



e-Calc

know the payback

Track and report on energy and
environmental initiatives with confidence

e-Calc™ brought to you by:

CarbonEES®
TOWARDS ZERO

Know the payback of energy, water and waste initiatives

e-Calc™ lets you oversee and compare the return on investment from different energy and environmental projects to make consistent, confident decisions.

See the financial impact of changes in energy and environmental management.

Minimise costs and maximise the returns from programmes.

Know which energy and environmental decisions provide the best value.

This innovative new cloud-based software enables you to demonstrate the impact and ongoing savings from your current programmes and the financial cost of not implementing changes.

Accurately REPORT and FORECAST to make compelling business cases for new initiatives

e-Calc™ provides a robust, standard format for business cases from different functional areas and for different project types, letting you report on success with confidence and build compelling financials to influence budget decisions.

Demonstrate the value sustainability delivers in \$, CO₂e and kWh

Savings or avoided costs can be reported in dollars, GHG emissions and kilowatt hours, meaning you can show others the value your energy or environmental projects deliver in their language.



Easily integrate sustainability into corporate reporting

With accountability for sustainability becoming increasingly important to company boards, executives and management, the value of an effective system for tracking, monitoring and reporting on sustainability cannot be underestimated.

e-Calc™ helps you demonstrate the value and need for a sustainability programme and provides the structure for corporate social responsibility reporting, providing greenhouse gas emission reporting in accordance with ISO 14064 and energy management reporting in accordance with ISO 50001.

e-Calc
know the payback

Track sustainability across the board

e-Calc™ lets you measure and report on the impact of sustainability initiatives and actions across a wide range of categories, including:



Fleet management



Video, teleconferencing and travel



Life cycle procurement



On-site power generation



Supply chain management



IT energy management

Banish excel spreadsheets

Each category has a set of calculations that automatically quantify the financial benefit from associated projects and actions, giving you a cost benefit analysis you can trust.

The screenshot shows the e-Calc software interface for 'Model Hospital'. It displays a table of sustainability categories with columns for 'This Year', 'Last Year', and 'Previous Years'. Each category has a 'Create Project' button. The categories listed are:

Category	This Year	Last Year	Previous Years
Opportunity Savings/Avoidance	\$293.70	\$1,604.38	
Financial Recovery	\$0.00	\$0.00	
Prompt Payment Discounts	\$94.11	\$3,128.61	
Targeting & Monitoring Management	\$0.00	\$2,315.87	
Tariff Optimisation	\$259.28	\$1,184.19	
Power Factor Optimisation	\$0.00	\$0.00	
Peak KVA Reduction	(\$110.14)	(\$601.64)	
Transformer Capacity Reservation	\$781.85	\$3,736.79	
Demand Response Measures (DRM)	\$0.00	\$0.00	
On Site Generation	(\$140.72)	(\$221.94)	
Continuous Commissioning & Maintenance Management	\$0.00	\$0.00	
IT Energy Management Strategy	(\$6,945.73)	(\$6,388.62)	
Video, Teleconferencing & Travel	\$0.00	\$1,761.00	
Fleet Management	(\$277.78)	(\$2,081.11)	
Behavioural Change	(\$9,166.66)	(\$73,709.40)	
Improved Working Condition	(\$8,882.55)	(\$21,772.58)	
Supply Chain Management	\$0.00	\$0.00	
Life Cycle Procurement	\$7,776.97	\$19,152.90	
Project Savings	\$498.04	\$1,857.82	
Increased Property Value	\$89.49	\$1,132.01	
Reduced or Reused Secondary Resource	\$0.00	\$0.00	
Reputational Benefits	\$0.00	\$0.00	

Built on expertise and innovation

e-Calc™ is built on a unique benefits protocol based on the world-leading International Performance Measurement and Verification Protocol (IPMVP®) and verifiable logic.

The benefits protocol lets us standardise the benefits resulting from energy, utility and sustainability management projects and improvements, which are then assessed quantified and reported on through e-Calc™.

Developed by Carbon EES, one of New Zealand's leading providers of energy, utility and GHG emissions management services and the market leader in energy management software, e-Calc™ offers the credibility and accuracy Carbon EES clients like Massey University, the New Zealand Defence Force and Auckland Council rely on.

e-Calc™ was awarded a Commendation in the Ricoh Mega Efficiency Innovation Category at the 2016 NZI Sustainable Business Network Awards.

e-Calc™ can be integrated with Carbon EES's market-leading e-Bench™ management software or used stand-alone.

 **Bench**
realising efficiency

Is e-Calc® for you?

If you're involved in making decisions about energy, water or waste efficiency in your organisation, e-Calc™ will let you know the payback you can expect and track the financial impact over time. e-Calc™ is perfect for:

- Facilities Managers
- Sustainability Managers
- Procurement Managers
- Energy Managers
- Chief Financial Operators
- Chief Executives

Find out more

To find out how e-Bench® can help your business reduce your energy use and CO₂e emissions, contact the Carbon EES team on:

04 384 6121
ebench@carbonees.com
www.carbonees.com