

*Electricity Network Innovation Competition Full Submission*  
**Supplementary Answer Form**

**Project: Charge: Refuelling Tomorrow's Electrified Transport**

Tick if this answer has been provided verbally: ☐

Project code	SPMV1	Question Number	54
Question date	20/09/18	Answer date	25/09/18
Submission section question relates to		N/A	
Topic	(b.i) the proportion of benefits of the projects highlighted under (a) which would accrue to customers of the relevant network, as opposed to elsewhere in the supply chain (eg suppliers, other networks or the system operator). Where possible, the consultants should provide quantitative analysis		
Question	What is "liftable" and transferable by other DNOs from the PTV outputs in this project, i.e. what transferrable IP and learning will be available to other DNOs and which of these will be proprietry or only available if PTV is engaged?		
Notes on question			
Answer	<ul style="list-style-type: none"> <li>• The combination of a transport and mobility model in integration with an energy network capacity and supply model would allow the development of scenarios and predictions for EV take up and electricity requirements that can realistically inform a business case for charging points and electricity production.</li> <li>• Such information would allow the industry to plan ahead and identify the potential locations where the energy network capacity and supply might need additional investment and to ascertain the feasibility against costs and business case. This would be an invaluable insight for the energy sector as a whole towards a more efficient and faster planning of EVs and energy requirements.</li> <li>• PTV Group will develop a transport model for the study area using the existing transport planning software PTV Visum as well as additional modules that PTV has already developed for EV modelling. PTV will learn from this application of its software and will pass on this know how to other transport planners and modellers in the UK.</li> <li>• Transport planning companies in the UK have hundreds of PTV Visum</li> </ul>		

	<p>licences and would potentially benefit from the findings of the study. They can use these findings as a blue print example to carry out similar studies for other DNOs.</p> <ul style="list-style-type: none"><li>• This project will not in any way create conditions where PTV will be the only transport planning software provider that can take advantage of the findings of the study in other commercial projects. The framework will be developed in a fully transparent manner so that other transport consultants or software providers can take example in their own projects and with transport modelling software other than PTV Visum.</li></ul>
Attachments	n/a