



# Moxie Energy

Group

**Date/Time:** 20<sup>th</sup> June 2022, 14:00  
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## Working Group Huddle

The Ulgham Parish V2G Working Group

Dear working group members and external partners,

You are invited to attend a **Meeting** of the **V2G (vehicle-to-grid) Working Group** which will be held online using **Microsoft Teams** on **Monday, 20<sup>th</sup> June 2022** commencing at **14:00**.

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### Working Group Members

Adrian Jonas  
Jasmine Lau  
Dave Wilson  
Malcolm Lycett  
Paula Ellwood  
Leigh Ellwood

### External Partners

Jim Scott (Ulgham Parish Council)  
Helen Shaw (Ulgham Parish Council)  
Deb Wilson (Ulgham Parish Council)  
David Towns (Northumber'd County Council)  
Nick Johnson (Northumber'd County Council)  
Diego Perera (Northumber'd County Council)  
John Hill (Edinburgh Innovations)  
Thomas Morstyn (The University of Edinburgh)  
Christopher Artist (Northern PowerGrid)  
Emma Burton (Northern PowerGrid)  
Anda Baumerte (Northern PowerGrid)

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## Agenda

### 1. Funding Opportunities

#### Vehicle-to-everything (V2X) bi-directional charging (March 24<sup>th</sup> – May 4<sup>th</sup>)

“There is a delay in the approval process and the notifications will NOT be sent out today (17<sup>th</sup> June 2022)” – Competitions Team, Innovate UK

### 2. Community Engagement

We will look to identify and sign on 25 households within Ulgham to collaborate in the phase 1 project roll out by August 1<sup>st</sup> 2022. The ambition is to connect 100 homes in Ulgham to the V2G network over the next 5 years.

A survey will be used to gather information on all interested parties. I will visit each household personally to explain the project and what their responsibilities will be. Requirement for “FaceTime” has been highlighted as an important consideration.

### 3. Northern PowerGrid Involvement

We will be working with Chris Artist (Design Engineer), Emma Burton (Trial Outputs Project Engineer), and Anda Baumerte (Sustainability Manager) at Northern PowerGrid. Moxie Energy Group (MXG) met with our partners at Northumberland County Council and Northern Powergrid to discuss action points in rolling out a V2G project in Ulgham. Northern Powergrid has agreed to monitor the “Croft Substation” within Ulgham to begin to ascertain how the grid may be able to support such a project.

#### **4. The University of Edinburgh Involvement**

Dr Thomas Morstyn is a Lecturer in Power Electronics and Smart Grids with the School of Engineering at the University of Edinburgh. His research interests include the design of control systems and markets for the large-scale integration of distributed energy resources into power system operations. Dr Morstyn is very interested in working with MXG to develop a “living laboratory” to break down the socio-technical barriers. Together, we hope to accelerate the commercialisation of disruptive technologies in the world of decentralised energy systems, beginning with the V2G pilot project.

#### **5. The University of Dundee Involvement**

The University of Dundee have demonstrated a strong interest in supporting MXG as an industrial partner for future collaborations.

#### **6. Summer Placement Programme**

MXG is running a 3-month summer placement programme for students interested in renewable energy and a sustainable future. MXG has welcomed five industrial engineering (MSc) students from the University of Dundee and one Law student from the University of Aberdeen. MXG hopes to also welcome two school leavers from Gordonstoun School at the end of the month.

MXG looks to run a small internal conference where partners may view the work our students produce at the end of August.

#### **7. Date of Next Meeting**