

National Timber Product Stewardship Group – Activities & Successes

Stephen Mitchell

*Sustainability Program Manager, Timber Development Association (NSW)
Project Manager, National Timber Product Stewardship Group*

p 02 9279 2366 e: stephen.mitchell@tdansw.asn.au



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Stewardship Group
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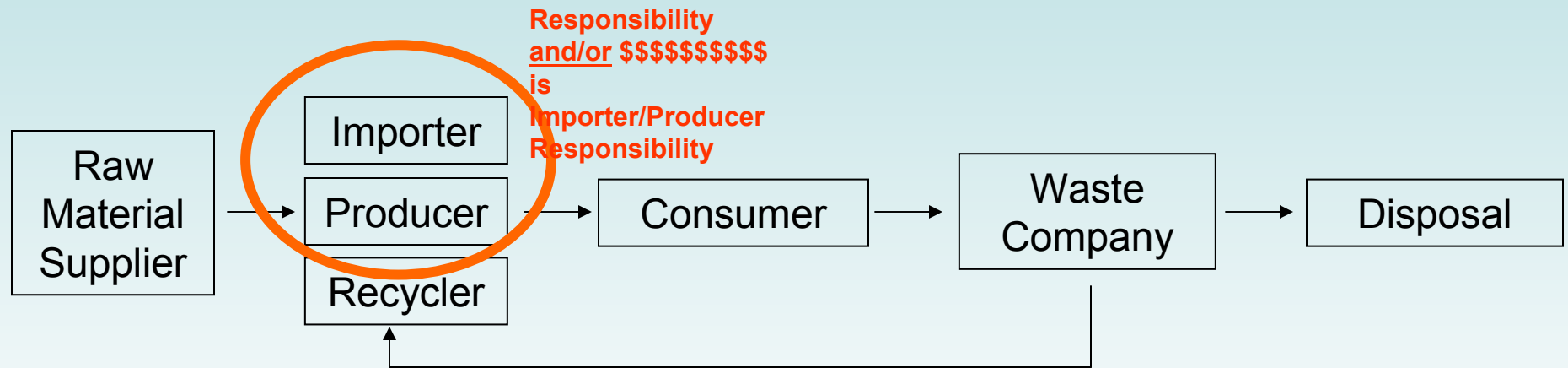
This Presentation

- What is Product Stewardship?
- The NTPSG
- Reuse and Recycling of timber and engineered wood products
- Successes of the NTPSG

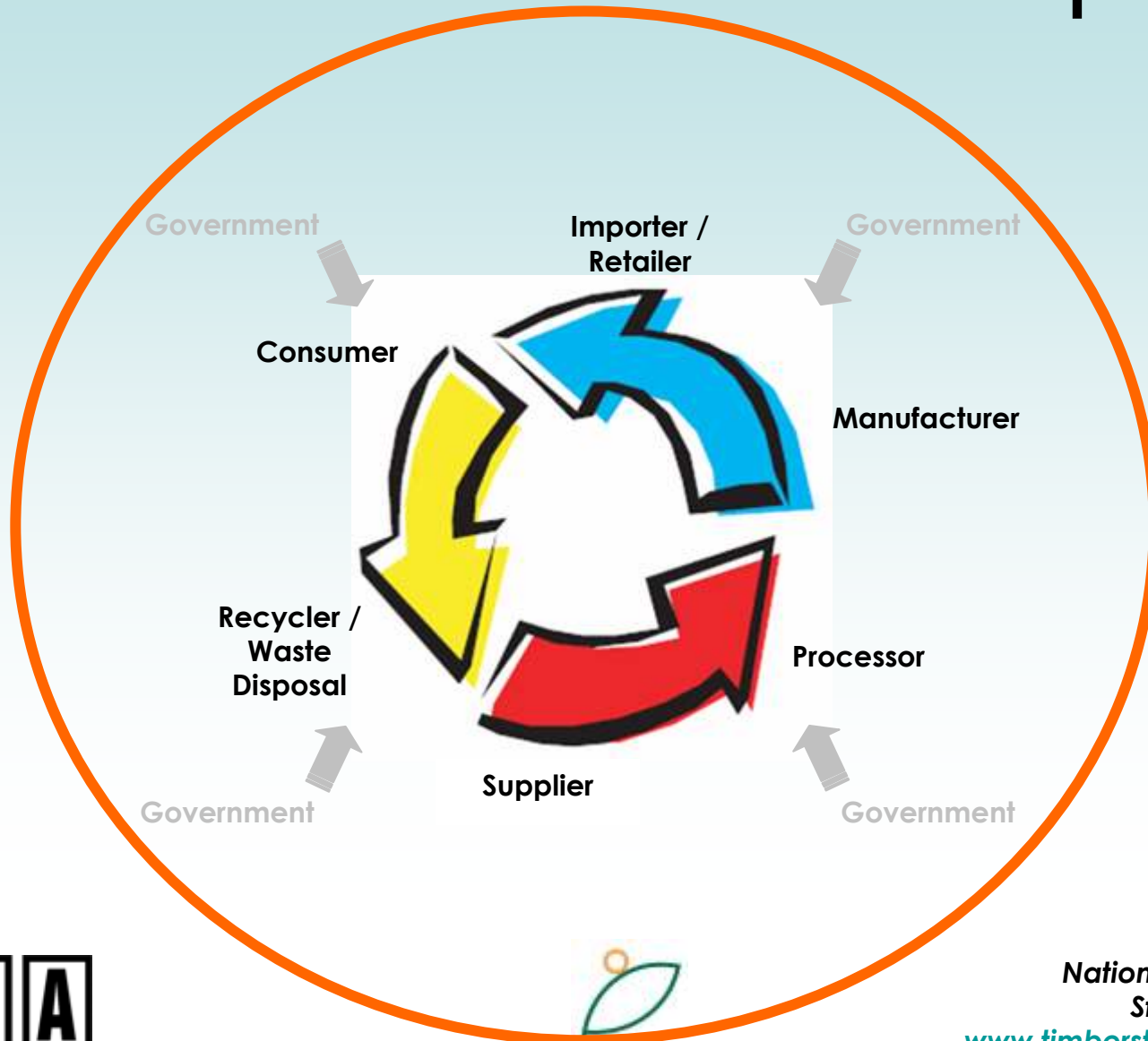
Waste Policies & Regulations



Extended Producer Responsibility (EPR)



Product Stewardship



**Responsibility and
\$\$\$\$\$\$\$\$\$ shared**

EPR and Product Stewardship - Industry Response

2004 -2005	<i>adhoc</i>
2006	Formed the NSW Treated Timber Product Stewardship Group
2007	Formed the National Timber Product Stewardship Group (NTPSG)
2007	Developed <i>Timber – More Life</i> Industry Strategy for Post-consumer Timber
2008	Implementation

The National Timber Product Stewardship Group

- Forests NSW, A3P and NAFI, EWPA
- TPAA, Arch & Osmose
- TABMA and ATIF
- TDA and TQ
- Government – NSW, QLD
- Representing greater than 80% of timber and wood products



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NTPSG - Objectives

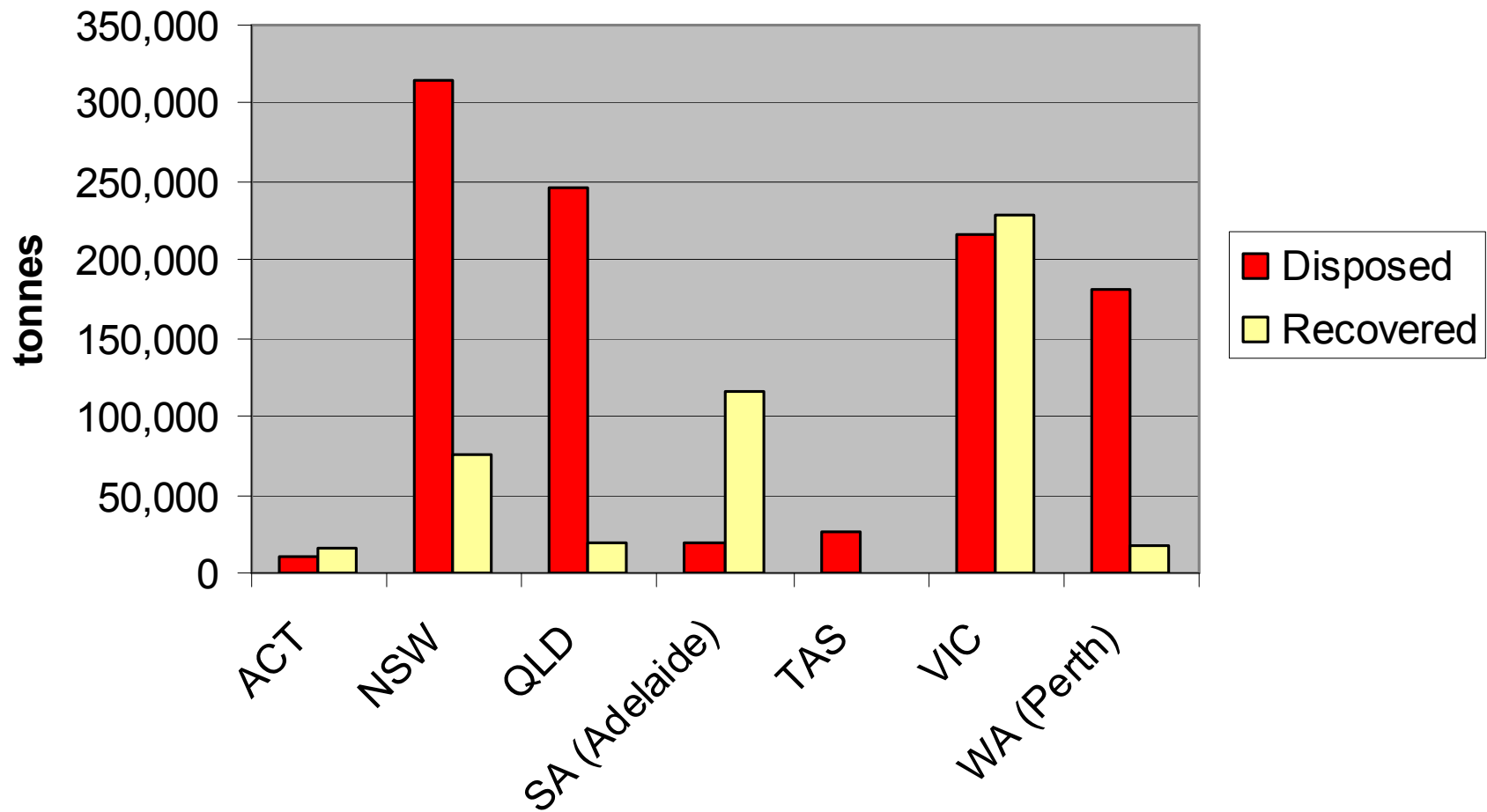
- Double reuse/recycling by 2017
- Maximise positive environmental benefits from material that cannot be reused/recycled
- Have industry's good work recognised

Timber – More Life

- Waste Streams
 - Packaging
 - Demolition
 - Preservative Treated Timber
 - Construction / Manufacturing
- Strategies
 - Market development
 - Change regulations and guidelines
 - Targeted research

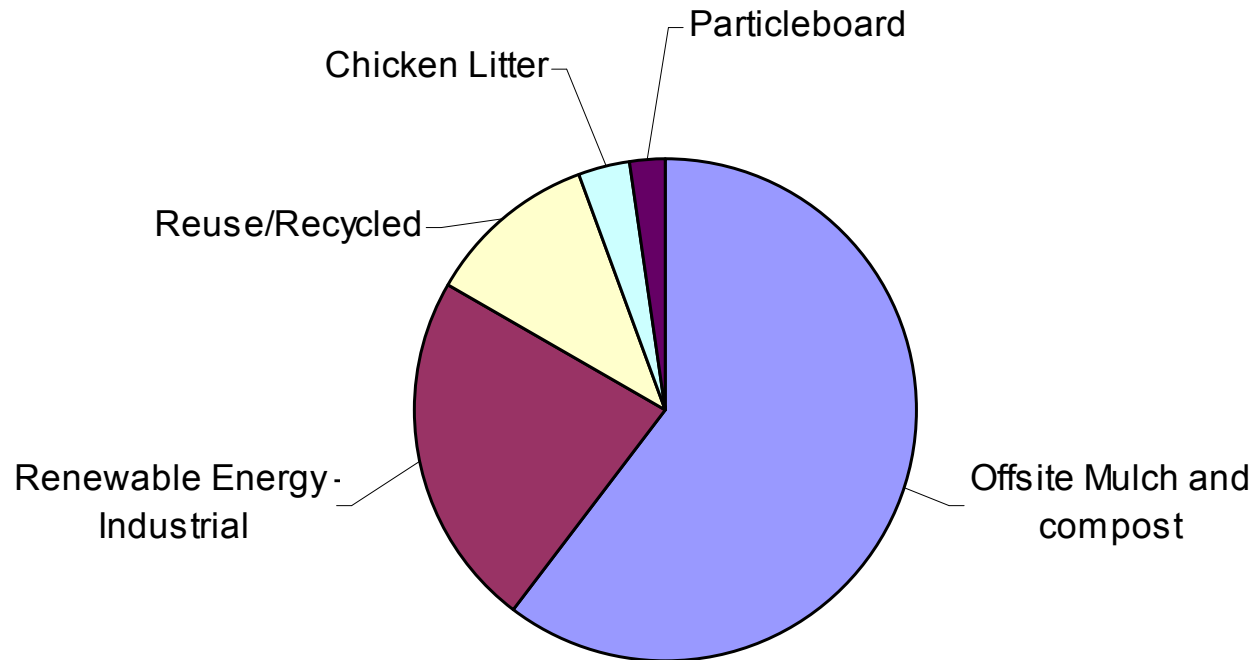
Timber – More Life

Current disposal and recovery



Timber – More Life

Current Reuse & Recycling ~500,000 tpa



Reuse / Recycled



Kennedy's Timber - QLD



Wholesale Sleeper Co - NSW



*Australian Architectural
Hardwood - NSW*




Waste Converters - VIC



CCA Vineyard Stick - SA

Wood Waste Recycling



Reduce costs and reduce landfill by recycling your wood waste.

THE laminex GROUP



Recycling – particleboard ↓



Recycling – mulch



Moss Rock - VIC



Phoenix Power Recyclers - Qld



Australian Native Landscapes - NSW



Jeffries - SA



Rainbow Mulch - WA

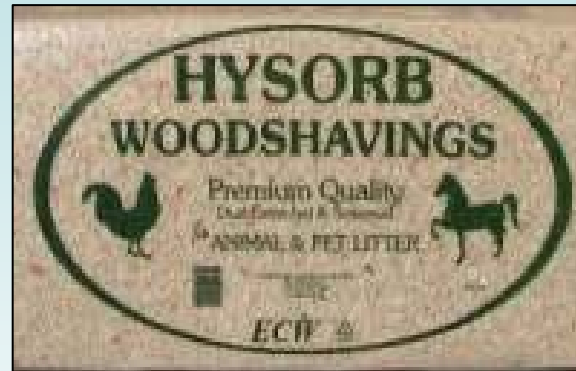


Moss Rock - Vic

Recycling – animal bedding



Pine Shavings



Renewable energy - residential



firewood
100% recycled timber

Shiver Me Timbers - VIC



National Cedar
Componentry - NSW



Vinsan Contracting - WA



ebay - VIC



Pellet Heaters Australia -
NSW



ebay - NSW

Renewable energy - industrial



Rocky Point Sugar Mill – QLD
Source: Stephen Schuck



Delta Energy / NSW Sugar Mills JV – NSW



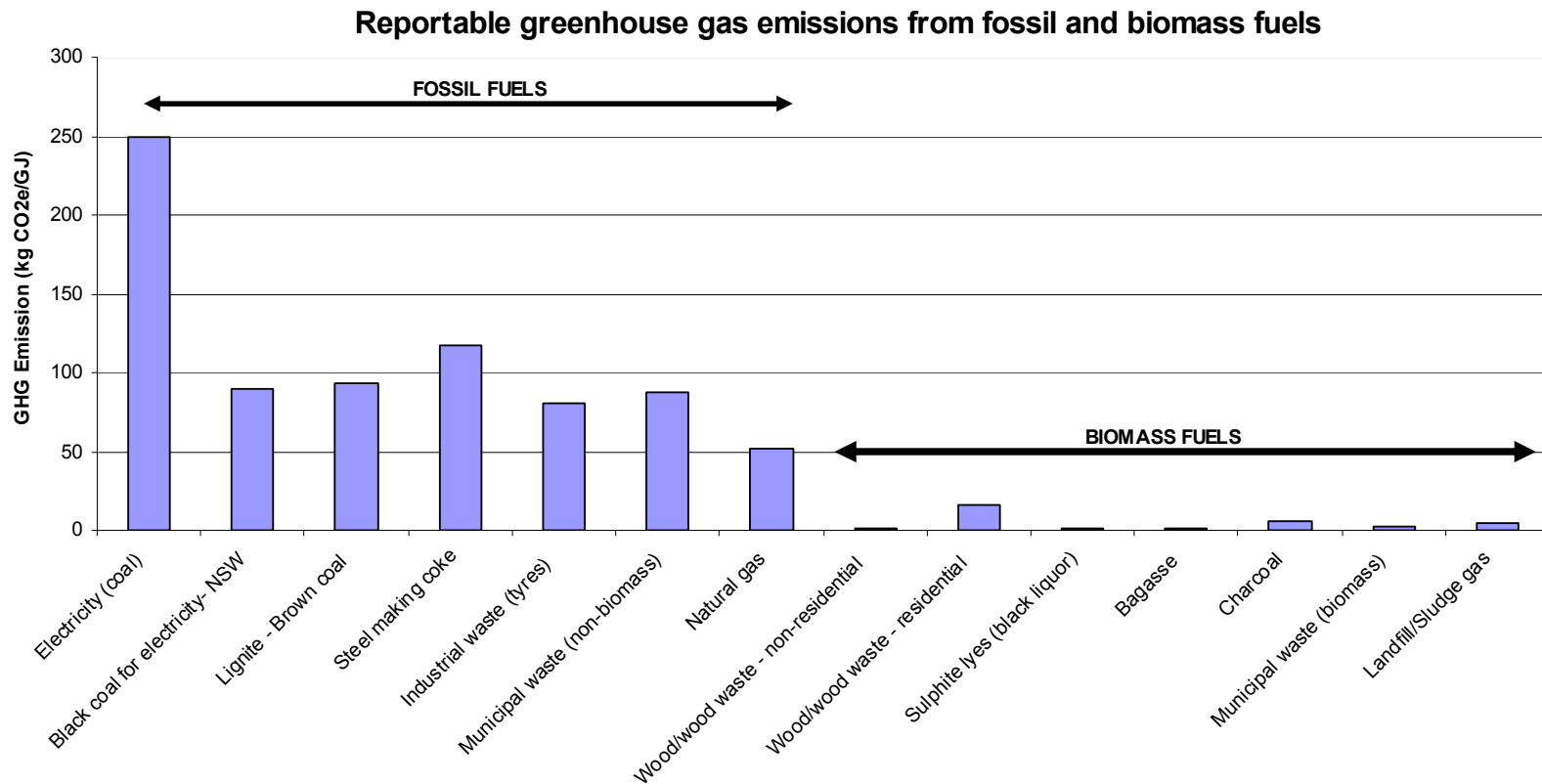
Recycling terminal in Tuulos

Demolite Oy – Finland



*Adelaide Brighton
Cement / ResourceCo
JV – SA*

Renewable Energy



recycling

wood pallets and packaging

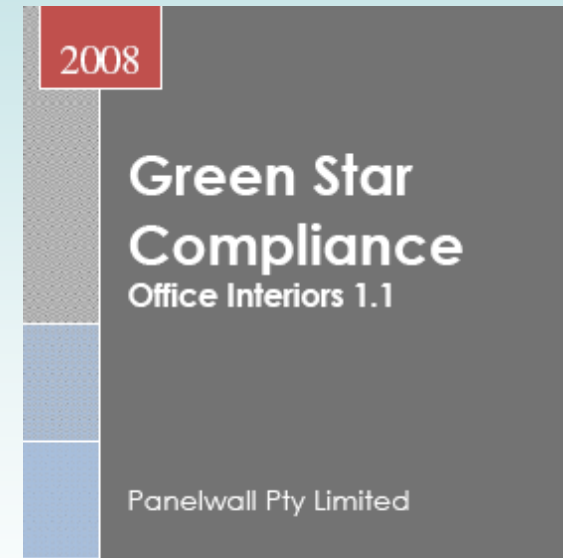
Corporate responsibility doesn't just mean protecting your company's valuable goods, but protecting the environment as well.





Green Star - Product Stewardship eg. Panelwall

- **6.0 Stewardship**
- **6.1 Product Stewardship**
- The policy is defined as a document that declares the manufacturers intentions and procedures to minimize the environmental impact of their product throughout the whole of their life cycle.
- Panelwall has developed a Product Stewardship Program for it's Panelwall Partitioning System which provides all of its clients with the opportunity to participate in the programme. The program provides for Panelwall to take a custodial role in the operational lifecycle of the product, thus ensuring that when the system is reconfigured components are either reused, re-stocked or recycled. When the product reaches the end of its practical life cycle (end of lease) Panelwall will dismantle the system and recycle the components and panels.





<http://www.emrc.org.au/waste.asp?pg=971>



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RADIATA

SLASH

HOOP

Manufactured wood products

- Costs of disposal increasing & opportunities very limited
- Barriers to use of particleboard/plywood/MDF
- Resins, preservatives etc
- Needs market development, well targeted research, change regulations

NSW legislation

- Waste applied to land or used as fuel needs an “Exemption” from the EPA
- Very small quantities (<200m³ as mixed waste OK)
- Plywood and other manufactured wood products currently do not have any exemptions
- Fibre cement does

Successes - EPA NSW Definitions (Before)

Manufactured wood products and preservative treated wood in same category

“Treated wood residues are any chemically treated wood or any engineered or composite wood products, such as particleboard, chipboard, plywood or fibreboard that are manufactured with glues, resins, water repellents, fire retardants, fungal inhibitors and/or other chemicals. This includes chemical wood treatments such as copper chrome arsenate (CCA), high temperature creosote (HTC), pigmented emulsified creosote (PEC) and light organic solvent preservative (LOSP).”

Successes - EPA NSW Definition (After)

Differentiates between the two

Preservative treated and coated wood residues means wood residues that are preservative treated with chemicals such as copper chrome arsenate (CCA), high temperature creosote (HTC), pigmented emulsified creosote (PEC) and light organic solvent preservative (LOSP) and/or coated with substances such as varnish or paint.

Engineered wood products means engineered or composite wood products such as particleboard, oriented strand board, plywood, laminated veneer lumber, glulam or fibreboard that are manufactured with glues, resins, water repellents, fire retardants, fungal inhibitors and/or other chemicals.

Successes

Draft Technical Guidelines for the Estimation of Greenhouse Emissions and Energy at the Facility-Level

Table 7	Wood/wood waste
Table 16	Wood/wood waste
Table 18	Wood/wood waste (dry) – non-residential uses
Table 19	Wood/wood waste (dry)
Table 21	Wood and wood waste
Table 23	Wood and wood waste
Table 61	Wood
Table 62	Wood
Table 63	Wood
Table 65	Wood and wood waste
Table 79	Wood and straw
Table 86	Wood

Successes

Final Technical Guidelines for the Estimation of Greenhouse Emissions and Energy at the Facility-Level

- Dry wood
- Green and air dried wood

Successes

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Successes

- Broadened focus from treated to all timber/wood products
- Government now comes to us:
 - We are seen as part of the solution – not part of the problem
 - \$\$ from three state governments so far
- Industry has a good sustainability story to tell
 - “We are doing well and we are working at doing better”
- Focuses FWPA levy funding in this area
- Helping opportunities for wood industry

Thank you

Questions?



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