



**SETTING THE CONTEXT
FOR
ALTERNATIVE WASTE TECHNOLOGIES**

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WRIGHT CORPORATE STRATEGY PTY LTD

Focused Innovation

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Are you going to the technology fair?

Compost, energy, bio-reactor or worms

Do you know what you really want?

Will you end up confused & dismayed?



NSW Waste Management Conference & Expo – June 2003

Setting the Context for Alternative Waste Technologies



- **There is growing pressure and demand for higher levels of resource recovery**
- **Alternative waste technologies do not present an instant fix in isolation**
- **It is essential to have a vision for the community and a framework for the systems**



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STRATEGIC DIRECTION

The vision for the future is captured in your *Strategic Direction* which will:

- provide greater clarity in the questions asked of the market
- establish a clear rationale for evaluating proposals received
- clarify the logistics for moving wastes and resources
- set in place the foundations for the commercial relationships with contractors





TWO DIMENSIONS FOR OPTIONS

- ***At-Source Recovery*** – waste generators spend increasing effort and cost to separate out wastes and recoverable resources at the source of waste arising
- ***At-Plant Recovery*** – waste managers spend increasing effort and cost to separate out wastes and recoverable resources at waste plants and disposal facilities





OPTIONS FOR AT-SOURCE RECOVERY

- Residual waste collection
- Domestic dry recyclables collection
- Drop-off recovered products
- Domestic garden waste collection or drop-off
- C&D waste streaming
- Business dry recyclables collection
- Business organic waste collection
- Domestic food waste collection





OPTIONS FOR AT-PLANT RECOVERY

- **Conventional landfill disposal**
- **Engineered landfill disposal with gas recovery**
- **MRF processing of recyclables**
- **Recovery and re-use of discarded products**
- **Garden waste shred and mulch**
- **C&D waste processing**
- **Streamed waste processing**
- **Mixed residual waste processing**





CHOOSING THE OPTIONS

- ***Choices in At-Source Recovery*** – form the basis of the vision that the community wants to attain
- ***Choices in At-Plant Recovery*** – will be largely determined by the choices in At-Source recovery





INVESTIGATING THE OPTIONS

- **The level of resource recovery to beneficial products**
- **The environmental impacts**
- **The net financial cost**
- **The extent of community commitment required**
- **The associated risks to Council and the community**





SO NOW WE CAN GO TO MARKET

The secret in engaging the market lies in the *Strategic Direction* you determine, which in-turn:

- provides greater clarity in the questions asked of the market,
- establishes a clear rationale for evaluating proposals received,
- clarifies the logistics for moving wastes and resources, and
- sets in place the foundations for the commercial relationships with contractors.

