

July was Earth's hottest month ever recorded: NASA

Canonical: <https://northmoregordon.com/news/july-was-earths-hottest-month-ever-recorded-nasa/>

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About this update

This dated news record has been reorganised for clear reading and connected to current guidance.

Publication date: August 17, 2016.

Status note: Present-tense statements, market figures, deadlines and program details in the archived record belong to its publication date. Check current official sources before making a decision.

What this article reported

> "The scary thing is that we are moving into an era where it will be a surprise when each new month or year isn't one of the hottest on record," said Chris Field, a climate scientist at the Carnegie Institution and Stanford University.

<http://www.news.com.au/technology/environment/climate-change/july-was-earths-hottest-month-ever-recorded-nasa/news-story/3f55cb40379dea5ecd61d795d12abe>

Climate Change, NASA

How to use this information now

For current use, confirm the applicable scheme rules, regulator notices, market date and reporting period. Keep historical prices or forecasts separate from present quotes and verified outcomes.

Separate source-reported facts from forecasts, targets and commentary. For a current project, retain the official source, version, effective date, assumptions and decision record in the evidence file.

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Why is July 2016's record as Earth's hottest month significant for businesses and organizations?

The record highlights accelerating climate change, which has direct implications for organizational planning and risk management. Businesses face increasing physical risks from extreme weather, regulatory pressure for emissions reporting, and stakeholder expectations for climate action. This context reinforces why organizations should assess their energy consumption, carbon footprint and transition pathways. We support businesses in understanding their emissions baseline, identifying reduction opportunities, and developing climate change mitigation and adaptation plans to address these growing risks and regulatory requirements.

What does Chris Field's quote about monthly temperature records imply for long-term planning?

Field's observation that record-breaking months are becoming the norm rather than the exception suggests climate volatility and warming will intensify. This has planning implications: weather-dependent operations will face greater variability, cooling and heating demands may increase unpredictably, and climate-related asset risks will worsen. Organizations should move beyond reactive responses to proactive resilience planning. We help clients assess climate risks, model scenarios under changing conditions, and develop staged decarbonization pathways that reduce both emissions and exposure to climate impacts.

How does global temperature acceleration relate to organizational emissions reporting obligations?

As climate impacts intensify, regulatory frameworks increasingly require organizations to report emissions and demonstrate climate preparedness. In Australia, licensed premises must develop Climate Change Mitigation and Adaptation Plans with emissions assessments and implementation strategies. The accelerating climate record underscores the urgency of these compliance obligations and the importance of credible, timely reporting. We provide emissions inventory development, boundary definition, reporting support for frameworks including NGER and ASRS, and transition planning services to help organizations meet these obligations with verified, documented baselines and reduction strategies.

What practical energy management decisions become more urgent given accelerating climate change?

Organizations should prioritize understanding their current energy use, identifying efficiency opportunities, and reducing reliance on fossil fuels before regulatory deadlines or market disruptions force hasty decisions. Record temperatures increase risks of disruption from cooling demand spikes, peak pricing, or supply constraints. Early investment in energy efficiency, renewable electricity and electrification provides cost certainty and operational resilience. We support this through energy audits to identify savings opportunities, feasibility assessments for renewable heat and electrification, and measurement and verification to establish credible performance outcomes that justify capital investment.

How can organizations use climate acceleration data to strengthen investment cases for energy projects?

Rising global temperatures and extreme weather increase the business case for energy and carbon projects by adding resilience, regulatory compliance and risk-mitigation benefits alongside direct energy savings. Organizations can model how efficiency and renewable energy investments reduce exposure to price volatility, weather disruption and compliance risk. A robust investment case separates energy savings, operational benefits, certificate proceeds and risk reduction as distinct value streams. We assist by developing investment cases that quantify these benefits, assessing funding pathways, and providing evidence through measurement and verification to demonstrate that projected improvements are achieved.

Why should industrial and commercial organizations begin carbon management now, given this climate context?

Delaying carbon management and emissions reduction creates compounding risks: regulatory deadlines approach (NSW CCMAPs due 31 March or 31 August 2027), market expectations for decarbonization are rising, and physical climate impacts are accelerating. Early action allows organizations to conduct thorough assessments, explore cost-effective options, and spread implementation costs over time rather than facing rushed, expensive compliance efforts. We provide diagnostic workshops to clarify current carbon management status and gaps, inventory services to establish baselines, and transition planning to identify and prioritize reduction opportunities with clear ownership, timelines and expected outcomes.

What is the connection between global temperature records and water utility operations?

Record heat intensifies water system stresses: higher temperatures increase evaporation and cooling demand, extreme weather disrupts supply and treatment, and drought risk grows. Water utilities face operational pressures and energy cost volatility. We provide operationally focused support for water and wastewater systems, including energy audits, renewable energy and electrification feasibility assessment, carbon roadmaps, and emissions reporting. For utilities like GWMWater, this includes pumping optimization, aeration efficiency, renewable generation assessment, and staged implementation that maintains treatment performance while reducing energy intensity and emissions.

How does the accelerating climate record relate to renewable energy procurement decisions?

As temperatures rise and weather becomes more volatile, reliable access to renewable electricity becomes both a risk-mitigation strategy and an operational necessity. Organizations may face price spikes, grid constraints or supply reliability issues that make long-term renewable energy commitments more attractive. moREnewable100 allows organizations to procure renewable energy certificates aligned with consumption without changing existing electricity contracts, providing price certainty and supporting RE100-aligned sourcing. This approach helps organizations secure renewable attributes, establish market-based Scope 2 accounting, and demonstrate climate commitment while managing procurement risk.