

EPA's Role in Project Funding and Management under the National Packaging Covenant

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Brisbane, 7 September 2006



Contents of Presentation

- Government responsibilities under the Covenant
- Role of the Queensland Jurisdictional Projects Group
- Current Qld Projects
- Townsville / Thuringowa Case Study

Government responsibilities under the Covenant

- Action Plan
- Annual Report
- Purchasing policies for recycled content goods
- Develop and implement NEPM legislation
- Match industry funding
- Establish and administer Jurisdictional Projects Group

Responsibilities of the JPG

- Foster and develop project proposals
- Manage programs and projects
- Participate in national programs
- Report progress and outcomes of programs and projects
- Provide advice to NPG
- Promote the Covenant

2006 Queensland Projects

- Used Glass Sourcing Study
- Major Shopping Centre Recycling trials
- PPR in Toowoomba parks
- An analysis of the business case for PPR systems (now a national project)
- CQLGA integrated waste management proposal
- Public Event Recycling infrastructure
- Warraber Island demonstration project
- Mobile bailer pilot project – Nth Burnett Councils

Townsville Case Study

2002

- Townsville – dedicated comingled 240 L recycling bin collected and reprocessed by contractor, waste collected by day labour
- Thuringowa – split waste / recycling 240 L bin collected and recycle processed by contractor

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Townsville Case Study

- Recycling yields in 2000/2001 were 20 kgs/capita/yr at up to 40% contamination

- Possible reasons for poor yield:
 - a) No requirements to recycle in collection and processing contract which was nearing expiry
 - b) No landfill gate fee
 - c) Previous MRF that required considerable upgrading

North Qld recycling infrastructure feasibility study

- Nolan ITU undertook study in January 2002
- Recycling in North Qld was feasible provided:
 - regional material recovery facilities were installed,
 - Model contracts to be developed
- Net environmental benefit of \$17 for each tonne of material recycled
- Community wanted recycling so Council agreed even though at the time economically recycling couldn't be justified

New recycling system - Townsville

- Townsville CC and Thuringowa CC joined forces in waste management / recycling services
- Separate tenders advertised in mid 2002 for collection and reprocessing of recyclate in a new materials recovery facility using a model contract 2003
- Collection of waste and recycling to be undertaken by day labour from Townsville City Waste
- Collection of waste – 240 L bin weekly
- Collection of recyclate – 240 L commingled bin fortnightly

New Recycling System – Townsville (cont.)

- Cost saving using day labour - \$250K per year
- Cost per household per annum - \$24
- Current recycling yields – average 5.7 kg/h/wk
range 5 – 6.5 kg/h/wk
- Integrated recycling system through Public Place Recycling
 - CBD, Flinders Street East and West
 - Strand
 - Dairyfarmers stadium

New Recycling System – Townsville (cont.)

- Awarded \$340K in total for kerbside system & \$25K for PPR infrastructure
- Ongoing Waste and Litter Education Action Plan being implemented
- MRF established as a regional facility



Don't Waste Townsville

Please Recycle



PLEASE RECYCLE
REDUCE REUSE RECYCLE

CITYWASTE





**DON'T WASTE
TOWNSVILLE**

CANS

CARTONS



GLASS

PLASTIC
BOTTLES





Outcomes

- Trebled recycling yields over the last 12 months to outstanding yields for a regional city in Queensland, if not Australia
- Acceptable contamination levels
- Contract that requires reprocessing of recyclate
- As at January 2003, in terms of technology the Visy MRF in Townsville was equal to any other in Australia

Outcomes (cont.)

- Gate fee now exists on landfill
- Very cost effective collection service by day labour
- Sustainable kerbside recycling can only be effective with community support

Further information:

- National Packaging Covenant:
<http://www.deh.gov.au/settlements/waste/covenant/index.html>
- EPA:
<http://www.epa.qld.gov.au>
- Peter Collins, Queensland EPA
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Acknowledgements

Mr Ian Kuhl

Co-ordinator

Citiwaste

Townsville City Council

Any Questions?

