







E1 Theme

Trust-building for collaborative win-win solutions

Opportunities Assessment Roadmap Report

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RACE for 2030 E1 Theme

The E1 Research Theme draws together three crucial and related but inadequately understood elements for building trust in the Australian energy sector through win-win collaboration:



Understanding customer aspirations and expectations for the energy sector



Measuring trust in the energy sector



Building trust through tools and practices between customers and service providers in the energy sector.

Building on existing work, this theme explores customer priorities, perceived performance (qualitative and quantitative) relative to these priorities and options for better aligning industry performance to priorities and building trust between stakeholders.

Project Overview

- This roadmap for trust-building in the Australian energy sector is based on an **extensive review** of white and grey literature, datasets and case-studies which identified a series of knowledge gaps and opportunities for research.
- The aim of this roadmap is to identify research themes and future potential projects that **address priority opportunities** and guide future RACE for 2030 E1 research in customer-centric trust building in the energy sector.
- This roadmap leverages customers strengths, knowledge, and practices to cultivate trust using a shared value approach. The conceptual centrepiece of this report is the 'ecosystem of shared value' – an industry-wide approach to valuing consumers' contributions to the creation of value.
- Preparing this roadmap involved **extensive consultation** with RACEfor2030 partners, the Industry Reference Group (IRG), policymakers and consumer advocates at each phase of the project.
- In particular, there are significant opportunities to create new data and to build on existing datasets but doing so likely requires **dynamic consent** processes. Furthermore, simply 'providing data' to consumers is insufficient to remedy the structural issues in the sector and may in fact worsen trust issues if poorly implemented.
- Providing customer education alone is not consistent with best practice. Deficits in public knowledge are not the problem; therefore, educating energy users about the energy system is not the solution.
- Following **best practice in the evidence-base**, we identify that the customer's role is using electricity responsibly and paying their bills on time; *not* to be an expert in energy system engineering and processes.
- Our roadmap is thus designed to identify priority opportunities that build on the extensive
 existing processes designed to build trust in the energy sector.

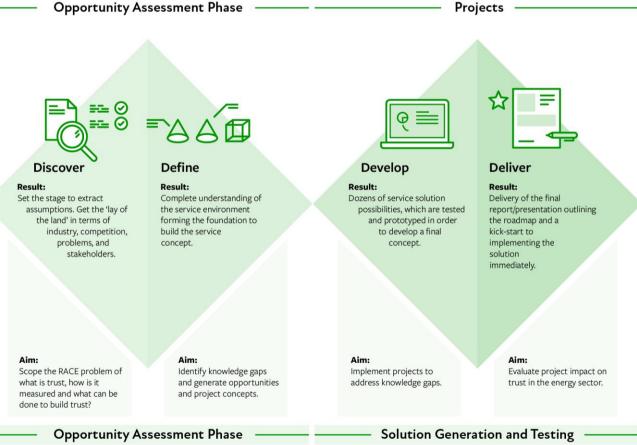
Roadmap Approach

Our approach to identifying opportunities for creating win-win collaborative customer solutions used human-centred design through service design techniques. The benefits of human-centred design are:

- The focus is on the person experiencing the problem
- The 'real problem' emerges clearly in the process
- Solutions are created that resonate deeply with customers
- The solution is feasible, viable and desirable
- The likelihood of effectiveness of solutions is increased.

Specifically, we followed the double diamond approach from human-centred design for identifying gaps and opportunities (see Figure 1). The first diamond is the opportunity assessment phase, starting with the overall RACE program problem and ending with a set of specific opportunities (the joining point of the two diamonds). The second diamond is the next phase where the opportunities lead to implementation of projects and solutions that build trust in the energy sector. These include understanding customers, measuring trust and testing the effectiveness of tools and practices that build trust.

Figure 1: Double Diamond Approach to E1 Opportunity Assessment



The Discover phase scoped the organisational problem and established an IRG. We then conducted a literature review, data review and case review.

(Diamond 1)

The Define phase then converged our thinking through synthesis of the data in the review process to generate insights about the energy market and stakeholders. This phase ended with a set of gaps that were translated into a series of prioritised opportunities for the E1 roadmap. The roadmap is not prescriptive but offers 5 project themes to underpin the next stage of RACE - generating and testing solutions to build trust.

(Diamond 2)

This diamond consists of two phases, Develop, and Deliver. In the Develop phase there is divergence to create ideas, concepts, and options for trust building. This is followed by the Deliver phase where choices are made, and these options are stress-tested for desirability to users, viability and feasibility for organisations in the sector. The result will be a set of solutions for trust-building that work.

The roadmap was the final output of the opportunity assessment project that involved significant input from the IRG and was built on a foundation of evidence from both the literature and practice (see Figure 2).

IRG IRG IRG Desktop **IRG Expert** IRG **IRG** Expert Feedback Roadmap Activity Review Webinar Feedback on Draft Input Session Roadmap Synthesis of Individual Prioritise Individual Scoping the Present review literature, data

opportrunities

Identify project

concepts.

discussions to

refine project

concepts.

findings

and

Present Gaps

opportunities.

Figure 2: Opportunity Assessment Process

What is Trust?

project

Sourcing

datasets.

reports and

Further, drawing on this literature and existing academic definitions of trust (Mezger et al., 2020; Robbins, 2016; Chen, 2010), we developed a new definition of trust for the energy sector. The four components of trust in the energy sector that align with this definition are outlined in Figure 3.

RACE 2030 Definition of Energy Sector Trust

and case-

trust.

studies about

"Trust is the confidence that energy organisations, actors and system will meet positive expectations for a specific task under conditions of unknown outcomes. In the energy sector, key expectations are that organisations, actors and the system will act with competence, responsibility, openness and authenticity *"

sessions with

IRG members

to develop

synthesis.

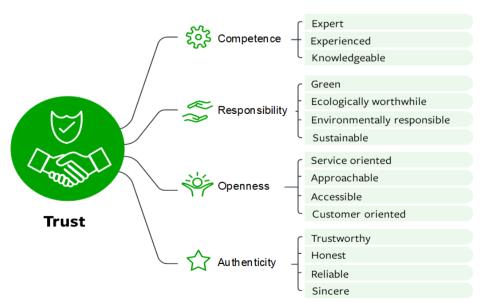


Figure 3: Components of Trust

Source: Adapted from Mezger et al. 2020

^{*}This definition includes actors/organisations in both supply AND demand side (customers).

The literature, data and case review stages revealed seven overarching themes about understanding, measuring and building trust for win-win customer solutions in the energy sector (see Figure 4).

Figure 4: Themes for Understanding, Measuring and Building Trust in the Energy Sector



Trust consists of competence, responsibility, openness and authenticity. Customer service is especially crucial when things go wrong!



Trust is context-specific and multidimensional



To create trust the energy system we must serve the interests of all actors and stakeholders at all times



Value in the energy ecosystem is cocreated through dialogue, access, risk assessment and transparency. Involve



Customers need a single point of truth that proactively allocates tasks and responsibilities to relevant organisations, not to the customer



Tools and practices for trust-building should facilitate customer control of data and information, energy literacy, peace of mind, access to the best deal and energy services when and how they need it.



Data must be accessible to the right actor for the right task at the right time

Moments of Truth in the Customer Journey

Using a service blueprint technique, the literature was synthesised in collaboration with IRG members to identify key moments of truth for customers in the energy journey. Seven key insights around moments of truth are presented in Figure 5, with a visual summary of a generalised customer journey provided in Figure 6. An infographic of the gaps and opportunities for trust-building in the energy sector are shown in Figure 7.

Figure 5: Moments of Truth in the Customer Journey



The entire system is reactive, rather than proactive, requiring the customer to initiate all contact and navigate complexities.



Bill shock breaks trust, particularly when a customer's estimated bill is incongruent with their real bill.



The system is complicated and overlapping, with customers being confused as to who to contact for what, often leaving the retailer as the face of the entire energy system.



Estimates cause friction if they do not reflect customer expectations - variation creates distrust.



The responsibilities overlap across suppliers, retailers, distributors, generators and even the council. Therefore, the customer is constantly repeating themselves. Customers get bounced around within departments and don't feel like their problems are effectively resolved this can lead to distrust.

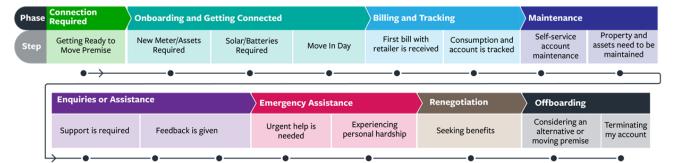


The outage experience can create or destroy trust. Customers can be left in the dark both figuratively and literally, with minimal communication and updates.



No single source of truth about the energy sector for the customer to access.

Figure 6: The Energy Customer Journey



Gaps and Opportunities for Building Trust in the Energy Sector



E1 Opportunity Assessment Major Gaps Identified





Trust in the Energy Sector



Conceptualisation of Trust in Energy Sector

The relative importance of precursors such as competence, responsibility, openness and authenticity has not been explored for the Australian energy sector.

Trust is not well understood in the energy sector.



Practices for Trust-Building

Lack of comprehensive map of existing practices in energy sector as examples of best practice.

We don't know which practices deliver the greatest trust dividend in the Australian context.

Lack of knowledge about how practices vary for different segments and different stages of the customer journey.

Dominance of reactive practices across entire supply chain.



Impact of Trust/Distrust

Emphasis on output and outcomes rather than impact with no evidence of which outcomes have the most/least impact on trust.

There is a lack of standard metrics and sharing across energy sector to allow for impact to be measured.

No current quantification of impact of trust on key factors such as emissions, reliability, energy productivity and energy costs.



Customer experiences of trust



Customer Expectations & Aspirations of Trust

Access to research on customer expectations and aspirations not publicly available or shared.

Core capabilities of marketing and customer experience is varied across actors in the energy sector. There is a lack of common understanding across the supply chain.

It is unclear if or how supply chain actors are using existing data to inform their customer focus.



Measuring Trust & Sources of Trust Data

Reliable measures of trust and its components in the Australian energy sector are not available.

Over-reliance on self-report surveys that are cross-sectional and not publicly available/shared data.

Lack of measures for distrust.

No datasets that systematically measure trust in multiple parts of the energy supply chain at the same time to allow for direct comparison.

Lack of shared data to identify key painpoints in the customer journey.

Emerging data source of social media is underutilised

Data blueprint indicates a lack of customer-centric data with a focus on mandatory reporting.



Tools for Trust-Building

Absence of face-to-face tools, with most tools being digitally-enabled only.

Proactive tools are yet to become widespread.

Most tools are designed for the traditional residential customer, with few tools designed for specific situations. This is a significant gap in building trust, particularly for customers experiencing hardship who have different priorities.

Limited provision of emotional and network support.

Lack of a comprehensive map of existing practices in energy sector as examples of best practice.

We don't know which practices deliver the greatest trust dividend in the Australian context.

Lack of knowledge about how practices vary for different segments and different stages of the customer journey.

Dominance of reactive tools & practices across entire supply chain.



Customer Journey

Primary data as evidence for painpoints and moments of truth required for customer journeys and blueprints for specific segments and tasks.

Understanding the timings related to each step of the process may have meaningful repercussions for trust.

There is limited visibility of the support processes/technical systems that enable each step of the customer journey.



Drivers of Trust and Distrust

Need to look at what role customers might play in creating trust.

Limited understanding of the interrelationships between different drivers of trust and distrust.

We don't know which drivers are important for specific and general interactions.

We don't know how external relationships (B2C) affect the industry internally (B2B)or other customers (C2C).

Gap in understanding the drivers behind reputation and how companies are responding to customer feedback.

Lack of knowledge regarding customer's perceptions of service providers offering additional services outside initial core remit and impacts on trust.



Alignment of Service Provision and Customer Demand

Misalignment between customer knowledge/needs and service provision at macro, meso and micro levels of the system.

Complexity of energy sector needs to be mapped to show tensions and alignment of interests of actors in the system and areas for improvement.

Lack of knowledge about which actors should and could build trust in the energy system.

Lack of single point of responsibility – forces customer to work it out for themselves and take on effort.



Benefits of Trust for Energy Sector

Trust is largely framed as benefits for supply chain and policy. We don't know the benefits of trust for different customer segments.

Limited availability of case studies with an emphasis of trust in technology. Need a broader range of case studies inclusive of non-technology approaches.

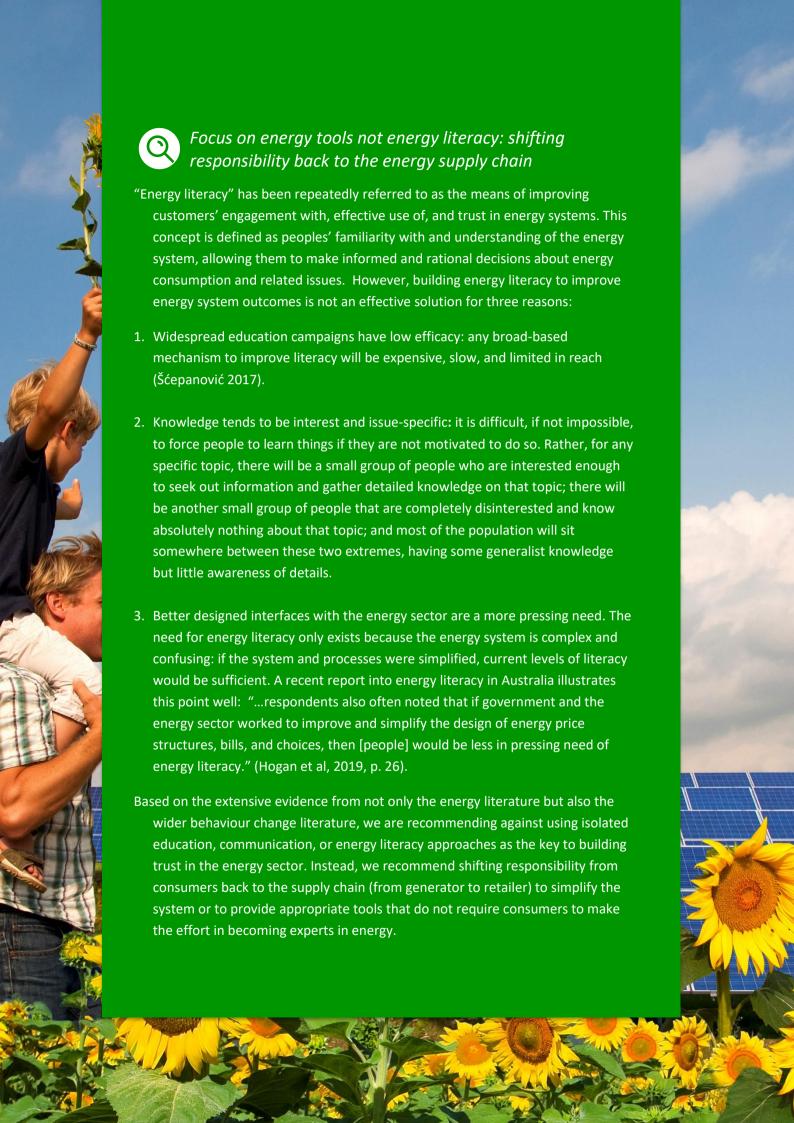
Limited studies assess benefit of trust for the entire energy sector, with nothing focussed on the commercial sector.



Customer Segments

Customer segments reflect how energy is used (tasks). Empirical evidence needed to profile the task segments.

Within each task segment, evidence is needed for the drivers of trust and distrust for customers experiencing vulnerability and safety as sub-segments.



Trust in the Energy Sector Requires an Ecosystem of Shared Value

The energy sector is currently operating on the principles of the value chain framework (Porter, 1985) which views customers as passive recipients of value that is produced by organisations (generators, networks and retailers) and where social power is concentrated in organisations. This 1980s approach to value is also reflected in corporate governance practices premised on the primacy of shareholder returns at the expense of other stakeholders in a business. These practices and governance frameworks have been increasingly questioned in recent years (Anon, 2019). The need to shift from a value chain perspective to an ecosystem of shared value has been highlighted by Harvard Business Review with increasing adoption of this approach in sectors such as health and education. It is now time for the energy sector to transition to a shared value mindset that involves active collaboration with customers (see Figure 8).

Common agenda Support Activities Firm Infrastructure **Human Resource Management** Mutually **Technology Development** Shared reinforcing easurement activities system **Procurement** Operations Outbound Marketing Inbound Ecosystem for all Constant Dedicated 'backbone' support communication **Primary Activities**

Figure 8: Transitioning from Value Chains to an Ecosystem of Shared Value in the Energy Sector

Sources: Porter, 1985 (left) and Kramer & Pfitzer 2016 (right).

The energy sector needs to transition towards a more open, collaborative and sharing system that cocreates value for all stakeholders to effectively build trust. This is consistent with company law in Australia, which accommodates stakeholder governance perspectives to corporate decision-making (Harris 2019).

The recommended framework of shared value is the Ecosystem of Shared Value by Kramer and Pfitzer 2016). To create trust using this framework there are five elements:

- 1. Common Agenda
- 2. Mutually reinforcing activities
- 3. Shared measurement system
- 4. Dedicated 'backbone' support
- 5. Constant communication

Conceptual Pillars for E1 program

Based on the evidence-based from the review of the literature, data and case studies, we recommend seven conceptual pillars to underpin all E1 project proposals (and be used to evaluate project proposals). Please see Figure 9.

Define trust as multi-faceted

Triangulate trust data sources

Include multiple actors

Adapt to contexts

Involve holistic interactions

Create motivation, opportunity
and ability

Figure 9: Conceptual Pillars for E1



Define trust as multi-faceted: Trust is created through practices that demonstrate competence, responsibility, openness and authenticity.



Triangulate trust data sources: Measurement of trust must include multiple data sources.



Include multiple actors: Trust involves interactions with multiple actors (organisations and people).



Adapt to contexts: Trust is specific to different tasks and different situations.



Involve holistic interactions: Trust results from multiple interactions and touchpoints in the customer journey which need to interact seamlessly.



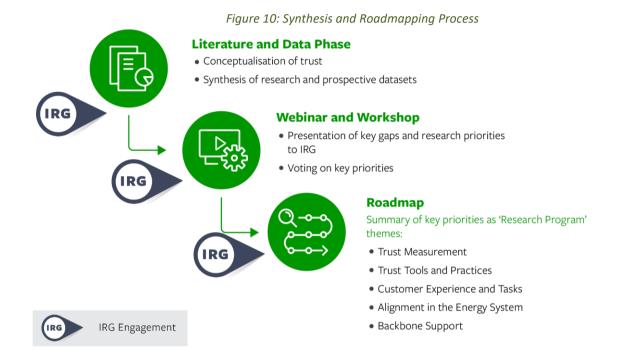
Leverage strengths of customers: Vulnerability is a state not a trait, permanent or temporary, potential or actual hardship. Customers (eg. those experiencing vulnerability) have strengths to be leveraged not deficits to be filled. They should be supported to participate in product/service design and decision-making.



Create motivation, opportunity and ability: Trust-building must go beyond information and communication to motivate, must include tools and practices to create ability (energy literacy) and opportunity.

Industry Reference Group Engagement Method

The outcomes of the literature review, desktop analysis and qualitative consultations were synthesised in a report which was then presented to IRG for feedback and comments (see Figure 10). Extensive consultation, including one-on-one discussions with stakeholders across the energy system – retailers, government agencies, consumer advocacy groups - RACE led to range of projects that addressed prioritised opportunities.



Note: A industry engagement evaluation of the E1 project experience and deliverables will be administered by RACE though a survey.

Roadmap Research Themes and Project Concepts

The gaps identified in the literature review were prioritised in a workshop with the IRG (see, for example, G4 and G1 below). These priorities were classified into five themes. These themes were then prioritised through individual interviews after the IRG workshop and presented in Table 1 (* beside each gap denote number of votes from IRG members).

- 1. Trust Measurement
- 2. Trust Tools and Practices
- 3. Customer Experience and Tasks
- 4. Energy System Alignment
- 5. Backbone Support

Workshop Priorities

Workshop Prioritie

Trust Measurement

******Gap: Primary data as evidence for painpoints and moments of truth required for customer journeys and blueprints for specific segments and tasks.

*Gap: There are no datasets that consistently, longitudinally measure trust across the entire customer lifetime (i.e., across different jobs to be done/customer journeys).

Initial Project Concepts

- Establish a 'Trust manifesto' to elevate the role of consumers in the energy 'ecosystem of shared value'
- Collaborate with regulatory agencies to incentivise retailers to collect and share data related to trust (eg. AER, ombudsman)
- Build on Energy Charter reporting lines to include trust activities and standards
- Share a single source of trust-relevant data across the industry
- Create a best practice measurement handbook for the energy sector – coordination/training. (Building on Energy Charter, and adjacent initiatives such as Thriving Communities partnership).



Trust Tools and Practices

- *Gap: Misalignments between customer knowledge/needs and service provision at macro, meso and micro levels of the system.
- *Gap: Group specific or tools designed for segments outside of the traditional, residential customer are limited. This is a significant gap in building trust, particularly for the segment experiencing hardship, emergency or crisis.
- Develop a warm Transfer toolkit: develop customer-centred training methods for all energy staff to ensure issues are solved quickly
- Design a single Digital Point of Contact: avoid duplication of apps across many different sites/jurisdictions and enable a single digital interface (app/website) where issues can be reported
- Create a **trust measurement toolkit**: (see trust measurement)
- Examine and evaluate **effectiveness of current** energy sector practices and processes.
- Develop and test **new tools** to support trustbuilding in the energy sector.

Workshop Priorities

Initial Project Concepts



Customer Experience and Tasks

- ****Gap: Customer segments reflect how energy is used (tasks). Empirical evidence needed to profile the task segments.
- *** Gap: We don't know which drivers are important for specific and general interactions
- *Gap: Need to look at what role customers might play in creating trust
- Adopt a strengths-based assessment of vulnerability: Identify the strengths of different types of customers experiencing vulnerability
- Implement consumer education to support trustbuilding tools. Create consumer awareness and access on a core theme such as 'power quality' i.e. voltage fluctuations and consumer appliances.
- Develop customer journey maps: identify customer journeys to see impact on trust throughout and at end of journey
- Develop a consumer panel to consult consumers on pressing issues and research matters (eg. with ECA)
- Create an **energy sector lexicon:** develop consumer-focused lexicon for the energy industry



Alignment in the Energy System

- ***Gap: Complexity of energy sector needs to be mapped to show tensions and alignment of interests of actors in the system and areas for improvement.
- *Gap: Relationship of trust dimensions for different actors in energy ecosystem.
- *Gap: Lack of comprehensive map of existing practices in energy sector as examples of best practice
- Create an energy value atlas: Show customers where their data sit in the 'ecosystem of shared value'
- Develop value system maps for specific issues: eg. housing value concerns on end of SWER lines



Backbone Support

Gap: Primary data as evidence for painpoints and moments of truth required for customer journeys and blueprints for specific segments and tasks.

Gap: Misalignments between customer knowledge/needs and service provision at macro, meso and micro levels of the system.

- Trusted Automation Observatory
- Trust tick of approval
- Energy consumer jury (avoiding duplication with other processes eg. Energy Charter)
- Trust-building toolkit for energy sector
- 'How to' guide for building trust in different contexts

Feedback from the IRG indicated that many different projects on trust are currently in progress across the sector. Therefore, research proposals will need to demonstrate dialogue with key RACE funding partners to ensure that duplication is avoided and unique value created through the project. This is challenging, as many existing projects have limited public exposure due to the commercially sensitive information involved (e.g., for networks). To overcome this challenge, we strongly recommend prospective research teams consult organisations such as AER, DISER (Federal), a retailer, and a network business to validate their proposals.

While the roadmap offers specific projects for trust-building, it does so within the current structural context of energy. As one IRG member put it, 'people pay their energy bills with the same part of the brain as they pay tax'. The impact of this deeply embedded mindset may include 'trust-building fatigue'. From a social science perspective, this mindset reflects wider structural issues with the energy sector beyond the scope of the CRC, including billing, regulation, ownership and separation between supply, transmission, distribution and retail. Nevertheless, there are opportunities to build cross-cutting capacities across projects in the E1 theme that may address some of these structural issues. For example, providing relevant and timely data to consumers could – as in the telecommunications sector –help to minimise effort customers and make it easier for them to be involved (where they want to be involved).

The Roadmap to Building Trust in the Energy Sector

The initial project concepts generated via the workshop in Table 1 were further developed through IRG interviews into twelve final project concepts (see Figure 11 and Table 2). The roadmap contains project concepts identified in interviews with IRG and RACE partners. The purpose of the Opportunity Assessment was to scope the field and identify gaps in knowledge and opportunities to address these gaps, rather than identify specific projects to address the opportunities. The aim is to allow for researchers and RACE partners not involved in the opportunity assessment to develop project proposals around these opportunities. The need for divergence to expand project proposals and partners is a key principle of the first half of the second diamond in the human-centred design approach to E1 we have recommended. Thus, the project concepts in the roadmap are illustrative rather than exhaustive to enable an inclusive process for project proposals that engage the broader RACE community and align with the budgets and specific needs of the funding partners. The next stage of the E1 process should be to co-design specific project proposals for each of the five research themes in Table 2.

A flowchart presented in Figure 11 illustrates the relationships between the five program themes and indicative projects, and the sequence of projects. All projects contribute towards an overarching output for E1 of a trust-building toolkit for the energy sector. The aim of these projects is to align the interests of the stakeholders in the energy sector and create the necessary value at different leverage points in the system for an optimal trust-building context.

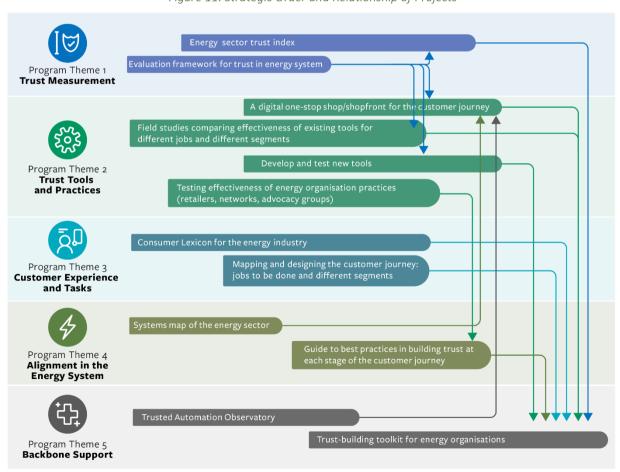


Figure 11: Strategic Order and Relationship of Projects

Table 2: Program Roadmap and Indicative Final Project Concepts

Research Program Themes	Project Concept	Project activities 3, 5 and 10 year (To June 2023, to June 2025, to June 2030)	Outputs 3, 5 and 10 year (To June 2023, to June 2025, to June 2030)	Project type	Indicative Industry partners [ideal partners]	Researchers
Trust Measurement	Energy Trust Index	PhD thesis, empirical work commencing 2022	Trust measurement index	PhD stipend	AGL [project is already funded]	Rebekah Russell- Bennett, Terry Flew, John Gardner
	Evaluation framework for trust in energy system	Application of logic model to industry trust. Development of evaluation framework to guide data sources, management processes for monitoring, evaluating and learning across projects and programs in the industry.	Evaluation framework: definitions and principles for evaluation of projects and processes. Measures handbook, guidelines for embedding into policy and retailer/network management processes	Standard track	AGL [regulator, retailer and network]	John Gardner, Frank Mathmann, Adam Clements
Trust Tools and Practices	A digital one- stop shop/shopfront for the customer journey	Development and evaluation of an app that triages customer jobs to be done and links to different stakeholders in the system to reduce effort for customers.	Digital interface (app/website) for all customers regardless of geography, retailer, council etc. Proactively 'passes' customer to relevant organization. Could be an iteration of <i>Energy Made Easy</i>	Standard Track	[Aggregators/ digital device and monitoring companies; network business; consumer advocacy bodies]	Rebekah- Russell- Bennett, Chris Reidy, Ryan McAndrew, Lucas Whittaker.
	Develop and test new tools	A series of pilot projects that designs and tests new tools or redesigned current tools that address the limitations of current tools tested in the field studies.	A report identifying the current relative performance of different tools.	Standard track	[Aggregators/ digital device and monitoring companies; network business; consumer advocacy bodies]	RACE Researchers
	Testing effectiveness of energy organisation practices (retailers, networks, advocacy groups)	A study/studies identifying different energy sector and determining effectiveness (using an agreed definition of effectiveness). May include field, observational, qualitative or quantitative studies, and benchmarking.	A report identifying the current relative performance of different practices, alongside policy guidelines and design principles for practices in the energy sector.	Standard track	[Aggregators/ digital device and monitoring companies; network business; consumer advocacy bodies]	RACE Researchers

Research Program Themes	Project Concept	Project activities 3, 5 and 10 year (To June 2023, to June 2025, to June 2030)	Outputs 3, 5 and 10 year (To June 2023, to June 2025, to June 2030)	Project type	Indicative Industry partners [ideal partners]	Researchers
Trust Tools and Practices	Field studies comparing effectiveness of existing tools for different jobs and different segments	A set of studies that measure the effectiveness of current tools, which segments use them, and for which customer jobs. This will involve mapping these tools against the customer journey for different segments and evaluating effectiveness for helping the customer achieve their goals.	A detailed report on the field studies noting: What effectiveness means for customers (their goals); How and when the customers currently use the tools; Which tools are effective and why; Comparison of tools using common metrics; Opportunity for design of new/updated tools	Standard track	[Aggregators/ digital device and monitoring companies; network business; consumer advocacy bodies]	RACE Researchers
	Consumer Lexicon for the energy industry	A critical literature review of customer-facing artefacts (bills, websites, communications), codesign workshops with key stakeholders including customers, confirmatory survey.	Dictionary or translator for language that is customer friendly. Lexicon to be used in reports, policy and communication in the sector	Standard track	AGL [Customer advocacy groups and network]	Rebekah Russell- Bennett, Chris Riedy and a linguistics researcher
Customer Experience and Tasks	Mapping and designing the customer journey: jobs to be done and different segments	A service design study which determines the customer journey for different customer sub/segments and different customers tasks/goals. Identify points of desired interaction (i.e., when the customers want/need an energy provider to do something), key moments for determining trust, and identification of where transparency might be beneficial.	A set of customer journey maps which vary by customer sub/segment and task/goal, showing key points of interaction and trust creation or destruction. The accompanying reporting material will provide insights into customer differences and trust needs along the customer journey. This will result in guidelines for the energy sector.	Standard track	AGL [Aggregators/digital device and monitoring companies; network business; consumer advocacy bodies]	RACE Researchers
Alignment in the Energy System	Guide to best practices in building trust at each stage of the customer journey	Stock take of customer-facing energy sector practices along the customer journey (surveys, interviews); evaluation of effectiveness for building trust.	Best practice guide	Standard track	[retailer; network business; consumer advocacy body]	Chris Riedy, Sarah Niklas, Alexandra Zimbatu

Table 2: Program Roadmap and Indicative Final Project Concepts

Research Program Themes	Project Concept	Project activities 3, 5 and 10 year (To June 2023, to June 2025, to June 2030)	Outputs 3, 5 and 10 year (To June 2023, to June 2025, to June 2030)	Project type	Indicative Industry partners [ideal partners]	Researchers
Alignment in the Energy System	Systems map of the energy sector	Develop a map of the actors, influences, causes and effects of trust in the energy sector in Australia. Identify key leverage points for systems change	Report that synthesizes the evidence on trust in the energy systems causes and effects. Visual maps that identify actors, flows and leverage points leverage points for building trust, that can be strategically linked to policy, programs, and future research that leads to positive societal outcomes.	Fast Track	DISER (Federal Dept) [retailer; network business; consumer advocacy body]	Rebekah Russell- Bennett, Ryan McAndrew, Ross Gordon, Rowan Bedggood (GEER)
	Trusted Automation Observatory	Consumer panel, ethnographic research to test determinants of trust in situ	Prototype devices, trust development tools, policy briefings	Standard track	Redgrid [retailer; network business; consumer advocacy body]	Declan Kuch
Backbone Support	Trust-building toolkit for energy organisations	The creation of a trust-building toolkit will draw together and build on all prior stages and result in a set of materials, guides and collateral in digital format for the energy sector.	A set of 'How to' guides for different stakeholders. Best practice trust measurement metrics and evaluation framework and principles; Exemplar social media and communication templates; Risk mitigation framework and principles for ethics and governance.	Standard track	[Aggregators /digital device and monitoring companies; network business; consumer advocacy bodies]	Rebekah Russell- Bennett, Chris Reidy, Declan Kuch, Rowan Bedggood (GEER), Kate Letheren

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