MERLIN

Modelling the Economic Reactions Linking Individual Networks

HydroOttawa | Open Grid Systems | University of Cambridge Energy Policy Research Group | opus one solutions | Scottish & Southern Electricity Networks

	Phase 1 DEFINE	Phase 2 MODEL	Phase 3 IMPLEMENT	Phase 4 OPERATE
Timeline:	**Month 1-5**	**Month 6-10**	**Month 11-13**	**Month 14+**
Work Package 1 (Lead: SSEN) Project Management			Development deployment plan **Operation plan developed** ★	
	Ongoing project management and monthly status reporting			
Work Package 2 (Lead: OGS) Data Management & Integration	Evaluate network standards Convert network models to CIM Evaluate models, tech. etc.	Define data requirements		
Work Package 3 (Lead: OPUS) Power Systems, Analyses & Economics	Study 'path of least regrets' Define DER valuation method Run baseline scenario analyses **Investment scenarios defined** ★ GridOS IDP customization	Simulate investment scenarios **Modelling complete** ★ GridOS Transactional Energy Management (TE) customization		
Work Package 4 (Lead: Cambridge) Econ Fundamentals & Policy	Evaluate international experience in planning and trading ★ **Inter. Experience report**	Define TE market structures Review DLMP methodology ★ **Reg. and Policies report**	Perform cost benefit analysis, develop baseline methodology	
Work Package 5 (Lead: SSEN) Demonstrations			Set-up and configuration Simulate in Fort William **Simulation completion** ★	Trial in Oxfordshire ★ **Trial Launch**
	Customer Engagement — Link with other industry demonstrators			
Work Package 6 (Lead: SSEN & Hydro Ottowa) Dissemination	Ongoing dissemination of results at industry events and media channels		GB and Canada localised simulation and trial dissemination **Economics for the integration of DER report published** ★	