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|  | Network Innovation Competition 2021 Supplementary Answer form | | | |

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| Project Name | EQUINOX | | |
| Question number | 41 | Pro forma section | 4 |
| Question date | 13/10/2021 | Answer date | 15/10/2021 |
| Question summary | In our second bilateral we discussed the likely impact of weather on the availability/provision of flexibility from customer heating systems, and therefore the importance of having this data when assessing the trial results. Please explain what weather metrics you are recording/measuring, how you plan to record/measure them, and at what geographic and time granularity. | | |

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## Answer (please retain document formatting and do not exceed 2 pages unless otherwise agreed with Ofgem)

We agree that external weather will impact the use of heating within the home and thus the flexibility of customer heating systems. During the project trials we aim to capture weather parameters, and internal home conditions for customers participating in the trial. We will use a range of industry leading third party weather providers e.g. Met Office, EUMETSAT, OpenWeather.Org, MetoNorm, Dark Sky. The live data from these weather providers gives forecasts and near real time minute by minute weather data for weather stations covering a range of weather parameters including: temperature, humidity, wind speed, wind direction, precipitation, and irradiation. The weather providers will use advanced interpolation techniques to infer the weather parameters mentioned above at specified latitude and longitudes for individual Equinox trial participant households. Our Project Partners, Sero, Octopus Energy and Passiv will support by recording internal home conditions e.g., internal room temperature, for selected trial participants.

We recognise that any additional monitoring and sensors to determine the weather and internal home condition add further costs to the deployment of flexibility solutions in BaU therefore aim to balance the deployment of monitoring and sensingequipment required to deliver project learning, and the monitoring and sensing equipment required to successful unlock flexibility from heat in a BaU environment.

At the end of each trial, we will analyse the data collected to understand how changing weather conditions impacted the use of customer heating and provision of flexibility. The learnings from this will be shared with stakeholders throughout the project.