

**2030**  
EVERYONE

# E3 Opportunity Assessment: Developing the future energy workforce



**UTS**  Institute for Sustainable Futures

 **MONASH**  
University

**CLIMATE**  
**KIC** KNOWLEDGE  
INNOVATION  
COMMUNITY  
AUSTRALIA

  
energy efficiency  
COUNCIL

Startupbootcamp

(Energy)<sup>Lab</sup>

**API** The Australian  
Power Institute

# Developing the future energy workforce – RACE for 2030 opportunity assessment project summary

## RACE for 2030

The Reliable, Affordable, Clean Energy (RACE) for 2030 Cooperative Research Centre (CRC) is an industry-led research collaboration to drive energy innovation across the supply chain to deliver improved, lower cost and lower emission energy services for energy customers. RACE will increase distributed clean energy uptake by increasing load flexibility and support the growth of Australian energy technology businesses.

RACE's research lessons will be driven into the market through market transformation programs to deliver the targets of:

- Reducing energy costs;
- Cutting carbon emissions; and
- Increasing customer load flexibility to allow increased penetration of renewables in the grid and increased reliability.

RACE for 2030 has four program themes:

- RACE for Business;
- RACE for Homes;
- RACE for Networks; and
- RACE for Everyone (covering cross-sectoral issues).

## Opportunity assessment projects

Opportunity assessment projects are short-term investigations to guide where RACE for 2030 should focus its efforts in each research theme. They will also provide a framework for developing and tracking research activities over the whole life of RACE for 2030.

Opportunity Assessments should review the state of technology and the market for the particular research theme, estimate the scale of potential benefits and costs, identify specific targeted impacts and propose research priorities to achieve these impacts.

## Theme E3: Developing the future energy workforce

*What are the skills, innovation and learning programs required for the workforce to facilitate the energy transition with a customer centric and increasingly decentralised energy system, and how can they be best delivered?*

The purpose of the *developing the future energy workforce* opportunity assessment project is to develop a pathway to understanding the present and future energy workforce in Australia. It seeks to understand the expected and potential workforce growth for a rapid and equitable transition, the specific occupations and skills that are going to be required, how to deliver the training needed, and how innovation pathways can be strengthened to support Australia's energy transition. The project includes three work packages on:

1. Market size, workforce and employment;
2. New skills development; and
3. Innovation pathways.

The project will produce a research roadmap, specifying priority research projects, for theme E3, including consideration of relevant barriers and solutions, for the duration of RACE for 2030.

This project is being led by the University of Technology Sydney, in collaboration with the Australian Power Institute, Climate-KIC Australia, the Energy Efficiency Council, EnergyLab, Monash University, Startupbootcamp and Ultima Capital Partners.

For further information about the project, please contact Holly Taylor, Senior Manager, Industry Development, Energy Efficiency Council at [holly.taylor@eec.org.au](mailto:holly.taylor@eec.org.au).

**RACE for**

**2030**



Australian Government  
Department of Industry, Science,  
Energy and Resources

**Business**  
Cooperative Research  
Centres Program