



ENERGY VISION

1 JUNE 2016

**2030 VISION &
GUIDING PRINCIPLES**

QUEENSLAND
FUTURES
INSTITUTE

INNOVATION . INDEPENDENCE . IMPACT

QFI 2030 ENERGY VISION

Queensland in 2030 is a global leader in low cost, low carbon, high-efficiency energy systems that deliver highly customised solutions to diverse customers across an unmatched variety of geographies and climactic conditions.

Powered by a continually expanding range of integrated energy sources, energy solutions and creative business models, these advances have propelled Queensland to become Australia's Cleantech leader and an international hub of collaboration and commercialisation.

GUIDING PRINCIPLES

The following three principles will guide Queensland Futures Institute – Energy Committee efforts to enable realisation of the above 2030 Energy Vision.

1. Actively navigate the energy transition

Queensland will lead the nation and the South East Asian region in the structured transition from legacy energy models to the low cost—low carbon—high efficiency energy systems that underpin Queensland's economic competitive advantage in 2030 by:

- Forging bold and engaging visions through collaboration and co-design that guide the state's proactive leadership in navigating the energy transition;
- Championing whole-of-system transformation using best-practice tools, the best global applied science and fostering a culture of continuous organisational learning;
- Applying evidence-based metrics to make visions and transition plans tangible and progress measurable;
- Engaging policy makers and regulators throughout the journey to resolve 'rail gauge' issues, accelerate removal of historic roadblocks and expand the new competitive landscape; and,
- Continually expanding system flexibility and continuous improvement while maintaining system reliability and resilience.

2. Collaborate and commercialise globally

Queensland will be recognised as a hub of global energy solutions collaboration, commercialisation and new industry development by:

- Building world class platforms for national and global collaboration spanning customers, industry, academia and government;
- Developing and demonstrating solutions suitable across the state's unparalleled diversity of metropolitan, regional, remote and tropical applications and extreme weather conditions;
- Focusing on core strengths and step-change improvements including whole-of-system integration, climactic resilience and disaster recovery
- Fostering new institutional capacities for supporting both new energy enterprise incubation and workforce skills development; and,
- Capitalising on Queensland's proximity to Asia and Oceania together with its outstanding physical and cultural environment as a global drawcard.

3. Excite and empower the community

Queensland's energy systems transitioned from infrastructure-centric networks to highly adaptive platforms that enable a new generation of customer-centric-energy 'apps' and unleash a dynamic ecosystem of vibrant existing and new energy businesses. This will be underpinned by:

- Enabling equitable energy access for all Queenslanders through the most fit-for-purpose solutions for a given region, community and customer base;
- Propelling Queensland business, advanced manufacturing, mining and agriculture forward through access to the nation's most customisable and competitive energy sources;
- Leading the implementation of fair and simple signals that 'just make sense' in helping households and enterprises to make intelligent energy investments and usage decisions;
- Empowering whole-of-society energy stewardship and deep engagement in the state's growing profile as a global Cleantech powerhouse and employment driver in an advanced economy.

PARTNERS AND MEMBERS



REGIONAL ALLIANCES



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COMMITTED TO IMPROVING THE STATE OF QUEENSLAND

For further information on the Queensland Futures Institute,
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Please see our website www.qldfutures.com.au