

Energy, Carbon and Certificate Articles

Canonical: <https://northmoregordon.com/articles/>

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Practical guidance for energy and carbon decisions

This library covers energy efficiency, emissions accounting, environmental certificates, government programmes, reporting and project delivery. Articles may describe rules, markets or programmes at the date they were published, so confirm current requirements before making an investment or compliance decision.

Start with the decision in front of you

Understand Scope 1, 2 and 3 emissions before defining an inventory or reduction boundary.

Turn an energy audit into an action programme with owners, evidence and verification.

Connect emissions evidence with transition planning .

Review environmental-certificate types and evidence .

Browse Articles

10-steps to get 'Fit for Summer' in Energy and Carbon

5 Reasons to set a carbon target now

5 Steps To Create Your Carbon Reduction Strategy

Activity 47: A new way to fund commercial solar in Victoria.

Advice That Executes – Premium Service, Practical Results

All Energy 2025 Recap: Solar Projects, VEEC Revenue and Unlocking New Value with Activity 47

Are you buying electricity in Singapore? Avoid these common mistakes...

ASRS Group 3: are you in scope and don't know it?

Australia 82% Renewable by 2030; You're Joking! Large Energy User Challenges.

Australia's 2030 Renewable Energy Target: What it means for your business

Australia's GO Scheme: What You Need to Know as LGCs Begin to Wind Down

How to avoid costly energy project mistakes in manufacturing.

Benefiting from waste heat recovery

Better Metering & Monitoring is Growing

Beyond annual matching: The evolution of time-stamped RECs

Beyond Net Zero: The Practical Sustainability Moves That Will Matter Most in 2026

How To Determine Baselines and Estimated Savings with M&V;

Capitalising on Large Generation Certificates (LGCs): Amplifying Returns from Solar PV Investments in Australia

Carbon Accounting, Environmental Certificate Treatment and Public Disclosure

1 + 1 = 3, Carbon Can't Count [Carbon 101 Series]

Harnessing Carbon Offsets and Renewable Energy Certificates (RECs) for Authentic Decarbonisation (Corporate Retirement)

Are you ready to publish your mandatory Climate Change Mitigation and Adaptation Plan (CCMAP) for NSW sites with Environment Protection Licences?

C&I; Solar Installers: Unlock more value from every solar project.

Climate Active Organisations Pave The Way For Sustainable Action

Discover what worked in 2025 and where to focus in 2026.

Disruption of Energy and Transportation

Don't miss out on Energy Grants – Secure funding for your business

Earn More from C&I; Solar – What Activity 47 Means for You

EEC Energy Efficiency Scenario Modelling

Electrification with a Payback Plan: Engineering Upgrades for Certificate Upside

Emission Reduction Fund Auction

Energy Audits Are A Critical Step To Cost Savings & Energy Management

Government Grants/ Program to Know About – September 2026 Update (Australia)

How can a Consultant increase my plant efficiency?

Delaying Your Solar Projects (beyond 31 Jan 2025) Will Cost Your Clients Up to 26% in VEEC Rebates

How Energy Efficiency Prevent's Costly Grid Upgrades at Industrial Sites

How Government Energy Grants typically work.

How Measurement & Verification Improves Performance of Energy Efficiency Projects

How to Approach Decarbonisation in Industrial Bakeries

Swimming Towards Sustainability: How to Reduce Energy Costs in Large Pools and Aquatic Centres

How To Validate Energy Efficiency Improvements With Regression Analysis

I am your compressed air guide – Developed by OEH & Northmore Gordon

I-RECs in Korea: A Practical Guide for Corporate Buyers and Solar Owners

Feeling a bit gassy & bloated? Increase your energy efficiency, reduce costs and support the environment

Industrial metering and data systems should be Technology-Agnostic and Performance-Driven

Introducing moREnewable100: Worldwide Renewable Energy Has Never Been Cheaper

Introduction to PBA VEU Projects: What They Are and Why They Matter

Is it climate action or is it just greenwashing?

Key Considerations for Companies When Purchasing Carbon Offsets

Key Purchasing Considerations for Renewable Energy anywhere in the world using RECs

Making energy data useful through visualisation

Mandatory Climate Reporting is coming – Is your business ready?

Navigating Environmental Certificates: A Roadmap to ESG Compliance and Transparent Reporting

Navigating the 2025 VEU Changes: What They Mean for Your Business

Navigating the Carbon & Energy Transition: A Guide for Australian Businesses in 2024

Net-zero will impact your business whether you have a target or not

Northmore Gordon and SEEITEK Partner for Rapid Cost-effective Metering & Monitoring for Commercial & Industrial

We help Companies Achieve Net-Zero Status for Operations In New Zealand

We work To Improve Energy Stability in Victoria

NSW Renewable Energy Zones Offer Smart Strategy to Phase Off Coal

Our Journey 2009-2025.

Are you overpaying for environmental charges on your energy bill?

Northmore Gordon and Pangolin Associates form a Strategic Partnership to Support Large Energy Users with ASRS Compliance

Are you ready to pass an NGERS/GHG Audit as required for Sustainability Reporting?

Planning an Energy Efficiency Project: Starting with Sales

Proven Way To Make An Extra \$3,000 On Every Water Heater Installation

Powering a Sustainable Future: The Smart Ways Businesses Can Buy Renewable Electricity

Powering the future: How we help businesses secure electrification funding

Powering the Future: Maximising Electrification for Business Growth

Renewable Heat Pathways: Where Does eTES fit?

Right Sizing for the Energy Transition – Why Metering & Monitoring Matters!

Demystifying the Safeguard Mechanism and the ACCU Market

Why Science-Based Targets Are the Gold Standard for GHG Emissions Strategy

Shorter Paybacks, Bigger Impact: NSW Program Makes Energy Projects Stack Up

Singapore's Increased Carbon Tax Signals Urgent Need to Decarbonise

Solar irrigation upgrades: Don't let certificate funding go unclaimed

Strategic Partnership with Pangolin Associates: Turning ASRS Compliance into Competitive Advantage

Six Strategies to Improve Energy Efficiency at Food & Beverage Facilities

The audit shock: Why companies aren't ready for NGERS and ASRS.

The Australian Energy Savings Schemes are having a big impact

The Hidden Cost of Compressed Air in Industrial Settings

The Hydrogen Colour Spectrum — Where We Are & Where We're Going

The Power of Big Battery Storage: BESS Unlocking the Future of Renewable Energy for Business

The VEET Scheme gets a new name and new regulations

Threats to Energy Supply Chain Stress Need for Effective Energy Procurement Strategy

Understanding How Covid-19 Impacts Measurement and Verification (M&V;)

Unlocking Business Success: The Benefits of Becoming Climate Active Certified

Unlocking Energy and Emissions Opportunities for Australia's Mining Sector

VEEC Market Update – Price Declines May 2025

VEEC prices have soared – Will they stay high?

In Victoria the VEEC rebates now beat LGCs every time

How VEECs and ESCs Can Help Your Business Achieve Energy Efficiency and Sustainability Goals

Wattly Has Moved Office. Check out our new Melbourne location!

Environmental Certificates 101: What Are Environmental Certificates and How Do Their Markets Operate?

The Power & Potential of REZ

What Are Scope 1, 2 & 3 Emissions And How Can You Manage Them [Carbon 101 Series]

What Does Australia's Energy Future Look Like...?

What is Renewable Energy?

What to do after an Energy Audit

What To Know As We Move Towards 2022: Energy Commitments, Improvements, and Government Programs

Where's the value in renewable heat?

Who we are and what we do at Northmore Gordon

Why a Virtual Energy Manager could be the solution

Why Benchmarking of Factory Utilities Is Key To Unlocking Potential of Energy Efficiency

Why Hiring a Consultant is Your Best Bet for Climate Active Certification in Australia

Why Hydrogen Won't Save The World

Why Your Business Should Make Climate Active Certification a Priority in 2024

Are you confident you will meet your annual NGER requirements?

Apply the guidance to your situation

Contact Northmore Gordon when you need to test an article's guidance against a specific site, project, reporting period or scheme.

What types of topics does Northmore Gordon cover in its Articles section?

Our Articles page features thought-provoking and educational content covering renewable energy, energy efficiency, carbon emissions, and government policy updates. Recent articles address practical business challenges such as funding pathways for solar and battery storage, avoiding energy project mistakes in manufacturing, audit readiness for sustainability reporting, and optimizing renewable energy certificates. The collection reflects our expertise across industrial facilities, commercial buildings, and utilities, helping readers understand how policy changes, technical developments, and funding schemes affect their operations and investment decisions.

Why should manufacturers read Northmore Gordon's energy project guidance?

Manufacturing sites face specific energy challenges including compressed-air systems, process heat, refrigeration, and equipment interactions that complicate investment decisions. Our article 'How to avoid costly energy project mistakes in manufacturing' (June 26, 2026) addresses practical pitfalls in scoping, measurement, and funding. Our knowledge library covers sector-specific guidance on compressed air assessment, process heat and electrification options, and refrigeration system performance. Understanding these technical foundations helps manufacturers distinguish between engineering estimates, verified savings, and certificate-eligible activities before committing capital.

What is the relevance of time-stamped renewable energy certificates to businesses?

Time-stamped renewable energy certificates represent an evolution beyond traditional annual matching approaches, allowing organizations to align renewable electricity claims more precisely with their consumption patterns. Our article 'Beyond annual matching: The evolution of time-stamped RECs' (August 18, 2026) explores how this development affects corporate renewable-energy commitments and accounting claims. This matters for companies pursuing RE100 alignment, managing Scope 2 emissions under GHG Protocol frameworks, or responding to customer sustainability requirements. The ability to match generation timing more granularly can improve the credibility of renewable-electricity claims and support more accurate market-based Scope 2 accounting.

How does the ASRS reporting deadline affect medium to large organizations?

The Australian Sustainability Reporting Standards (ASRS) impose mandatory sustainability reporting for certain organizations based on financial-year start, assets, revenue, and emissions thresholds. Our articles 'ASRS Group 3: are you in scope and don't know it?' (September 18, 2026) and 'The audit shock: Why companies aren't ready for NGRS and ASRS' (May 25, 2026) highlight that many organizations are unprepared for these obligations. We offer support including emissions inventory development, transition pathway planning, electrification feasibility analysis, and financial-implication assessment. Early assessment of applicability, data readiness, and boundary definition is critical to avoid compliance gaps.

What funding opportunities exist for solar irrigation upgrades, and how should they be evaluated?

Solar irrigation upgrades can access environmental certificates and other funding mechanisms, but eligibility depends on the specific scheme, activity, premises, and project timing. Our article 'Solar irrigation upgrades: Don't let certificate funding go unclaimed' (August 10, 2026) addresses how to identify and secure available support. We provide certificate-eligibility assessment, measurement-and-verification planning, and funding-pathway evaluation to ensure projects capture applicable incentives. Before installation, organizations should confirm the governing scheme (such as VEU or ACCU pathways), required baseline documentation, and evidence responsibilities to avoid retrospective ineligibility or missing commercial windows.

How can battery energy storage systems (BESS) support renewable energy objectives and what should organizations understand?

Battery energy storage systems enable organizations to capture renewable generation, improve grid stability contribution, and manage peak-demand periods, creating both operational and financial benefits. Our article 'The Power of Big Battery Storage: BESS Unlocking the Future of Renewable Energy for Business' (July 30, 2026) examines how BESS projects integrate with renewable-energy strategies. We provide technical feasibility assessment, environmental certificate evaluation, measurement planning, and funding-pathway analysis. Organizations should evaluate BESS against their actual operating profiles, peak-demand patterns, and available incentives rather than treating BESS as a generic renewable solution. Certificate eligibility and financial returns depend on the specific scheme and project circumstances.

What does Activity 47 represent for commercial solar funding in Victoria?

Activity 47 under the Victorian Energy Upgrades scheme provides a project-based pathway for commercial solar installations, offering an alternative to standardized-activity approaches. Our article 'Activity 47: A new way to fund commercial solar in Victoria' (May 25, 2026) explores how this method enables sites with complex operating patterns or measurement requirements to access Victorian Energy Efficiency Certificates. The project-based route allows measurement and verification or benchmark-rating approaches to establish eligibility and certificate quantity. Organizations considering Activity 47 should engage early with a qualified provider to confirm premises eligibility, establish baseline evidence before installation, and select the appropriate measurement method.

Why might organizations be overpaying for environmental charges on their energy bills?

Energy bills include environmental charges that fund renewable energy schemes, energy efficiency programs, and other mandated policies. These charges may be applied incorrectly, vary across retailers, or fail to reflect actual consumption patterns or facility circumstances. Our article 'Are you overpaying for environmental charges on your energy bill?' (May 25, 2026) highlights this often-overlooked cost driver. We conduct energy audits, utility benchmarking, and procurement analysis to identify cost reduction opportunities. A detailed bill review examining consumption patterns, applicable tariffs, and environmental charges can reveal savings potential before pursuing operational changes or capital investments.

How do renewable heat options fit into industrial decarbonization planning?

Renewable heat and electrification are core components of decarbonization strategies for industrial facilities, but feasibility depends on temperature requirements, process profiles, electrical constraints, and available technologies. Our article 'Where's the value in renewable heat?' (August 24, 2026) addresses how to evaluate renewable heat investments. We provide renewable-heat feasibility assessments examining gas-reduction pathways, electrification options, and heat-recovery opportunities. Organizations should assess renewable heat against their specific operating conditions, capital constraints, and available funding rather than treating it as universally applicable. Technical viability must be paired with commercial case development and measurement planning before implementation.