022 – 12/2025 0	7/2023 – 12/2025	07/2023 – 12/2025	12/2025 – 12/2029	01/2030 - 01/2035
• •	ctivities: To enable us to Vhat the intervention delivers	Outputs: That will deliver What happens because of the intervention	Outcomes (short – mid-term impacts): Which will achieve Identifiable changes occurring as the result of a specific output	Benefits (long term impac That will lead to
al SIF requested ,725,359.20 Total, ,725,359.20 Total, ,956,743 Beta (β), 9,919 Alpha (α), ,697.20 Disco. (d) al Contribution imitted 346,203.80  ESO BIT,601 β contr. ,500 α contr. d contr. delling & Analysis D sub.)  O Energy 3,368 β contr.  D Energy 3,368 β contr.  me-EV 5,000 β contr. ditricity, (Ohme allow)  14,235 β contr. delling & Contr	WP0: Project management (support by all project partners)*  WP1: Model user requirements*  WP2: Development of FSP models of domestic demand*  WP3: Development of an ESO model of domestic flexibility*  WP4: Model monitoring, feedback, acceptance and reporting*  WP5: Trial design, planning and scheduling  WP6: Trial delivery*	Utilisation of coordinated data driven and digitally enabled approaches to modelling, forecasting, planning and optimisation tools for integrated whole system management and connection of major demands  Better understanding, identification, targeted support and inclusion of vulnerable and disadvantaged consumers preferences  Technical and/or commercial evidence for whole system approaches to better integrate net zero generation and demand to the energy networks  Domestic demand and florecasting model, baselining methodology  ESO probabilistic domestic demand and flexibility forecasting model, integrated to VirtualES  Customer engagement and recruitment plan, trial protocol  Trial events analysis: domestic flexibility price-discovery, - sensitivity, response duration and fatigue  Cost-benefit analysis of post project services  ESO/DSO primacy rules and stacking assessment	Improved understanding and certainty of optimal pathways, order of interventions, infrastructure requirements and timelines to optimise future market designs and policies and meet central & devolved Government targets, decarbonised power system by 2035 and full energy system decarbonisation by 2050  Whole system resilience and reliability through and beyond the transition  Improved coordination, visibility and integration of activities, new market designs and assets between the energy networks, other infrastructure sectors, investors, consumers and third parties  Increased & accelerated efficient cost-effective connection of new/ optimised infrastructure, novel assets, deployment of smart zero emission heat/ transport that reduces network constraints and reinforcement costs  Improved demand visibility through reliable forecasting of domestic demand  Improved confidence in use of domestic flexibility forecasting model in use of domestic flexibility and emand model into VirtualES  Accelerate  Accelerate  Reduction of system peak by dispatch of flexible capacity  Replace capacity and network investment with domestic flexibility  Reduce operational costs of network through introduction of domestic flexibility focus on constraints and balancing)  Relieve distribution network load in constrained areas  Accelerate  decarbonisation by reducing VRE led export	Cost reductions in operating the networ and wider energy sys
ne Automation vider (ESO sub.)  N 8,119 β contr. 12 α contr. d contr. ED 237 β contr. 72.80 d contr. ment Energy ,650 β contr. ,050 α contr.	WP7: Trial analysis and reporting  WP8: System impact analysis  WP9: Commercialisation strategy	energy requirements for integrated approaches to heat, power and transport against counterfactuals  Technologies & evidence to inform business models and regulatory conditions across the networks, wider energy system and	Improved consumer energy bills via participation in domestic flexibility and reduced network charges  Efficient integration of domestic flexibility into existing or new ESO/DSO flexibility services  Efficient dispatch of domestic flexibility via probabilistic declaration of canacity.	Improved access to/ creation of new reve for users of network services