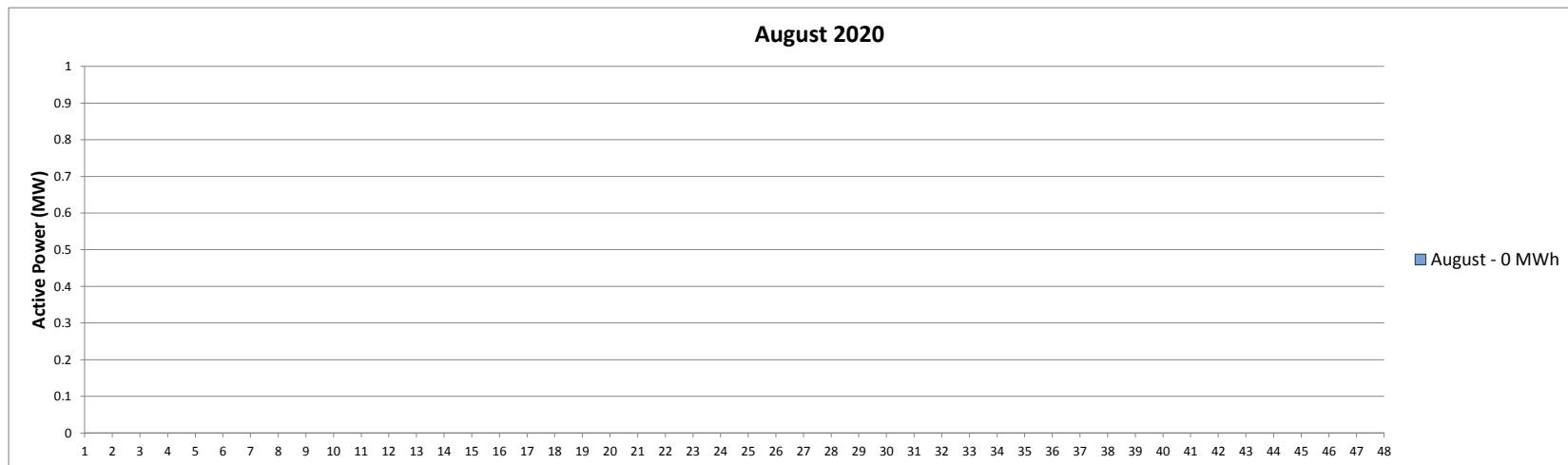
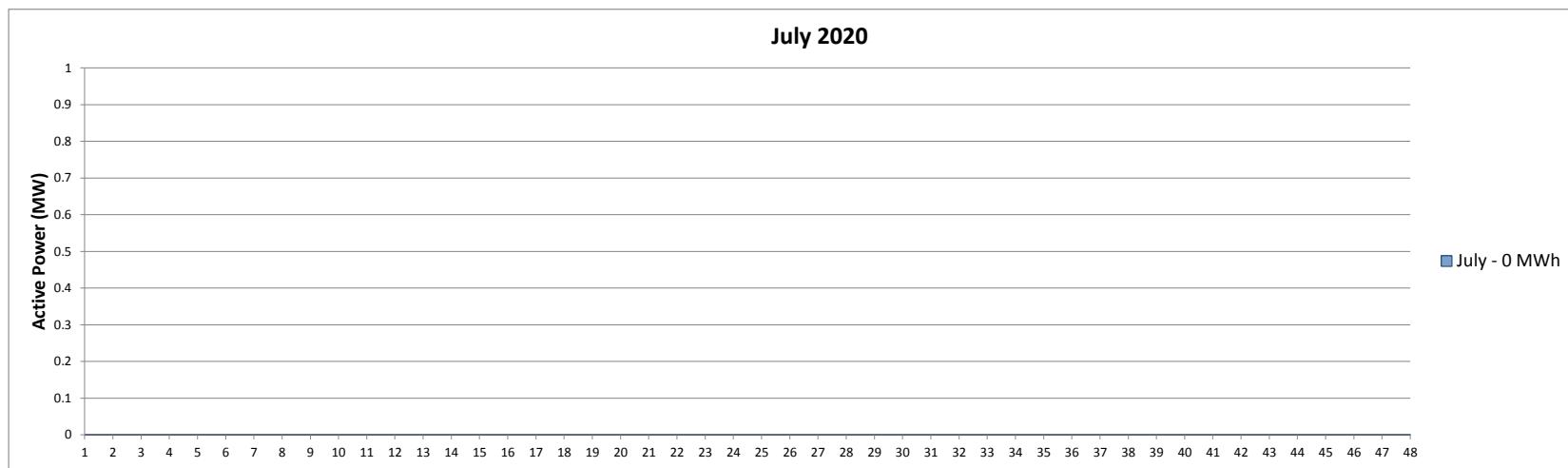


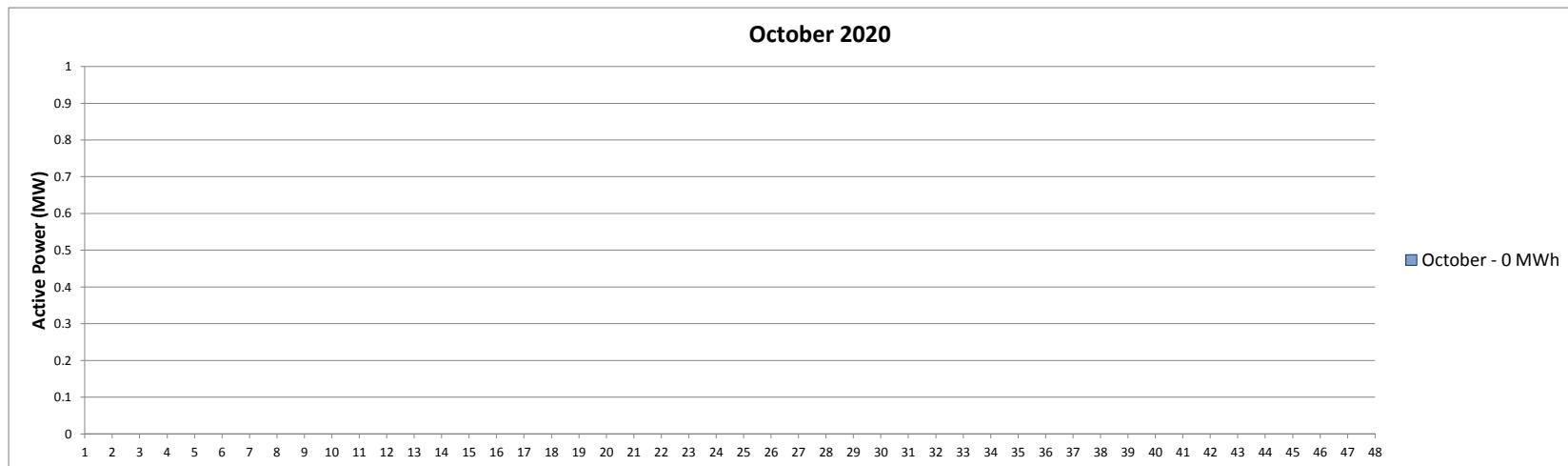
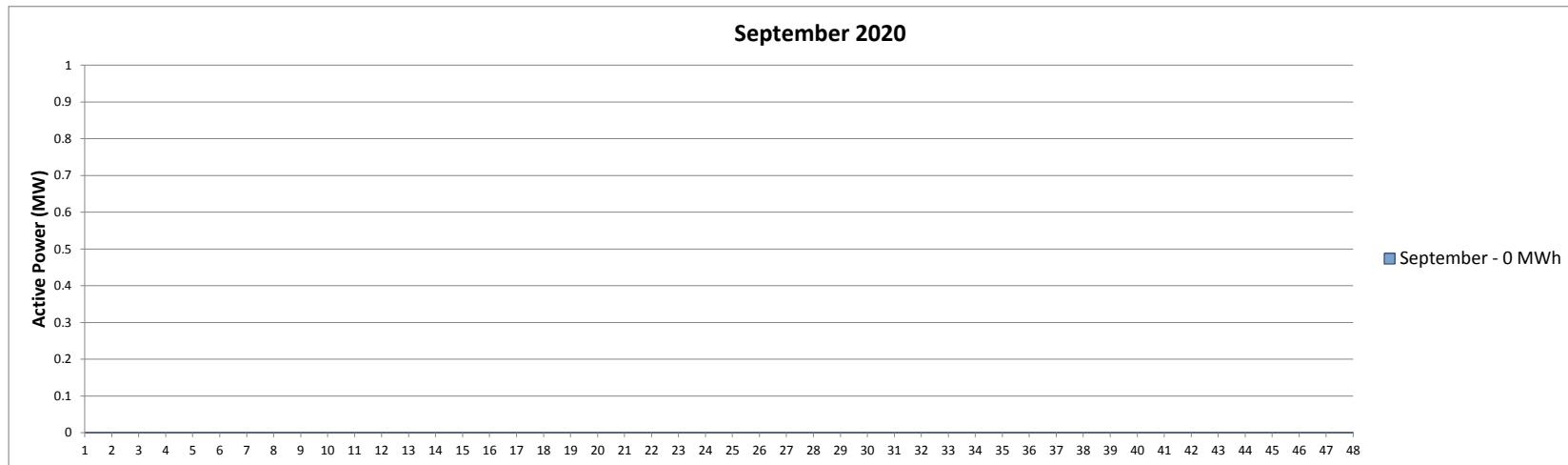












Section 4 – The process we will use to procure these services

WPD will maintain a Dynamic Purchasing System (DPS) for its demand response requirements. The DPS will hold records of all potential suppliers that have passed a Pre-Qualification Questionnaire (PQQ) to ensure they meet the minimum eligibility criteria described in section 3. The PQQ does not commit either party to service provision. The PQQ will also ask for site information which will support WPD's assessment of zone viability, and inform which zones proceed to full procurement.

In order to join the DPS, interested parties will be required to first register their interest via WPDs 2019 Periodic Indicative Notice (PIN). All parties who respond to the PIN throughout 2019 will then be asked to complete the PQQ. Parties who pass the PQQ stage will be added to the DPS, these parties will receive an Invitation to Tender (ITT) to all of WPDs 2019 Demand Response requirements.

DPS registration can be accessed here: <https://rfxp.westernpower.co.uk/ECE>.

The timetable for cycle 2s procurement window is detailed below. Please note, WPD reserves the right to withdraw or add procurement at any time throughout the year.

Procurement cycle 2

1st July 2019 – Proposed CMZs published

12th August 2019 – ITT issued to all participants accepted onto the DPS

20th September 2019 - ITT Deadline

7th October 2019 – Procurement results

Procurement cycle 1 completed in May 2019. The results can be found here:

Section 5 – Minimum eligibility criteria

To be successfully registered on the DPS parties must meet the following eligibility criteria:

- Completion of all mandatory sections of the PQQ

For a site to be successfully awarded a contract it must meet the following criteria:

- Each site must be within an active CMZ.
- Each site must be able to provide minute by minute metering data.
- Each site must be able to respond within 15 minutes of receipt of a dispatch signal and hold the response for at least 2 hours.
- Each site will be required to build an Application Programme Interface (API), through which the site will receive dispatch signals and meter data will be issued to WPD.
- Each site must be built or have a connection agreement with final milestone before the CMZs operating window.
- Provision of the service must not put the participant in breach of other agreements (e.g. connection agreements...).
- Acceptance of WPDs CMZ Terms & Conditions

Section 6 – Sources of further information

WPD has created the Flexible Power brand to deliver the procurement of demand response services. The Flexible Power website is dedicated to providing visibility of the services WPD is looking to procure, it contains detailed information about active CMZs and supporting documentation including; the ENA's DSO service descriptions, the process for declaration and dispatch, payment methodology, the CMZ Terms & Conditions, API requirements.

The website can be viewed at www.flexiblepower.co.uk.

Should you require any further information please contact the Flexible Power team: WPDFlexiblePower@westernpower.co.uk.