



ABOUT 100% RENEWABLES AND HOW WE HELP **COUNCILS & COMMUNITIES**

ABOUT



ABOUT

100% RENEWABLES

WHAT SETS US APART



TRUSTED GOVERNMENT PARTNER

Preferred supplier to numerous Government panels



EXCEPTIONAL CLIENT SATISFACTION

With an NPS of over 75, our clients trust and recommend us



CARBON NEUTRAL FIRM

Climate Active carbon neutral certified



KNOWLEDGE HUB

Go-to resource for net zero learning via multimedia content



EXPERT NET ZERO TEAM

Multi-disciplinary specialists designing innovative solutions

OUR STORY AND VALUE PROPOSITION

100% Renewables is a consulting firm that partners with all levels of government, businesses and industry associations to help them decarbonise and prepare for mandatory reporting. Recognising the powerful intersection of business success and climate ambition, we launched the company in 2015 to help organisations *Drive Net Profit with Zero Emissions*.

We solve customer challenges with innovative, whole-of-business decarbonisation solutions. Our nimble, senior-led team sets us apart from larger firms, bringing simplicity and personal commitment to every project. Driven by our values, we innovate, share knowledge, and develop solutions that are impactful, ensuring that business success aligns with a sustainable future.

We provide analytical expertise and capacity building to help councils develop and implement their own carbon neutral and net zero plans, and to provide leadership in helping their communities transition and adapt in a carbon-constrained world.



OUR VISION

We believe in a future when all organisations are 100% renewable and have zero emissions



OUR MISSION

Driving Net Profit with Zero Emissions



OUR VALUES

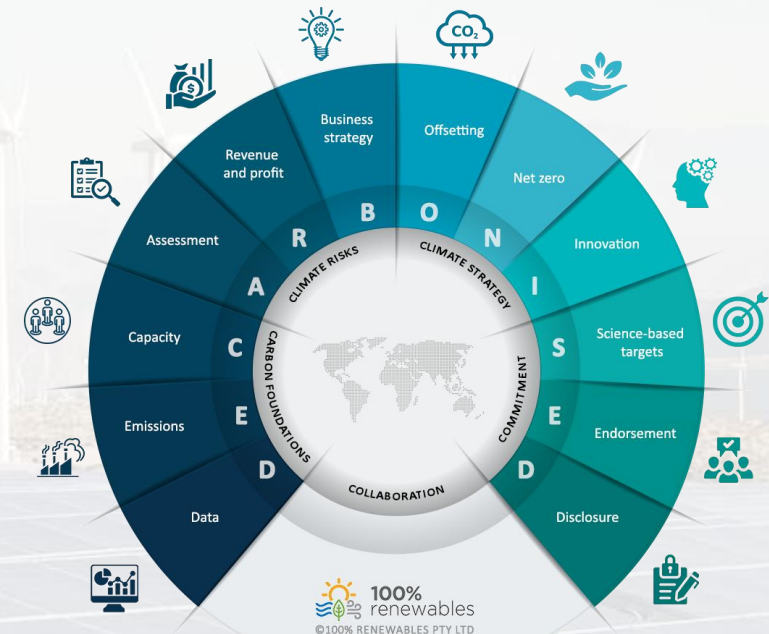
Aim high
Always be curious
Act now

OUR DECARBONISED APPROACH

We help organisations decarbonise by building carbon footprints and internal capacity, addressing climate risks and opportunities, developing transition plans, setting targets and preparing our clients for reporting. We also help reduce our customers' value chain emissions by engaging with their suppliers.

Our goal is to be a full-service partner to clients across the spectrum of decarbonisation services and to meet and work with them where they are on that journey.

Whether aiming to lead in sustainability, meet regulatory demands, or embark on their first steps, we empower our clients to achieve their decarbonisation goals, supporting them every step of the way.



Panel Appointments We Hold



Professional Memberships





HOW WE HELP COUNCILS AND COMMUNITIES



THE PROBLEM



Pressure from stakeholders



Employee pressure



No alignment of net zero target with business plan



No whole-of business plan to achieve net zero



Net zero not part of any KPIs or accountabilities



Net zero low priority compared with other business



ALIGN

- › Net zero diagnostic
- › Senior management meeting
- › Meeting key organisational stakeholders

WHAT YOU RECEIVE

- ✓ Executive level buy-in strategy
- ✓ Key stakeholders are aligned with your net zero goal
- ✓ Net zero diagnostic results and recommendations report
- ✓ Increased climate literacy & understanding of value chain emissions

2 MONTHS



ANALYSE

- › Carbon footprint
- › Identification of abatement measures (onsite or online)
- › Business case analysis

WHAT YOU RECEIVE

- ✓ List of emission sources/hotspots
- ✓ Your carbon footprint and projected emissions
- ✓ Net zero emissions abatement solutions
- ✓ Short/medium/long-term action plans and net zero pathway

3 MONTHS



ADOPT

- › Net zero roadmap
- › Face to face or online presentation

WHAT YOU RECEIVE

- ✓ Your final net zero strategy
- ✓ Presentation of the strategy to the Executive/Board
- ✓ Senior management commitment to net zero with interim targets
- ✓ Your recommended immediate next steps

1 MONTH

THE PAYOFF



Increased business value, reputation and growth



Drives inv. in low carbon technology & product/ service innovation



Better talent acquisition and retention



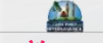
Whole of business alignment on net zero goal



Informed sustainable procurement decisions

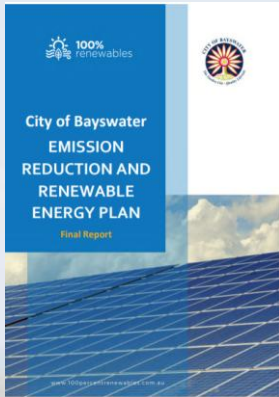


Engaged and aligned stakeholders

	Client name	Project type
	City of Ipswich	2025 - Net Zero Roadmap Modelling
	Byron Shire Council	2025 - Net Zero Pathway
	City of Karratha	2024 - GHG inventory and Emissions Reduction Plan
	City of Clarence	2024 - Climate Action Plan
	Burdekin Shire Council	2024 - Corporate greenhouse gas emission inventory
	City of Greater Bendigo	2024 - Organisational emissions boundary
	City of Canada Bay	2024 - Scope 3 and Emissions Reduction Action Plan
	Hunters Hill Council	2024 - Net Zero Implementation Plan
	Narrabri Shire Council	2024 - Renewable Energy Action Plan and Renewable Energy Implementation Plan
	Port Stephens Council	2023 - Carbon Neutral Action Plan
	Cairns Regional Council	2023 - Low Carbon Procurement Opportunities Paper
	Lake Macquarie Council	2023 - Action plan for council operations
	Blayney Council	2023 - Emissions Reduction Plan
	Central Tablelands Water	2023 - Emissions Reduction Plan
	Forbes Council	2023 - Emissions Reduction Plan
	Lachlan Council	2023 - Emissions Reduction Plan
	Lithgow Council	2023 - Emissions Reduction Plan
	Orange Council	2023 - Emissions Reduction Plan
	Parkes Council	2023 - Emissions Reduction Plan
	Dubbo Regional Council	2022/23 - Carbon footprint and net zero pathway development
	Sutherland Shire Council	2022 - Net zero pathway development
	Ballina Shire Council	2022 - Emissions Reduction and Renewable Energy Action Plan
	Singleton Council	2022 - Emissions Reduction Plan for Council and Community
	Tamworth Regional Council	2022 - Sustainability Strategy redevelopment 2016/17 - Sustainability Strategy
	Glen Innes Severn Council	2022 - Corporate Emission Reduction Plan (CorERP)
	Campbelltown Council	2022 - Net Zero Strategy
	Camden Council	2022 - Net Zero Pathway
	Cabonne Council	2022 - Emissions Reduction Plan
	Bathurst Regional Council	2022 - Emissions Reduction Plan
	Sunshine Coast Council	2021 - SBTi-aligned carbon abatement pathways
	City of Bayswater	2021 - Emissions Reduction and Renewable Energy
	Wagga Wagga Council	2021 - Net Zero Strategy
	Summerland Credit Union	2021 - Net Zero Emissions Roadmap
	Murrumbidgee Council	2021 - Energy Strategy

	Client name	Year
	Edward River Council	2021 - Energy Strategy
	Berrigan Shire Council	2021 - Energy Strategy
	Parramatta Council	2021 - Carbon Neutral & Emissions Reduction Strategy
	Walcha Council	2021 - Climate Action Strategy
	Cowra Council	2021 - Net Zero Roadmap (Council, Industry and Community)
	Coolamon Shire Council	2021 - Energy Savings Action Plan
	Bland Shire Council	2021 - Energy Savings Action Plan
	Weddin Shire Council	2021/23 - Renewable Energy Action Plan and ERP
	Oberon Council	2021/23 - Renewable Energy Action Plan and ERP
	Murray River Council	2020/21 - Energy Plan
	Narrandera Shire Council	2020/21 - Climate Action Strategy
	Leeton Shire Council	2020/21 - Energy Masterplan
	Upper Hunter Shire Council	2020/21 - Energy Masterplan
	Clarence Valley Council	2020/21 - Community Energy and Emissions Reduction Strategy
	City of Newcastle	2020 - Community engagement, GCoM
	MidCoast Council	2020 - Climate Action Strategy
	Kempsey Shire Council	2020 - Long Term Renewable Energy and Water Strategy
	Ku-ring-gai Council	2020 and 2021 - Community Inventory and Climate Change Strategy, Engagement
	Temora Shire Council	2020 - Energy Strategy & Action Plan
	Randwick City Council	2019 - Renewable Energy Roadmap
	Nambucca Valley Council	2019 - Renewable Energy Action Plan 2018 - Clean Energy Strategy
	Queanbeyan - Palerang Regional Council	2019 - Climate Action Plan for Council and Community
	Kyogle Council	2019 - Renewable Energy Action Plan
	Richmond Valley Council	2018/19 - Renewable Energy Action Plan
	Willoughby City Council	2018 - Sustainability Action Plan for Council and Community
	Inner West Council	2018 - Carbon Neutral & Renewable
	Tweed Shire Council	2017 - Renewable Energy Action Plan
	Rous County Council	2017 - GHG Abatement Strategy
	North Sydney Council	2017 - Renewable Energy Feasibility Study
	Bega Valley Shire Council	2016/17 - Zero net emissions plan
	Port Macquarie Hasting Council	2016 - Long Term Sustainable Energy Options
	Coffs Harbour City Council	2015/16 - Renewable Energy and Emission Reduction Plan
	Lismore City Council	2015 - Renewable Energy Master Plan

Many of our reports underpinning the adoption of ambitious targets for renewables and emissions are available online.
Examples are highlighted below.



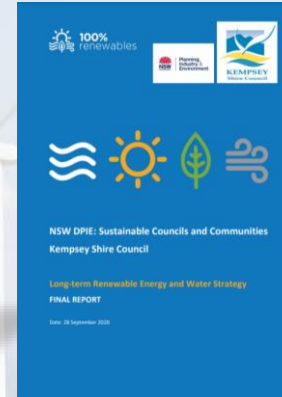
City of Bayswater



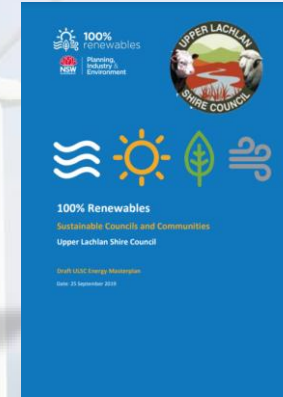
MidCoast Council



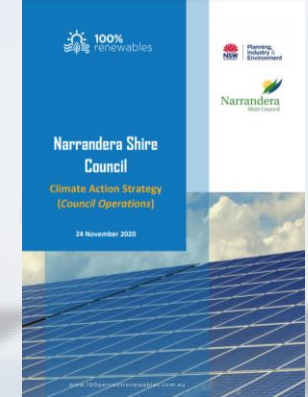
City of Canada Bay



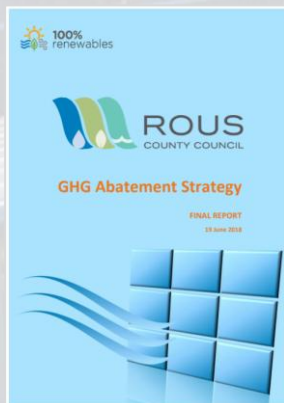
Kempsey Shire Council



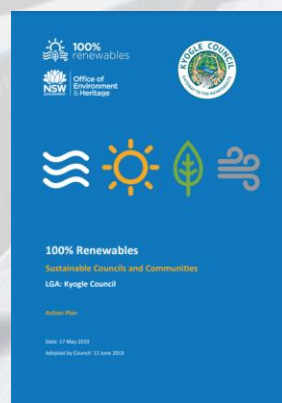
Upper Lachlan Shire
Council



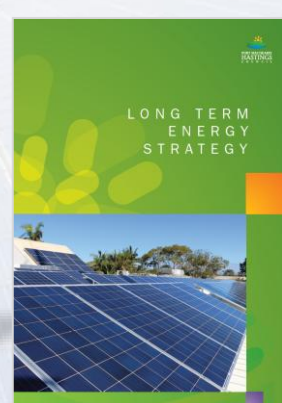
Narrandera Shire
Council



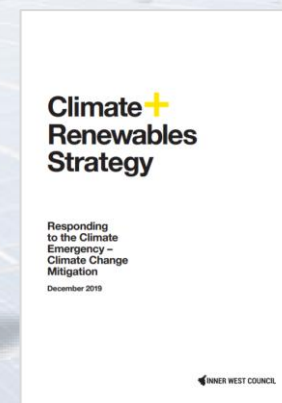
Rous County Council



Kyogle Council



Port Macquarie
Hastings



Inner West Council



Queanbeyan - Palerang



Willoughby City Council

THE PROBLEM



Reduce emissions by 2050 or earlier



Keep temperature within 1.5 degrees Celsius



Help communities adapt to climate change



No coherent emissions reduction plan for the community



No regional strategy that has buy-in from the community



COMMUNITY EMISSIONS

- › GPC aligned methodology for carbon inventory
- › Draw on BZE snapshot for communities
- › Engage with local energy utilities
- › Identify regional trends

WHAT YOU RECEIVE

- ✓ GPC-aligned community/regional carbon footprint
- ✓ Baseline/BAU emissions for the region
- ✓ Workbook that underpins the footprint
- ✓ Repeatable methodology and knowledge transfer



COMMUNITY ENGAGEMENT

- › Face-to-face, online and survey methods
- › Community segmentation and focus groups
- › Engage with multiple groups from youth to aged care, residential and business

WHAT YOU RECEIVE

- ✓ Different viewpoints across community segments
- ✓ 1000s of data points on community needs
- ✓ Identification of community leaders or champions
- ✓ Community and regional buy-in



ABATEMENT ROADMAP

- › Identify and assess:
 - › renewable energy supply
 - › behind-the-meter opportunities
 - › mobility and circular economy
 - › land-based abatement measures

WHAT YOU RECEIVE

- ✓ Abatement pathway over time
- ✓ Staging of cost-effective abatement measures
- ✓ Consensus on the highest priority measures
- ✓ Net zero emissions abatement solutions



NET ZERO STRATEGY

- › Draft net zero strategy
- › Recommended targets and interim targets
- › Take on board feedback from stakeholders
- › Finalise net zero strategy

WHAT YOU RECEIVE

- ✓ Council's net zero strategy
- ✓ Basis for future grant applications
- ✓ Buy-in across the community for implementation
- ✓ Recommended immediate next steps

THE PAYOFF



Comprehensive regional climate action/net zero strategy



Identified regional champions



Motivation in the community to work together



Opportunity to financially benefit the region



Engaged and aligned stakeholders/community

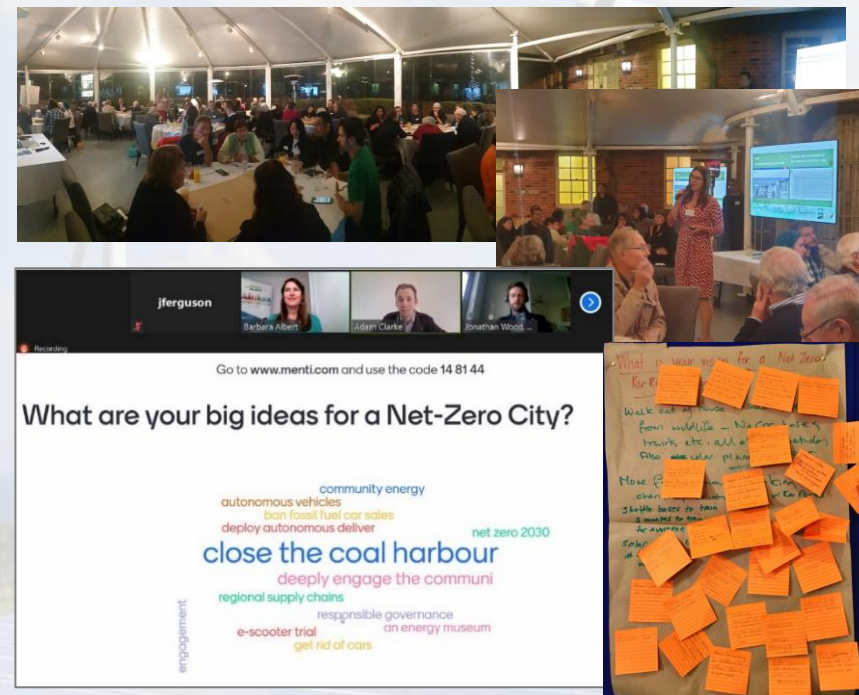
1.5 MONTHS

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1.5 MONTHS

	Client name	Project type	Year
	Western Downs Regional Council	Regional Carbon Emissions Review	2024
	Wollongong City Council	Climate Change Mitigation Plan 2023-2027 for Wollongong City-Wide emissions	2023
	Singleton Council	Emissions Reduction Plan for Council and Community (incl mining/other Safeguard sites)	2022
	Wagga Wagga Council	Net Zero Community support	2022
	Lane Cove Council	Community and stakeholder engagement for the development of the Sustainability Action Plan	2022
	Clarence Valley Council	Community Energy and Emissions Reduction Strategy – <u>adopted</u>	2020/21
	Ku-ring-gai Council	Net zero strategy community consultation Community Inventory and Climate Change Strategy – <u>adopted</u>	2021
	City of Newcastle	Mid-cycle review of the Climate Action Plan (CAP) Community engagement for the new Climate Action Plan	2023 2020
	Hawkesbury City Council	Sustainability Strategy Development	2018/19
	Queanbeyan - Palerang Regional Council	Council and Community Climate Action Plan - <u>adopted</u>	2018/19
	City of Canada Bay	Climate Change Plans, Council and Community - <u>adopted</u>	2019
	Maribyrnong City Council	Community presentation on emissions trends and barriers to the uptake of renewables	2019
	Willoughby City Council	Sustainability Action Plan for the Council and LGA - <u>adopted</u>	2018
	North Sydney Council	Renewable Energy Feasibility Study for the North Sydney Community	2017



HOW WE HELP OUR CLIENTS WITH CALCULATING CARBON FOOTPRINTS AND ACHIEVING CLIMATE ACTIVE CERTIFICATION

THE PROBLEM



Not seen as a leader



Challenging global CO2
and net zero targets



Limited funds / resources



Community demand



Employee pressure



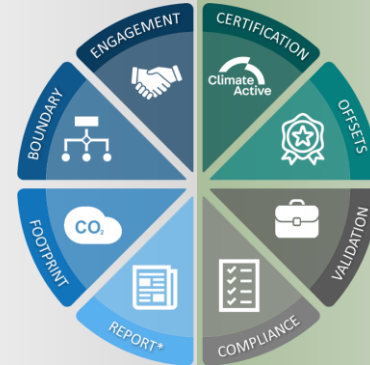
Don't fully understand
your carbon footprint



Causing climate change

PREPARE

- › Online stakeholder engagement
- › Streamlined data collection
- › Structured boundary assessment and Relevance Test
- › Expert analysis of your carbon footprint



WHAT YOU RECEIVE

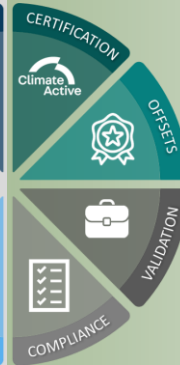
- ☒ Your Climate Active carbon footprint boundary
- ☒ Comparison of boundary to others in the sector
- ☒ Graphical representation of Climate Active boundary
- ☒ Climate Active compliant carbon footprint – Excel sheet*
- ☒ Carbon footprint report for your stakeholders*
- ☒ Clear plan and indicative costs for achieving certification*

*Not needed if going for full CA certification

2 MONTHS

CERTIFY

- › Simple, efficient registration
- › Cost effective validation
- › Cost effective carbon offset procurement
- › Seamless certification



WHAT YOU RECEIVE

- ☒ Emissions reduction plan for Climate Active submission
- ☒ Filled-in Climate Active licence agreement, PDS, spreadsheet
- ☒ Climate Active Technical Assessment
- ☒ Sourcing of cost-effective third-party validation
- ☒ Carbon offset strategy and help with sourcing carbon offsets
- ☒ Climate Active accreditation and use of Climate Active logo

3 MONTHS

PROMOTE



WHAT YOU RECEIVE

- ☒ A podcast episode which showcases your organisation
- ☒ Or a case study showcasing your organisation
- ☒ Or a blog post featuring your organisation
- ☒ Or an internal workshop to engage your staff
- ☒ Or an internal workshop to engage your senior leaders
- ☒ Meet with your marketing department on comms strategy

ONGOING

THE PAYOFF



Lower emissions,
better bottom line



Low emissions growth



Reputation improves



Drives investment in
low carbon technology



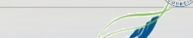
Product/service
innovation



Lower climate risk



Talent acquisition and
retention

	Client name	Project type	Year
	City of Newcastle	Climate Active compliant inventory	2025
	City of Bayswater	Climate Active compliant inventory	2025
	Georges River Council	Climate Active compliant inventory	2025
	City of Perth	Climate Active compliant inventory	2024
	City of Greater Bendigo	Climate Active compliant inventory	2024
	Commonwealth - Department of the Prime Minister and Cabinet	Event carbon footprint assessment	2023
	Northern Beaches Council	Climate Active compliant inventory	2022
	Scenic Rim Regional Council	Carbon Footprint/Baseline Inventory	2022
	City of Ipswich	CFP Inventory	2022
	Sutherland Shire LGA	GHG Emissions Audit	2022
	Blue Mountains City Council	Climate Active carbon footprint analysis	2021/22
	Noosa Council	Climate Active footprint for operations and Community Carbon Footprint	2021, 2022 and 2024
	Willoughby City Council	Climate Active compliant inventory	2021/22
	Parramatta City Council	Climate Active footprint and certification	2022, 2023, 2024 and 2025
	Byron Bay Council	Climate Active footprint	2021 and 2022
	Sunshine Coast Council	Climate Active footprint	2021
	Blacktown City Council	Climate Active footprint	2019-2021
	Inner West Council	Climate Active footprint	2017-2018

Councils listed here are preparing for carbon neutral certification under the Climate Active Standard, or have already obtained certification. Climate Active carbon footprints are more complex than NGER compliant carbon footprints.



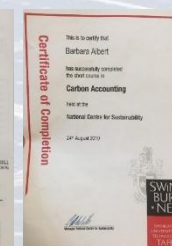
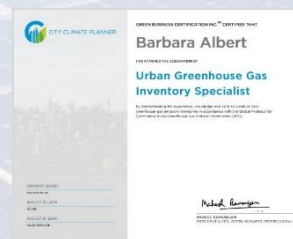
100% Renewables is proudly Climate Active Certified.

We have accredited expertise that can assess any organisation's carbon footprint aligned with best practice.

100% Renewables is a [registered consultant to CLIMATE ACTIVE](#) under **Products and Services, Events, Precincts and Organisations**. Three of our staff are registered consultants with Climate Active.

100% Renewables staff	Products & Services	Organisations	Precincts	Events
Barbara Albert	✓	✓	✓	✓
Theresa Banta	✓	✓	✓	✓

In addition, there are only two people in Australia that are certified Urban Greenhouse Gas Inventory Specialists. Barbara is the [only certified person in NSW](#).



Our Climate Active video series and podcast



100% RENEWABLES' 14-VIDEOS SERIES ON CLIMATE ACTIVE

We are passionate about carbon, energy and net-zero topics and regularly blog and produce relevant videos. One of our video series focuses specifically on achieving Climate Active certification – please click on the link above.

Barbara also hosts a podcast called ***Driving Net Profit with Zero Emissions***, in which we share learnings from organisations leading in climate action.



HOW WE DEVELOP VALUE CHAIN EMISSIONS NET ZERO STRATEGIES

EXPECTATIONS



Greater stewardship of up- and downstream emissions



Net zero targets should include value chain emissions



More customer pressure for your products to be net zero



Better integrity of business emissions measurement



Tenders will increase focus on sustainability credentials



KPIs for low and zero emissions products and services will increase



BASELINE

- > Analyse procurement policies, processes and systems
- > Desktop review of low carbon trends relevant to your value chain
- > Meeting key stakeholders across all functions influencing the value chain

WHAT YOU RECEIVE

- ✓ Stakeholder alignment on the need for value chain decarbonisations
- ✓ Identification of your footprint boundary across VCE
- ✓ Knowledge of emerging trends
- ✓ Gap analysis between current systems and future requirements

2 MONTHS



HOTSPOTS

- > Development of value chain carbon footprint
- > Identification of value chain 'hot spots' and emissions-intensive supplies and vendors
- > Engagement strategy with Tier 1 suppliers

WHAT YOU RECEIVE

- ✓ Inventory of scope 3 emissions
- ✓ Your top scope 3 'hotspot' emissions that you want to and can influence
- ✓ Engagement plan for Tier 1 suppliers to drive change
- ✓ Knowledge about other emissions sources that will inform future plans

2 MONTHS



STRATEGY

- > Assess opportunities for low emissions collaboration
- > Develop win-win solutions including timing, deliverables and costings
- > Identify alternative solutions that meet your net zero objectives

WHAT YOU RECEIVE

- ✓ Net zero plan for 'hotspot' emissions
- ✓ Deeper engagement with your Tier 1 suppliers
- ✓ VCE Net Zero strategy including footprint, Tier 1 plan, future priorities
- ✓ Recommended changes to policies, systems and processes

2 MONTHS

THE PAYOFF



Engaged and aligned suppliers



Informed sustainable procurement decisions



Reduced offset liability and cost



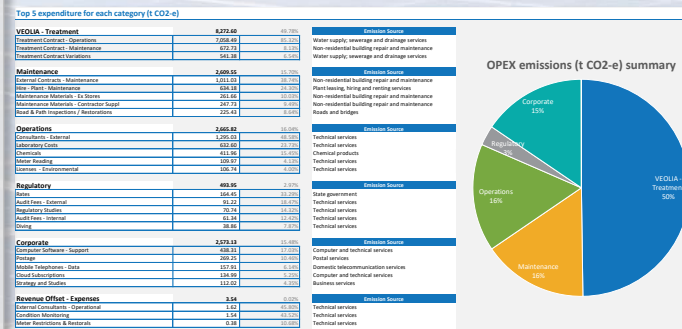
More accurate emissions data from suppliers



Drives inv. in low carbon technology & product/service innovation



Shift from offsetting to inssetting



EXPECTATIONS


Profitable & sustainable
business


Customer & staff
expectations


Reduced
investor risk


Clarity on
climate action


Contribution to
global net zero goal


Target aligned with
maintaining safe climate



PREPARE & ENGAGE

- › Engage key organisational stake-holders to discuss business case
- › Analyse your situation, choose most appropriate SBT approach
- › Select a suitable baseline

WHAT YOU RECEIVE

- ☒ Executive level buy-in and engagement
- ☒ Stakeholders are aligned with your net zero goal
- ☒ Documented SBT method and emissions boundary
- ☒ Included scopes and SBT baseline year



SET TARGETS

- › Calculate comprehensive GHG inventory
- › Develop short-term SBT
- › Develop long-term net zero SBT

WHAT YOU RECEIVE

- ☒ Comprehensive carbon footprint for your business
- ☒ Clarity on whether you need a scope 3 SBT
- ☒ Short-term science-based target and target year
- ☒ Long-term net zero target and target year



DEVELOP STRATEGY

- › Develop net zero strategy
- › Model emissions reduction initiatives to meet targets
- › Align decarbonisation strategy with Sustainable Development Goals

WHAT YOU RECEIVE

- ☒ Abatement pathway out to 2050
- ☒ Staging of cost-effective abatement measures
- ☒ Consensus on the highest priority measures
- ☒ Your core SDGs and alignment to decarbonisation strategy



VALIDATE & COMMUNICATE

- › Target validation by SBTi
- › Communicate target internally and externally
- › Calculate emissions and help you to communicate progress annually

WHAT YOU RECEIVE

- ☒ Sign-off and approval by the Science-Based Target initiative
- ☒ Presentation to internal stakeholders
- ☒ Report which details your targets, strategy, action plans
- ☒ Ongoing help with your annual calculation and comms tasks

THE PAYOFF


Improved profitability
and competitiveness


Increased
innovation


Reduced regulatory
uncertainty


Strengthened investor
confidence and credibility


Future-proofed
growth


Lower emissions,
better reputation



Energy consumption

The top-left chart shows energy consumption from 2020 to 2050. The y-axis ranges from 0.0 to 120,000.0. The x-axis shows years from 2020 to 2050. The legend includes: Wind energy, Density; Solar energy, Density; Hydropower, Density; and Biomass, Density. The total energy consumption increases over time, with a significant portion being met by wind and solar energy.

Carbon emissions

The top-right chart shows carbon emissions from 2020 to 2050. The y-axis ranges from 0.000 to 120,000.000. The x-axis shows years from 2020 to 2050. The legend includes: Wind energy, Density; Solar energy, Density; Hydropower, Density; and Biomass, Density. Carbon emissions peak around 2030 and then decline, reaching near-zero levels by 2050.

Financial

The bottom-left chart shows financial data from 2020 to 2050. The y-axis ranges from -100,000,000 to 100,000,000. The x-axis shows years from 2020 to 2050. The legend includes: Wind energy, Density; Solar energy, Density; Hydropower, Density; and Biomass, Density. The chart shows a significant initial investment (negative values) followed by a period of positive financial returns.

Net-zero scenario

The bottom-right chart shows the net-zero scenario from 2020 to 2050. The y-axis ranges from 0.000 to 120,000.000. The x-axis shows years from 2020 to 2050. The legend includes: Wind energy, Density; Solar energy, Density; Hydropower, Density; and Biomass, Density. The chart shows the total energy consumption and the contribution of different sources, with wind and solar energy becoming the dominant sources by 2050.

THE PROBLEM



Rising energy prices



Don't know what
investments to prioritise



Pressure from management
to reduce operating costs



No energy management
system in place



Understand what new
technologies are emerging



ENERGY BASELINE

- > Analyse your energy consumption, cost and load profile data
- > Assess opportunities for tariff optimisation, improved rates, power factor correction and peak demand reduction
- > Benchmark your facility or process

WHAT YOU RECEIVE

- ✓ Deep insight into your energy use and cost
- ✓ Clear understanding of your major energy-using processes and equipment
- ✓ Quick win opportunities that you can implement today

1 MONTH



SITE ENERGY AUDIT

- > Visit and audit all your plant and equipment
- > Sub-meter equipment where this is in scope
- > Develop a list of opportunities for consideration
- > Cover energy waste, behaviour, controls, retrofit, replacement, renewable energy

WHAT YOU RECEIVE

- ✓ Detailed itemised database of all your energy-using plant and equipment
- ✓ Long list of all the opportunities that might be available to your plant today and into the future
- ✓ Input into expansion or new works that can improve the efficiency of those projects

1 MONTH



ANALYSIS AND REPORT

- > Agree on priority opportunities to be developed
- > Develop business cases
- > Develop energy audit report
- > Present the energy audit findings to management

WHAT YOU RECEIVE

- ✓ Set of prioritised recommendations for energy and cost savings
- ✓ Short, medium, and long-term action plan
- ✓ Buy-in from senior management
- ✓ Projects to include in your next year's budget

1 MONTH

THE PAYOFF



Significant energy savings



Short and medium-term
action plan



Lower energy
consumption per unit
output

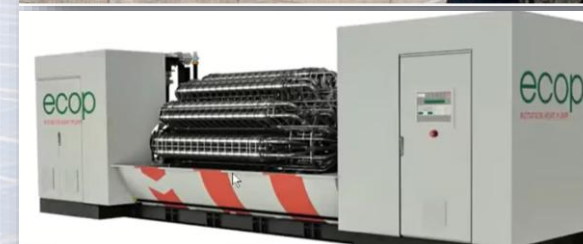
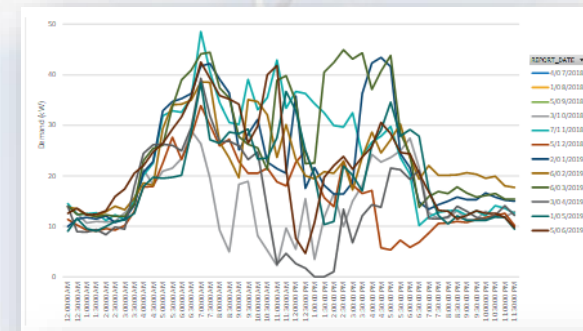


Cost-effective business
cases



Awareness of newer
technologies

	Client name	Project type	Year
	Far North West Joint Organisation	Energy Action Plan - Bourke, Cobar, Coonamble, and Walgett Shire Councils	2025
	Tamworth Council	Energy audits across 20 facilities	2025
	Lithgow City Council	Energy review and feasibility	2025
	Canterbury-Bankstown Council	Energy audit update Energy audits and plan for 12 of Council's largest energy-consuming facilities	2025 2019
	James Cook University	Energy audit	2024
	Moreton Bay Regional Council	Building Energy Audit	2024
	Narrabri Shire Council	Delivery of Renewable Energy Action Plan (REAP) and Renewable Energy Implementation Plan (REIP)	2024
	Southern Cross	Energy audit for SCC Penrith	2023
	Sydney Grammar School	Energy audit	2023
	Barnardos Australia	Energy audit	2023
	Carrathool Shire Council	Energy Audit and Energy Action Plan	2023
	Griffith City Council	Energy Audit and Energy Action Plan	2023
	Bellingen Shire Council	Energy audit and energy efficiency advice for corporate and community sites and facilities	2022
	Federation Council	Energy audit - Corowa Aquatic Centre	2022
	Taronga Zoo	Energy audits of Taronga and Western Plains zoos sites	2021/22
	VIC Government The Department of Jobs, Precincts & Regions (DJPR)	Agriculture Energy Investment Plan's panel of assessors to conduct on-farm Type 1 and/or Type 2 energy assessments – a total of 29 farms	2021
	Macquarie Agricultural Funds Management Pty. Limited	Agriculture Energy Investment Program Type 2 Energy Assessment	2021
	Ingham's Group Limited	Energy Audit - Lisarow Further Processing Plant	2021
	Northern Beaches Council	Energy audits and plan for 23 of Council's largest energy-consuming facilities	2017/18
	Waverley Council	Facilities Energy & Water Savings Action plan	2016/17
	ACT Government	Expert technical and financial evaluation of greater than \$10m energy efficiency, renewable energy and EV projects	2011-19
	NSW OEHD/DPIE	Energy Saver Program audits for: Greencorp Magnetics, Allied Timber, Falcones Bakery, Leichhardt Aquatic Centre	2012-16



THE PROBLEM



Rising energy prices



Stakeholder pressure to act on climate change



Underutilised roof and land space



Ad-hoc approach to solar, battery storage, EV charging



No central monitoring and no solar maintenance regime



Multiple brands of panels and inverters, no monitoring



FEASIBILITY AND PRIORITISATION

- › Assessment of solar/battery/EV charging
- › Site inspection (roof, land, electrical systems)
- › Billing and load profile analysis, Nearmap, Helioscope, HomerPro modelling
- › Cost benefit analysis and prioritisation

WHAT YOU RECEIVE

- ✓ Correctly sized solar/battery/EV charging systems
- ✓ Highest return on investment
- ✓ Optimised design with tier-1 equipment
- ✓ Prioritised implementation plan

1-1.5 MONTHS



SPECIFICATION AND EVALUATION

- › Best practice technical specification for your solar/battery/EV charging
- › Develop evaluation criteria and framework
- › Score and rank responses

WHAT YOU RECEIVE

- ✓ High-quality responses from the market
- ✓ Rigorous evaluation to select best value for money
- ✓ Framework for future evaluation
- ✓ Summary report for ELT approval

2 MONTHS



IMPLEMENTATION AND PERFORMANCE SERVICES

- › Check installation progress, compare to specs
- › Solar/battery/EV charging O&M advice & plan
- › Review final installation
- › Solar HealthCheck
- › Performance monitoring

WHAT YOU RECEIVE

- ✓ Ensure best-practice installation
- ✓ Sustain your return on investment over the long term
- ✓ Peace of mind that your systems are operating safely
- ✓ Optimised management of your solar/battery/EV charging

ONGOING

THE PAYOFF



Significant energy savings



High return on investment



Visible climate action commitment



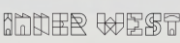
High performing solar assets



Clear and transparent reporting



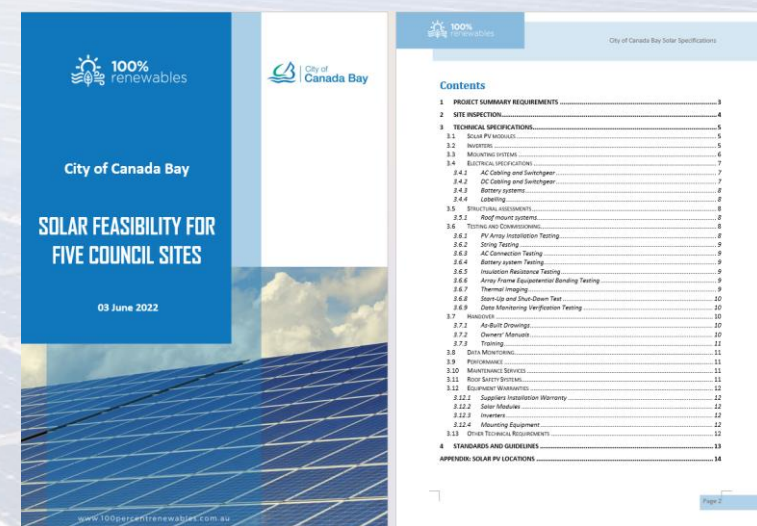
Well maintained and safe system

	Client name	Project type	Year
	NSW TAFE/RPS	PV Engineering Consultancy Services - Ultimo Building G - Façade Design Documentation	2022
	Transport for NSW	Solar feasibility and detailed cost benefit analysis for depots at Narrandera, Dubbo and Bega	2022
	City of Canada Bay	Solar feasibility, design and assurance for council sites	2022
	Sunshine Coast Council	Renewable Energy Plan Solar Potential	2022
	NSW Dept of Planning Industry and Environment (DPIE)	Solar PV Feasibility – Expanded Solar Target Program	2020/21/22
	North Sydney Council	Performance audit - Solar for Rentals Program	2022
	Clarence Valley Council	Preliminary investigation of mid-scale solar	2021
	Inner West Council	Desktop assessment of 35 buildings Business precinct solar PV options	2021
	Lane Cove Council	Solar feasibility program for business	2020/21
	Canterbury-Bankstown Council	Review of Solar Farm Contract Specifications	2020
	Richmond Valley Shire Council	Solar feasibility assessment	2019/20
	Nambucca Valley Council	Pool heating technology assessment Solar specification and tender assessment	2018/19
	Liverpool Plains Council	Solar carport assessment	2018/19
	Blue Mountains City Council	Solar feasibility study	2018/19
	Shoalhaven City Council	Offsite renewable energy	2018
	Eurobodalla Shire Council	Comparison of EPC, PPA and PPP options for a regional solar farm	2018
	Northern Beaches Council	Solar PV Feasibility Study, Battery Storage and Solar HealthCheck	2016-18

Sample solar feasibility report



Sample solar specification (ToC)



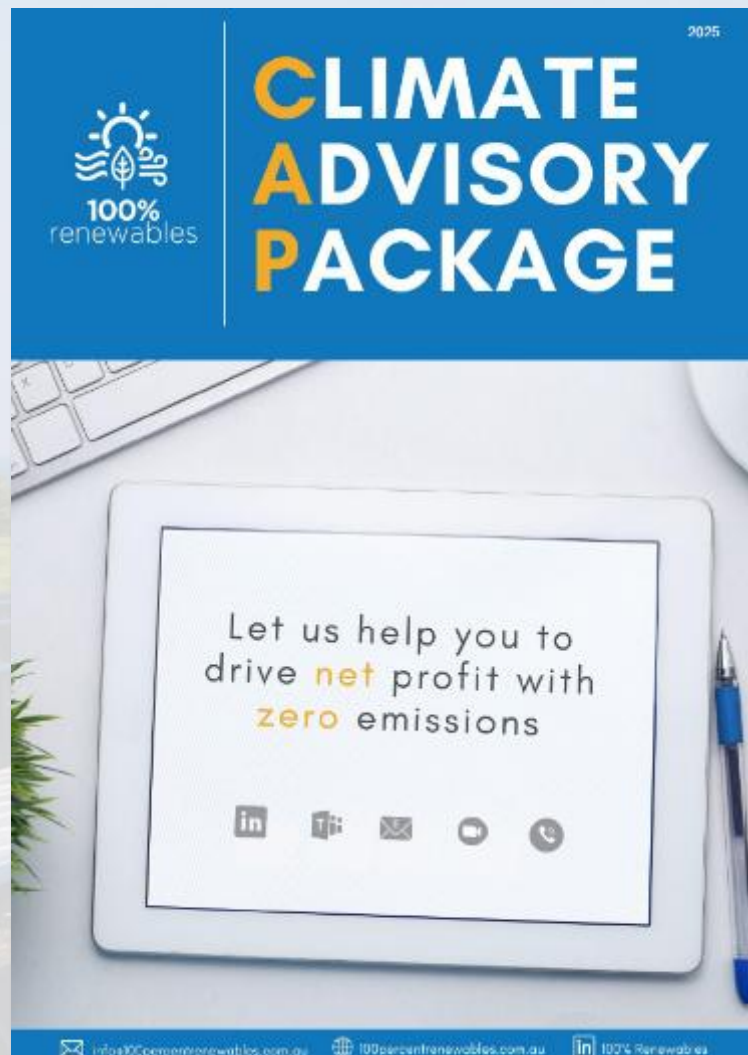
The figure shows the cover and table of contents for a 'SOLAR FEASIBILITY FOR FIVE COUNCIL SITES' report dated 03 June 2022. The cover features the 100% renewables logo and the City of Canada Bay logo. The table of contents lists the following sections:

- 1. PROJECT SUMMARY REQUIREMENTS
- 2. SITE INSPECTION
- 3. TECHNICAL SPECIFICATIONS
 - 3.1. Solar PV systems
 - 3.2. Inverters
 - 3.3. Mounting systems
 - 3.4. ELECTRICAL SPECIFICATIONS
 - 3.4.1. AC Cabling and Switchgear
 - 3.4.2. DC Cabling and Switchgear
 - 3.4.3. Battery systems
 - 3.4.4. Labelling
 - 3.5. Structures and components
 - 3.5.1. Roof mount systems
 - 3.5.2. Thermal and Condensation
 - 3.5.3. PV Array Installation Testing
 - 3.5.4. String Testing
 - 3.5.5. AC Connection Testing
 - 3.5.6. Battery system Testing
 - 3.5.7. Insulation Resistance Testing
 - 3.5.8. Array Frame Environmental Binding Testing
 - 3.5.9. Thermal Imaging
 - 3.5.10. Stand-up and Shut-Down Test
 - 3.5.11. Data Monitoring Verification Testing
 - 3.7. Handover
 - 3.7.1. As-Built Drawings
 - 3.7.2. Owner's Manuals
 - 3.7.3. Training
 - 3.8. Data Monitoring
 - 3.9. Performance
 - 3.10. Maintenance Services
 - 3.11. Risk Assessment
 - 3.12. Equipment Warranties
 - 3.12.1. Supplier's Installation Warranty
 - 3.12.2. Solar Modules
 - 3.12.3. Inverters
 - 3.12.4. Mounting Equipment
 - 3.13. Other Technical Requirements
 - 4. STANDARDS AND GUIDELINES
 - APPENDIX: SOLAR PV LOCATIONS

EXAMPLES OF OUR FINANCING OPTIONS AND REVOLVING ENERGY FUNDS EXPERIENCE

Client name	Project type	Year
 PORT STEPHENS COUNCIL	Revolving Energy Fund (REF) Provision of advice regarding implementation of a revolving energy fund (REF), including modelling of potential future scenarios as well as determination of cashflow arising from historical PV projects.	2023
 NSW Department of Planning, Industry & Environment	Revolving Energy Fund (REF) 100% Renewables was tasked by DPIE to develop an Excel-based finance modelling tool, an implementation guide and a pitch deck to senior management, to help councils with implementing a Revolving Energy Fund. Barbara Albert also presented at a council webinar in Nov on implementing the newly developed finance modelling tool.	2020
 NAMBUCCA VALLEY COUNCIL	Financing strategy for renewable energy plan Development of a financing guide for RE/EE programs, analysis and short-listing options for Council, analysis of shortlisted options against Council's RE plan, selection of best-fit financing strategies to maximise returns and expedite implementation of Council's plan.	2018/19
 northern beaches council	Financing options for clean energy 100% Renewables worked with NBC to identify and analyse options for financing their clean energy projects. Options were developed via workshops with Council staff and a proposed financing guide developed based on the outcomes. A final Financing options guide was delivered via webinar to multiple councils participating in OEH/DPIE's Sustainability Advantage program	2018





“Climate Advisory Package” (CAP) will give you access to net zero experts who are readily available and able to provide support on an as-needs basis to respond to a range of support needs or queries.

What are we trying to achieve with Climate Advisory Package?

- Support you with your emissions reduction and net zero needs
- Provide – on average – a few hours of support and advice each month
- Simplify your procurement by providing a low-cost service that can be renewed once you have used your full allocation or full subscription.



Planning,
Industry &
Environment

City of
Bayswater



SUMMIT
Fleet Leasing and Management



SCENIC RIM
REGIONAL COUNCIL



 **Sunshine Coast**
COUNCIL



Blacktown
City Council





MEET OUR DELIVERY TEAM



BARBARA ALBERT

Co-CEO

ESCALATION, ENGAGEMENT
DESIGN INPUT



PATRICK DENVIR

Co-CEO

STRATEGIC INPUT, SUBJECT MATTER
EXPERTISE, QUALITY ASSURANCE



IAN SWAIN

*Principal Consultant/
Senior Manager*

PROJECT MANAGER, CLIENT AND
STAFF ENGAGEMENT



**SIGGY (SIEGLINDE)
LENDERING**

Project Manager



DARYL CIELO

*Energy and Carbon
Consultant*



JADE GONZALES

*Energy and Carbon
Consultant*



THERESA BANTA

*Energy and Carbon
Consultant*



MARK GULA

*Energy and Carbon
Consultant*



MONN BALDEO

*Energy and Carbon
Consultant*



PAULA OLAGUER

*Energy and Carbon Data
Analyst*



RAV LLAVE

*Energy and Carbon Data
Analyst*



STAR DORADO

*Executive Assistant
To the Co-CEOs*



HIELA GRACE TAMBA

*Marketing and Design
Coordinator*



Qualifications/expertise
M.A. Commerce
Carbon expert
Author and podcaster
26 years experience



BARBARA ALBERT
Co-CEO



PATRICK DENVR
Co-CEO

Qualifications/expertise
MSc Energy Utilisation
Renewable energy expert
Net zero expert
28 years experience



IAN SWAIN
*Principal Consultant/
Senior Manager*

Qualifications/ expertise

- › BA, BSc, Graduate Diploma (Resource & Env. Management), Master of Environmental Science, ANU
- › Expertise across landfill waste, sequestration modelling and fleet transition analysis
- › Policy and program design, development & evaluation
- › Project delivery & stakeholder engagement
- › Technical advice and analysis
- › Energy modelling



SIGGY LENDERING
Project Manager

Qualifications/ expertise

- › MSc Industrial Eng & Mgt., Univ. of Twente
- › MBA Exchange Program, California State Univ.
- › Certified in PMM - Project Management Methodology
- › Management consulting
- › Business process improvement
- › Business dev't & strategy
- › Project management
- › Change management
- › Stakeholder engagement
- › Data analysis



DARYL CIELO
Energy and Carbon Consultant

Qualifications/ expertise

- › MEng Engineering Studies Mechanical Engineering, Univ of Auckland
- › B.Eng. Mechanical Engineering, UP Dil
- › Energy/carbon data analysis
- › Project management
- › Building sustainability and energy efficiency
- › Engineering product development



JADE GONZALES
Energy and Carbon Consultant

Qualifications/ expertise

- › B.Eng. Mechanical Engineering, UP Diliman
- › Mechanical design engineer
- › Energy/carbon data analysis
- › Project management
- › Building sustainability and energy efficiency
- › Engineering product development



THERESA BANTA
Energy and Carbon Consultant

Qualifications/ expertise

- › MSc Energy Engineering, UP Dil
- › B.S. Chemical Engineering, UP Dil
- › Process engineering
- › Energy management
- › Energy/carbon data analysis
- › Waste characterisation and analysis
- › Resource assessment



MARK GULA
Energy and Carbon Data Consultant

Qualifications/ expertise

- › B.Eng. Mechanical Engineering, UP Diliman
- › Mechanical design
- › Energy/carbon accounting
- › Landfill emissions modelling
- › FullCAM sequestration modelling
- › Forecasting and scenario analysis



MONN BALDEO
Energy and Carbon Consultant

Qualifications/ expertise

- › B.Eng. Mechanical Engineering, UP Diliman
- › Energy/carbon data analysis
- › Power plant engineering
- › Research and data collection
- › Sustainability strategy development
- › Enterprise Risk Management



PAULA OLAGUER
Energy and Carbon Analyst

Qualifications/ expertise

- › MSc Environmental Systems Engineering, Water Systems, UniMelb
- › B.S. Materials Engineering, UP Dil
- › Energy/carbon data analysis
- › Sustainability and decarbonisation strategies
- › Environmental modelling



RAV LLAVE
Energy and Carbon Analyst

Qualifications/ expertise

- › B.Eng. Chemical Engineering, Mapua
- › Energy/carbon data analysis
- › Sustainability and decarbonisation strategies
- › Environmental modelling
- › Data management (SQL, Python, Power BI, Tableau, Excel)



STAR DORADO
Executive Assistant to the Co-CEOs

Qualifications/ expertise

- › B. Clothing Technology, UP Diliman, Cum Laude
- › Research
- › Marketing
- › Sales and Administration
- › Brand management
- › Executive assistant



HIELA GRACE TAMBA
Marketing and Design Coordinator

Qualifications/ expertise

- › BA. Communication, UP Baguio
- › Marketing
- › Social Media Management
- › Graphics Design
- › Sales and Administration

THANK YOU

We are looking forward to hearing back from you



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