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

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Sourcing Feasibility & Assessments: Renewables, PPAs or Certificates Compressed Air Services Air Compressor Leak Audits, Surveys and Benchmarking EEO Assessments (SG) Singapore Energy Efficiency Assessments Energy Procurement Navigate energy markets with confidence Virtual Environmental Manager Leverage our teams wide experience Certificates Close Certificates Open Certificates Certificates Our Environmental Attribute Certificate services help businesses accelerate technology adoption, improve project ROI, and manage claims of renewable energy, energy efficiency and carbon offset 1 carbon offset = 1 tonne of CO2-e avoided or removed from the atmosphere. Avoided emissions covers activities that alter behaviour that would have otherwise caused emissions such as energy efficiency improvements or avoided deforestation. Removal covers activities that permanently remove CO2 from the atmosphere such as new forestry plantations, soil carbon improvement or carbon capture and storage. certificates Live Certificate Prices The value of certificates change day-to-day, check todays prices Solar VEECs (VEU PBA) VEU PBA for Large-scale Solar Measurement & Verification (VEU & ESS) M&V; for Large C&I; Efficiency Projects (VEU PBA & ESS PIAM&V;) BESS Calculator Estimate the Peak Reduction Certificate revenue available to your NSW battery project in minutes ERF & Carbon Credit Registration ACCUs for Emission Reduction Projects Boiler Upgrades (VEU & ESS) NSW & VIC Boiler Rebates REC Registration (I-RECs & LGCs) Register renewable assets for I-RECs and LGCs Trade RECs & Carbon with us Trade Local & International Environmental Attribute Certificates moREnewable100 (RECs & Offsets) Reach Global Sustainability Goals with Certificates and Offsets Deemed Certificates (VEU & ESS) NSW & VIC Rebates Global Certificates Environmental Attribute Certificates Australian Programs Australian EAC Programs Case Studies Sectors Articles Team More Close More Open More Northmore Gordon Learn more about Northmore Gordon with the latest news and insights, were to find us, and the extensive terminology used in emissions reductions About Us Who we are & what we do in energy efficiency & decarbonization. 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We explain how all options use Renewable Energy Certificates (RECs I-RECs, GOs, TIGRs, LGCs, ZNECs, J-Credits) to verify the environmental benefits. 1. Onsite Renewable Energy (Behind-the-Meter) What it is: The installation of renewable generation systems, solar panels, wind turbines or bioenergy Biomass is plant or animal material used to produce electricity or heat. Examples include forestry by-products, crop waste, animal waste and food processing waste. Biomass is considered a renewable energy fuel if it comes from a sustainably managed source. directly at your facilities. The electricity powers your operations, reducing dependence on the grid. Why it matters: Provides direct control over generation and use. Delivers visible sustainability impact and reduce Scope 2 emissions. It can help lower long-term energy costs once capital investments are paid off. RECs, from the generation, can be registered and retired for audit purposes. Considerations: Higher upfront costs, available space, and maintenance responsibilities can be barriers for some organisations. However, the sense of ownership and visible sustainability benefits make it a compelling option. It is also possible to have onsite renewable energy provided “as-a-service”, in this case another entity owns & maintains the system, and the facility simply pays for the renewable energy that is generated. 2. Power Purchase Agreements (PPAs) What it is: A PPA Power Purchase Agreement is a direct agreement between a renewable energy project developer and an end-user for the sale of renewable electricity. Behind the meter, PPAs are commonly used for on-site solar. Off-site PPAs supply renewable energy from projects that are connected to the same electricity grid as the end-user, but can be located anywhere. is a long-term contract with a renewable energy generator, where you buy electricity and RECs directly from a specific site (often offsite and connected to the grid). Why it matters: Ensures price stability with fixed or predictable energy costs. Provides traceability as you know exactly where your renewable electricity comes from. Demonstrates a clear commitment to supporting new renewable infrastructure. Considerations: PPAs typically require long-term commitments and may be more suitable for organisations with consistent energy demand and a robust credit profile. 3. Virtual Power Purchase Agreements (VPPAs) What it is: A VPPA is a financial contract not a physical one where you agree to purchase the output (or financial value) of renewable energy projects. You don't directly receive electricity but gain the environmental attributes (RECs) and price benefits through a "contract for difference". Why it matters: Provides flexibility as there is no need to match physical supply to your operations. Helps finance renewable projects and claim renewable energy use. Ideal for companies with multiple or global sites. Considerations: Because it's a financial hedge, VPPAs can expose buyers to market risks and price volatility, so they're best suited for organisations with internal energy or finance expertise. 4. Renewable Energy Certificates (RECs) What it is: RECs (or equivalent instruments like LGCs in Australia) represent proof that 1 MWh of electricity was generated from a renewable source. Organisations can purchase RECs to offset their grid electricity use. Why it matters: Simple and fast way to achieve renewable electricity claims. No infrastructure investment is required (opex not capex) Provides flexibility for meeting interim or small-scale sustainability goals. Often the lowest cost mechanism to achieve renewable energy. Considerations: While RECs support renewable generation indirectly, they may not increase additional renewable capacity if there is substantial oversupply in the market. RECs may seem more abstract than other renewable energy options, but all options in fact use RECs to verify the validity of the renewable energy . See Northmore Gordon's moREnewable100 to do more with less. 5. Finding the Right Mix Each approach offers a unique balance between cost, control, and impact. Many organisations use a hybrid strategy combining onsite generation with PPAs or RECs to meet their sustainability targets efficiently while managing risk. The best choice depends on: Your energy consumption profile Budget and risk appetite Sustainability objectives And your timeline for achieving renewable goals Partnering for a Renewable Future At Northmore Gordon, we help clients assess their energy use, explore renewable options, and design tailored procurement strategies. Whether you're just beginning your renewable journey or scaling your commitments, we ensure your investment delivers measurable impact for your business, your stakeholders, and the planet. Certificates , Energy Efficiency , IRECs , Renewable Electricity , Renewable Energy You may also like: Welcome to our August & September 2026 Compliance Update. Australian Certificate Markets – August 2026 Update Where's the value in renewable heat? Latest Updates ASRS Group 3: are you in scope and don't know it? September 18, 2026 Correct as at 13 September 2026. 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