

Project Charter			
Project Name	Feasibility into the use of clean urban energy resources to make a contribution to electric vehicle.		
Project Start Date	21/01/19	Project End Date	07/05/19
Project Purpose			
Carry out a quantitative assessment of contribution of urban renewable energy to meet different electric vehicle demand scenarios depending on land availability.			
Key Project Deliverables			
<ul style="list-style-type: none"> ● Develop renewable energy supply tools to estimate generation potential from renewable source ● Generate various scenarios for energy demand of EVs at various timeframes ● Use GOMAP to identify land that is suitable and available for development throughout the city ● Identify policies in place in Glasgow that could be relaxed to unlock more available land ● Create a tool to evaluate the contributions from energy sources deployed on land areas toward the demand of electric vehicle scenarios ● Detail charge points required to facilitate EV expansion 			

High Level Risks

- Inaccurate energy calculations creating inaccurate assessment of potential supply
- Inaccurate vehicle electricity consumption estimations creating inaccurate demand scenarios
- Unable to find or use suitable land to be developed within GOMAP
- Poor choice of policy change suggestions

Risk Prevention Measures

- Intermodular validation of supply estimation tools
- Compare manufacturer consumption values with 'real range' data provided by EV database for a wide variety of EV models.
- Evaluate all policies in action in target areas to ensure a full appreciation of their impact, and the impact of their potential relaxation is understood.

Project management

- Position of project manager will rotate every two weeks to allow each member experience in managing the group and ensuring work is delivered on time
- Roles shall be split, initially, between demand profiling and supply estimation