

RR: **Regional roundup**

Team building at Waitakere City Council
Brent Bielby

The Cleaner Production team at Waitakere City Council now have an additional staff member. Kelly Taylor, has recently joined the team, and will be taking over the coordination of the Boat Building and Hazardous Substances projects, as well as providing general cleaner production assistance to Waitakere businesses.

Boat Building Guide Launched in Waitakere City

Kelly Taylor
Cleaner Production Co-ordinator for Waitakere City Council

Safer workplaces and healthier environments for the boat building industry is being promoted with the release of a new national guide partly developed in Waitakere City.

Representatives from local boat building companies, Waitakere City Council, Occupational Safety and Health Service, Accident Compensation Corporation, Marine Industry Association, NZ Engineering, Printing and Manufacturing Union and the Auckland Regional Council launched the new 'Health, Safety and Environment Guide for the Boat Building Industry' at the Lincoln Green on the 18th of November.



From left: Kevin Honeybun (ACC), Michelle Dawson (WCC), Darrin Goulding (ACC), Ineke Rensen (ACC), Rudiger Hoffmann (Hoffmann Engineering), Caroline Girling (ARC), Kelly Taylor (WCC).

Waitakere City Council initiated the cleaner production project with the Boat building industry in 1999 to promote safer workplaces and healthier environments. Collaboration with project partners such as ACC and OSH has allowed health, safety and environmental issues to be addressed in an integrated way.

The project with the boat building industry is now in its fourth year and is showing its success with the participation of seven Waitakere City and eight Auckland

region boat builders participating in bi-monthly Boat Building Work Groups to discuss and work through their industry's issues. Organisations trying to work with the boat building industry to improve health, safety and environment practices meet through a bi-monthly Boat Building Information Group. Both groups worked together to develop the guide launched to their industry. It is now intended to encourage satellite working groups to be set up throughout the country in areas where there are clusters of Boat building companies.

For more information contact Kelly Taylor, Cleaner Production at Waitakere City Council on 839 0400.

Advisory Group representatives

The Advisory Group's role is to have input into and give feedback on the strategic direction and services provided by BusinessCare, representing the views of all relevant stakeholders, including local coordinators. Please feel free to contact one of the regional Advisory Group representatives if you have any comments, questions or suggestions. They are:

[Kevin Crutchley](#) ph: 09-486 8400 Northland/Auckland

[Nikola King](#) ph: 06-8731847 Hawke's Bay

[Paula Inglis](#) ph:07-5524559 Bay of Plenty

[Francie Pedersen](#) ph: 04-3845708 Wellington

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[Blue Forsyth](#) ph: 03-6848199 Canterbury/Southland

[Cathy Webb](#) ph: 03-3791660 Canterbury

[Gretchen Johnston](#) ph: 03-2156197 Southland

WWW **On the website ...**

Presentations from the WasteMINZ workshops are now available in the bookshelf>articles section of the website www.businesscare.org.nz

RR: **Recommended reading**

Roger von Oech, 1998. [Whack on the side of the head.](#) Whether you're looking for ideas for a workshop or meeting with your local companies or trying to come up with a creative alternative to an existing inefficient process, this book is a must! Roger von Oech describes 10 'mental locks' that stop us from coming up with innovative ideas and solutions, and how to break through them.

☞ *What other topics would you find helpful? Email us at enquiries@businesscare.org.nz , or call Carole Inglis on 09 - 486 6721*

Energy Use: what to look for and how to measure

Energy is an area where your companies have the potential to save up to 30%! So how do you know what to look for and how to measure it? The following extract gives some food for thought when looking for energy savings.

Start with the basics:

- turn off lights, heaters, air conditioners and other equipment when not in use
- don't use things when they are not needed – such as lights by windows
- use insulation and ventilation instead of heating and cooling
- install energy efficient lighting and other equipment
- maintain equipment to optimum efficiency
- post signs and educate your staff

You will be surprised at how much money these simple steps will save.

Measuring energy use

1. Ask your electricity supplier to provide energy data on a regular basis and how much detail they can give you above your energy use (some companies will give you charts of energy consumption at 30 minute intervals)?
2. Install submain check meters to measure energy consumption in key activity or process areas?
3. Monitor energy use in each process or area to identify opportunities for savings, to quantify reductions and calculate your energy and cost savings? Your energy supplier will be able to give you a lot of helpful advice.
4. Investigate any unexplained increases in energy consumption?

Common examples of energy waste include:

- motive power used unnecessarily (pumping, conveying, mixing)
- inefficient motors
- compressed air leaks
- unnecessary lighting
- waste process heat – un-lagged pipes, cooling towers
- waste space heat – silent hours running

Electrical motors, appliances and lighting are all rated in watts (W) or kilowatts (kW). Electrical energy use is based on kilowatt hours kWh, while network company demand charges are based on kVA.

Energy inputs can be measured from:

- meters

- invoices

Energy outputs can be measured from:

- flow rates
- temperature
- time

Energy outputs can be measured by:

- thermometer
- flow meter or power meter
- clock

Calculating the cost of electrical energy:

For a motor:

- a 10 kW motor runs for 10 hours per day: electricity costs 12c/kWh
- 10 kW x 10 hrs = 100kWh @ 12c/kWh = \$12.00

For lighting:

- forty 150W lights burn for 10 hours per day
- 40 x 150W = 6,000W, or 6kW
- 6 kW x 10 hrs = 60kWh @ 12c/kWh costs \$7.20

Use existing data

Power companies can provide ½ hourly information and 24 hour, monthly and annual profiles. Scrutinise this information to look for demand peaks and unnecessary base loads (for example, why is the company drawing power on a Sunday when no shift is rostered on?).

A company's relationship with the energy utility is important to help it:

- negotiate utility tariffs
- understand its patterns of consumption and demand in relation to pricing

This information has been adapted from Toolbox 9 of the Toolkit for Change. For the full Tipsheet visit the Tips for Beginners section of the [website](#)

EECA also has a wealth of information on its website, including how your companies can participate in their Energy Management Programme. For more information visit <http://www.emprove.org.nz/>

Your comments ...

🗨 Do you have favourite tips of your own? [Email us](#) to pass them on and we will add them to this tip sheet – with full acknowledgement - before we put it on our website