Foresighting Forum 2019

Take charge: Data powering better energy outcomes for consumers

Call for Abstracts

ENERGY CONSUMERS AUSTRALIA

Overview

The 2018 Forum (FF18) *Take Charge: shifting power to consumers in the using, making and trading of energy* started to rethink the frameworks we're using to guide the longer-term transformation of the sector. The consumer vision is for a system that delivers *affordable, individualised and optimised* outcomes. Over the course of 2018 more attention has started to be directed to the use of data and how it is a critical enabler in shifting power to consumers.

For consumers to be able to respond to retail choices they need to have access to their data. For the system as a whole to make optimal use of distributed resources requires data flow between them. Using the theme *Take Charge: Data powering better energy outcomes for consumers* FF19 aims to develop a shared understanding of the use of data in delivering affordable, individualised and optimised energy services. Beyond information sharing, our goal is that all Forum participants will use what they learnt at the Forum to positively impact and improve the approach of the work they undertake in 2019.

Framework and call for abstracts

We have decided this year to offer the opportunity for participants to propose presentations for inclusion in these panels. Following discussion with the Program Development the overall framing in the table below has been developed. This framing has one overall theme relating to trust and confidence. It then approaches the issue through four lenses; behavioural, regulatory, technical (the energy system) and digital (the data system). These lenses are then applied to three domains; the individual, the organisations and the system as a whole. This provides the framing in the table below.

LENS	INDIVIDUAL	ORGANISATION	SYSTEM
GLOBAL	Trust and Culture		
BEHAVIOURAL	Motivations	Incentives	Uses and New Issues
REGULATORY	Barriers	New rules	Policy and Research
TECHNICAL		New energy	System management
DIGITAL	Data management		

The attached tables provide additional information about the issues identified in each cell of the frame. Not every cell in the table has example issues in it, which doesn't mean there aren't topics here. Proposals could focus on any cell in the matrix, a whole row or column or something else entirely. We just want to emphasise that our interest goes beyond consumers accessing consumption and billing data.

Who should submit an Abstract?

The Program Development Committee is keen to hear from energy sector participants, as well as consumer experts from other sectors, such as banking and telecommunications, whose insights would be valuable to the current energy sector.

How to submit your Abstract

Lodge your abstract here, in the format of one 16:9 power point slide.

Key dates

- Abstracts open: 22nd August, 2018
- Abstracts close: Friday, 12th October, 2018
- Notification of successful abstracts: 1st November, 2018
- Successful abstracts confirm ability to speak: 16th November, 2018
- Program released: 30th November, 2018

Key considerations and conditions

- Successful authors need to be available to speak on whichever day of the Forum we allocate (that is, available on both 20th & 21st February, 2019 in Sydney)
- It is expected that all successful speakers will register and pay in full to attend the Forum, unless you are a community advocate. If community advocates are seeking supported travel, they will also need to complete an Expression of Interest as part of their abstract submission process, found here.
- Submit any abstract with a headshot and bio
- For any general questions about the process, please contact Angela Maguire at angela@thegapconsultancy.com.au or +61 414 20 77 55

Issues within the overall frame

LENS	INDIVIDUAL	ORGANISATION	SYSTEM
GLOBAL	**Trust and Culture** • Balance innovation with trust, Trust preserving frameworks		
BEHAVIOURAL	**Motivations** • Understanding what can go wrong • Understanding that households are different • Concerns about secondary use	**Incentives** • Is there too much incentive not to share data? • Need for cultural and ideological shift-people associate data with its primary use	**Uses and New Issues** {**See expanded table below**}
REGULATORY	**Barriers** • Are we putting inappropriate regulatory barriers in place (e.g. need for a screen on a meter) • Legislative instruments mandating that data is confidential	**New rules** • Social licence and obligations to make data available • Address the challenges of data sharing	**Policy and Research** • System wide data for policy makers • System wide data for research • NSW Data analytics approach to data for policy purposes
TECHNICAL		**New energy** • What are data needs for DER orchestration • Who orchestrates	**System management** • Avoid grid instability • Avoid building to meet peaks • Optimum supply
DIGITAL	**Data management** • Detail vs aggregated • Different data standards around country • Ability to communicate data cost-effectively • Data in the energy system and outside the energy system (e.g. inverters) • Need for other data (e.g. temperatures)		

Issues in the behavioural-system domain

USES	**Uses** • Customer access to data to inform them what they use, what they pay, and how to optimise • Facilitate comparison and switching • Lower prices lower bills	**Optimal use** • Local matching markets – what are the incentives • A source of behavioural data – e.g buying a dryer • Main concerns – how to incentivise and how to respond Demand side – how does data turn into appropriate incentives	**Demand response** • Manage consumer demand for less complexity and more effective choice • For demand response data is a key requirement Better use of intermittent resources to help emissions reduction
NEW ISSUES	**New Issues** • Black Swan uses such as elderly household monitors – eg turning on the kettle	**Innovative service providers** • A lot of new players to enable these solutions Opportunities to manage data for end users (temp and energy)	**Target Marketing** • Facilitate optimising investment decisions • How data can facilitate price discrimination • System to predict behaviour Solar and energy efficiency