

AMCOR

How does Amcor Botany Mill continue to achieve Energy Savings?

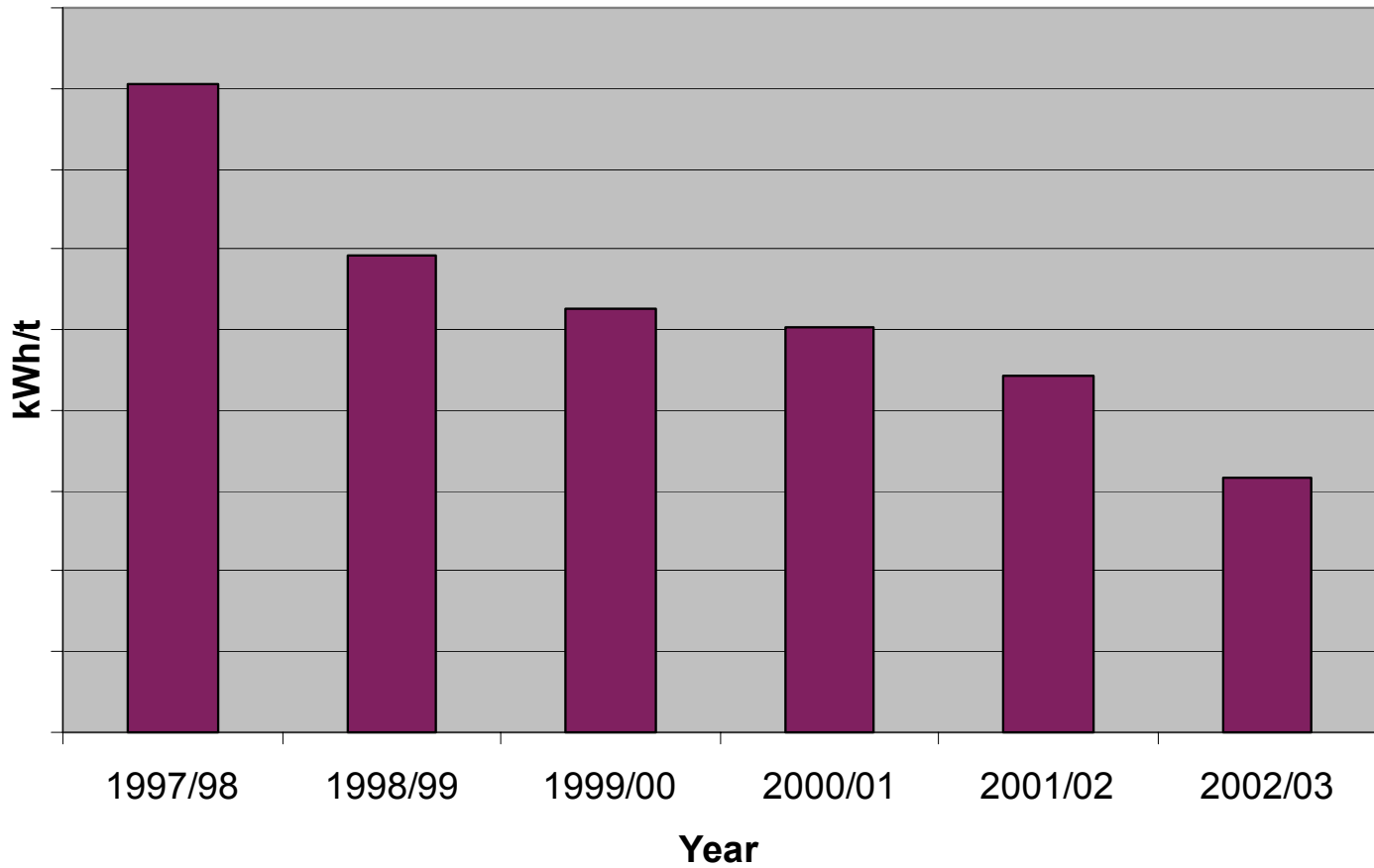
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Energy Manager

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What do we do?

- Largest Paper Recycling Mill in Australia
- Produce over 260,000 tonnes of paper per annum
- Use 1,900 TJ of natural gas per year
- \$9 million per annum
- Use 130 GWh of electricity per year
- \$6 million per annum
- Represents approximately 15% of operating expense

What have we done?



Who has helped us?

- Corporate Energy Policy
- National Energy Manager
- State and National based approach
- NSW SEDA Energy Smart Business Partner
- Member Greenhouse Challenge
- Participated in Big Energy Project (BEP), ITR
- Energy Consultants (on the ground)

Why isn't it so easy?

- We are a manufacturing organisation
- We specialise in making paper
- Making recycled paper is not an exact science and things are never always right
- We have very talented people, however most of the time, their priority is on making paper
- Like most manufacturing industry, we have been restructured and run a very lean organisation

What about the Energy Manager?

- Responsible for:
 - Line Management
 - 7 operators
 - Ageing boiler and ancillary equipment
 - Safety systems
 - Major mill maintenance planning
 - Major upgrade of boiler water treatment system
 - Project management
 - and
 - Energy Efficiency

What did the BEP do?

- It was a large commitment for Amcor
- Refocussed our energy reduction efforts at all levels of the site from GM to operators
- Provided feasible opportunities with solutions and preliminary financial analysis
- Provided a forward plan for our energy reduction efforts
- Introduced us to 'compatible' energy consultants

What was the outcome?

- Identified over \$1.2m per annum of potential energy savings
- Reassessed previous investigations from an efficiency, supply and reliability perspective
 - eg. co-generation
- Supported an energy consultant to ensure the process was sustainable

What was the result?

- Since the BEP we have:
 - Appointed an Energy Manager
 - Spent over \$250k on energy reduction
 - Saved over 4% or 75 TJ or \$400k per annum in natural gas
 - Plans to reduce consumption by another 3% by September
 - Retained an energy consultant
 - Continued to make forward progress

What was the key learning?

- By combining key internal personnel with external specialists, ideas, feasibility, project development and completion can be fast tracked to produce sustainable, economically viable and effective results

Thank you