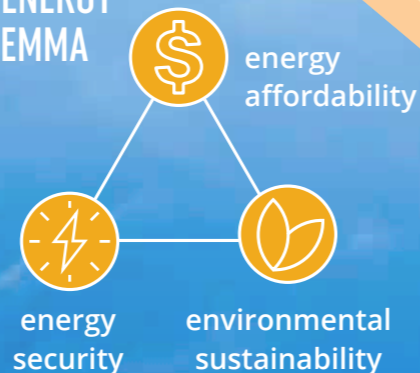


WESTERN AUSTRALIA'S ENERGY FUTURE

As the owner and operator of WA's largest gas distribution network, it's ATCO's responsibility to plan for our energy supply future, in the long-term interests of customers. This has never been more complex, with evolving energy policy adding to the challenge of trying to balance the traditional energy trilemma.

THE ENERGY TRILEMMA



FACTORS TO CONSIDER WHEN PLANNING FOR THE FUTURE:



Energy policy

As a signatory to the 2016 Paris Agreement on Climate Change, Australia has pledged to reduce carbon emissions. This is shaping national and state policy discussions.



Changes in technology

Decarbonisation is driving innovation. Future plans must be flexible enough to adapt to technological change.



Consumer behaviour

From solar panels to smart technology, customers are more empowered than ever when it comes to how and when they consume energy. Policy must respond to changing demand.

FUELLING THOUGHT

To help policy makers and those in the energy supply chain plan for an uncertain energy future, ATCO commissioned a report on Western Australia's Energy Future.

The aim is to stimulate thinking and discussion between customers, policy makers and energy suppliers, rather than predict the future.

OUR ENERGY FUTURE

The report models four possible energy scenarios for WA as we head towards 2030. They range on a sliding scale towards meeting the Paris Agreement emissions targets. The star ratings indicate how well each scenario rates against the energy trilemma factors.

SCENARIO 1

CONTINUATION OF TRENDS

Things continue as they are with energy policy, power generation and energy use. After the carbon tax changes, State and Federal Governments are reluctant to support market-based climate tools. Households embrace solar, however Australia doesn't meet its Paris targets.



SCENARIO 3

DECARBONISATION ACTIVELY PURSUED

Government takes action to meet our Paris Agreement commitments. Policy supports the uptake of renewables and companies like ATCO invest in infrastructure to carry low emission gases including hydrogen.



SCENARIO 2

DECARBONISATION PARTIALLY PURSUED

There is growth in intermittent renewable energy generation. To reduce emissions, there's a switch from coal to gas-fired electricity generation resulting in a dramatic rise in the demand for gas.



SCENARIO 4

TECHNOLOGY DRIVES DISRUPTION

Disruptive technologies are aggressively pursued and become cost effective with traditional power supply options. Customers generate and store power and effectively manage their own energy needs.



THE FUTURE FOR GAS

In every scenario, modelling shows gas will remain integral to WA's energy future. There is a continued need to invest in the existing gas network to ensure it can meet the growth in connections and consumption, while building the foundation for a clean energy future with a shift to low emission gases like biogas and hydrogen.

READ THE FULL REPORT AT yourgas.com.au/energyfuture

ATCO