

Recommendation Actions

Energy Data Taskforce Appendix 1

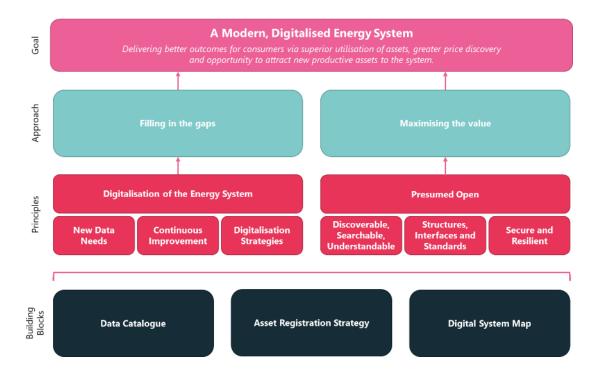
Energy Data Taskforce

13/06/2019



1. Introduction

The recommendations outlined in the Energy Data Taskforce report require coordination across the Sector, with specific effort required from Ofgem, Government and Industry actors. This appendix summarises the Energy Data Taskforce recommendations and where leadership and collaboration are required to achieve them.



As reference, black indicates the action from the recommendation should be led (or jointly led) by the party (or parties) highlighted, grey indicates support is required from that party.

	RECOMMENDATION	GOVERNMENT	OFGEM	INDUSTRY	OTHER PARTIES
Reco	nmendation 1: Digitalisation of the Energy System				·
i	Government and Ofgem should direct adoption of the principle of Digitalisation and regulatory measures as appropriate, in line with the supporting principles these are support by specific Enabling Recommendations .				
1.1	The Taskforce recommends that energy infrastructure and assets should be digitally enabled and have data which enables them to be operated efficiently, and their impact evidenced.				
1.2	The Taskforce recommends new data needs should be proactively identified and addressed through a variety of approaches, from installation of new monitoring equipment to the use of data analysis on existing data.				
1.3	The Taskforce recommends that the government and regulator provide clear leadership through initiatives such as the 'DSO - regulatory principles, priorities and key enablers' workstream.				
1.4	The Taskforce recommends that regulation should be used to incentivise continuous improvement where appropriate but recognise that improving data and skills are part of running a modern business and can create organisational benefits.				
1.5	The Taskforce recommends that baseline expectations of digitalisation strategies are set through measures such as the RIIO2 business planning process, the Whole System Licence, the Long-Term Development Statements (LTDS) and the Ten-Year Statement.				
1.6	The Taskforce recommends that independent digitalisation strategy assessment be advocated to enable organisations' digital strategies to be benchmarked fairly and the progress of 'Digitalisation of the Energy System' be tracked.				
n	mmendation 2: Maximising the Value of Data sovernment and Ofgem should direct adoption of the principle that Energy System assures as appropriate, supported by requirements that data is 'Discoverable, Secure and Resilient'.				
2.1	The Taskforce recommends that as part of embedding the principle of Presumed Open, organisations adopt an Openness Triage process which considers a range of risk factors and develops an appropriate range of mitigation mechanisms.				
2.2	The Taskforce recommends that the sector should consider if there is value in a standardized procedure for openness triage, <u>PAS 185</u> details a triage process for smart city applications.				

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2.3	The Taskforce recommends that open data risk mitigation techniques (including but not limited to those described in the main report) be applied in all matters of open data as assessed by the Data Owner.				
2.4	The Taskforce recommends that support for Presumed Open should leverage existing mechanisms of organisational responsibility and enforcement instruments combined with a layer of transparency which enables continuous challenge.				
2.5	The Taskforce recommends that a cross sector public good and data ethics oversight is identified and developed through the Centre for Data Ethics and Innovation.				
2.6	The Taskforce recommends that data standards are adopted or developed to enable data across organisations to be aggregated and utilised more easily. Recommended approaches are summarised in the body of the report and Appendix 6.				
2.7	The Taskforce recommends that the sector progressively manages risk by: maintaining current security practice, utilising security advisors and deploying openness triage.				
2.8	The Taskforce recommends that the sector using mitigation techniques to retain the value of data when security issues with data are identified by the Data Owner, including those described in the main body of the report.				
А	nmendation 3: Visibility of Data Data Catalogue should be established to provide visibility through standardis overnment and Ofgem should mandate industry participation though regulato			s across Government, th	e regulator and industry
3.1	The Taskforce recommends that a 'Data Catalogue' be established to provide visibility of the data that exists across the sector through a common metadata standard.				
3.2	The Taskforce recommends that the Data Catalogue is based on the Dublin Core 'Core Elements' metadata standard.				
3.3	The Taskforce recommends that the Data Catalogue should be developed and managed by an independent, trusted party with a strong track record in data management. The Taskforce's review and analysis has led to consideration of the Office for National Statistics (ONS) as a partner.				
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Recommendation 4: Coordination of Asset Registration

An Asset Registration Strategy should be established to coordinate registration of energy assets, simplifying the experience for consumers through a user-friendly interface in order to increase registration compliance, improve the reliability of data and improve the efficiency of data collection.

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4.1	The Taskforce recommends that a sector wide Asset Registration Strategy should be developed and adopted to curtail the proliferation of standalone registration platforms.				
4.2	The Taskforce recommends that the Asset Registration Strategy should be driven by an organisation that is open, independent, empowered and experienced. Consideration should be given to a regulator led approach.				
4.3	The Taskforce recommends that a programme be established to consider the strategic options including that of a single Asset Registration Portal.				
Д	mmendation 5: Visibility of Infrastructure and Assets unified Digital System Map of the Energy System should be established to investment and inform the creation of new markets.	ncrease visibility of t	ne Energy System ir	nfrastructure and asse	ts, enable optimisation
5.1	The Taskforce recommends the development of a Digital System Map that will help unlock the opportunities of a Modern Digitalised Energy System.				
5.2	The Taskforce recommends that the Government and Ofgem commission an open and interoperable Digital System Map of the Energy System. Utilsing learning and resources from existing projects described in the main report.				
5.3	The Taskforce recommends that Energy System actors use existing data sets to build a map of current energy infrastructure and that third parties share other data to further inform its enhancement and evolution towards a digital twin.				
5.4	The Taskforce recommends that the digital system map should be a public good project to enable greater competition and drive investment into the sector. It therefore should be owned by an organisation with no commercial interest in the energy sector such as a university, not for profit organisation or independent IT consultancy.				
Enabl	ing Recommendations				
E.1	Government and Ofgem Leadership: The Taskforce recommends that Government and Ofgem explicitly endorse the principles and recommendations and be clear on their expectations of the sector through stating clear policy and regulatory intent.				
E.2	Environmental Information Regulation: The Taskforce recommends that the sector considers utilising EIR to facilitate the release of Energy System Data, both proactive dissemination (Regulation 4) and on request (Regulation 5).				

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E.3	Electricity Act 1989 - Section 9: The Taskforce recommends that organisations consider Digitalisation of the Energy System and Presumed Open as part of existing obligations to "develop and maintain an efficient, co-ordinated and economical system of electricity" distribution / transmission and "facilitate competition in the supply and generation of electricity".				
E.4	Whole System Licence Modifications: Ofgem are currently considering licence changes for electricity networks and have just concluded a consultation to which the Taskforce responded. The Taskforce recommends that Ofgem consider taking this opportunity to embed the Taskforce principles into the licence at this point.				
E.5	Liability Waver: The Taskforce recommends developing a set of standard waivers to help give organisations comfort regarding the release of data in circumstances where there is concern about liabilities that could arise due to data quality or completeness.				
E.6	Code Administrator Code of Practice: The Taskforce recommends that industry consider adopting the principles or Building Block projects into the CACoP in order to encourage adoption of the recommendations.				
E.7	Long Term Development Statement Review: The Taskforce recommends that principles proposed to be embedded within the LTDS.				
E.8	Review of Terms and Conditions: The Taskforce recommends that all owners of public datasets should aim to clarify the terms and conditions that apply to that information and aim to make it as discoverable as possible via metadata and discoverability mechanisms.				
E.9	The Retail Energy Code: The Taskforce recommends that the Retail Energy Code should be an early adopter of the principles.				
E.10	Licence Conditions: The Taskforce recommends that Government and Ofgem consider using licence conditions to ensure licensed actors are compelled to register their metadata with the Data Catalogue.				
E.11	RIIO2: The RIIO2 price control be treated as an opportunity to embed the core principle of Digitalising the Energy System. The Taskforce recommends that Ofgem consider a full set of mechanisms (as noted in the body of the report).				
E.12	Codes Modifications : The Taskforce recommends that code modifications be considered and if appropriate, implemented to increase the number and range of actors required to participate with the Data Catalogue.				

	RECOMMENDATION	GOVERNMENT	OFGEM	INDUSTRY	OTHER PARTIES
E.13	Code Review: The Taskforce recommends that Government and Ofgem use the Energy Code review as opportunity to embed the principles.				
E.14	Policy Change : The Taskforce recommends that Government and Ofgem consider acting to address several legislative barriers to data release which could be reduced and overarching obligations which could be created.				
E.15	Export Tariffs and Market Access: The Taskforce recommends that Government and Ofgem consider that in order to access an export tariff or participate in an energy market there should be a requirement for the asset to be registered via the Asset Registration Strategy.				

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