

# Aluminium Can

...make a difference!



Alcoa Australia  
Rolled Products



# About Alcoa Australia Rolled Products

- Largest supplier of aluminium rolled products to the Australian market
- Largest aluminium recycling facility in Australia
- Rolling Mills at Point Henry, Geelong Victoria (established in 1965) and Yennora, Sydney, NSW (established in 1961)
- Employs 800 people
- Produces 200,000 tonnes of rolled product annually
- Produces beverage can sheet and general sheet for a range of products including caravans, boats, road signs, licence plates and food and medical packaging
- Sales in excess of US\$500 million

## Topics to be covered:

- History of the Can – Source Reduction
- Innovations
- Tonnage Recovered
- Collection Process
- Recycling Process
- Key sorting Elements
- More Information

# History of the Can

Source reduction

Light-weighting...  
more in the pipeline

Lightweight aluminium cans  
reduce your obligation

Source reduction is as  
important as recycling

	Average Beverage Can Weights (gms)
1980	20.6
1985	19.1
1990	16.9
1995	16.0
2000	14.9
2005	14.7



Alcoa Australia  
Rolled Products

ALCOA

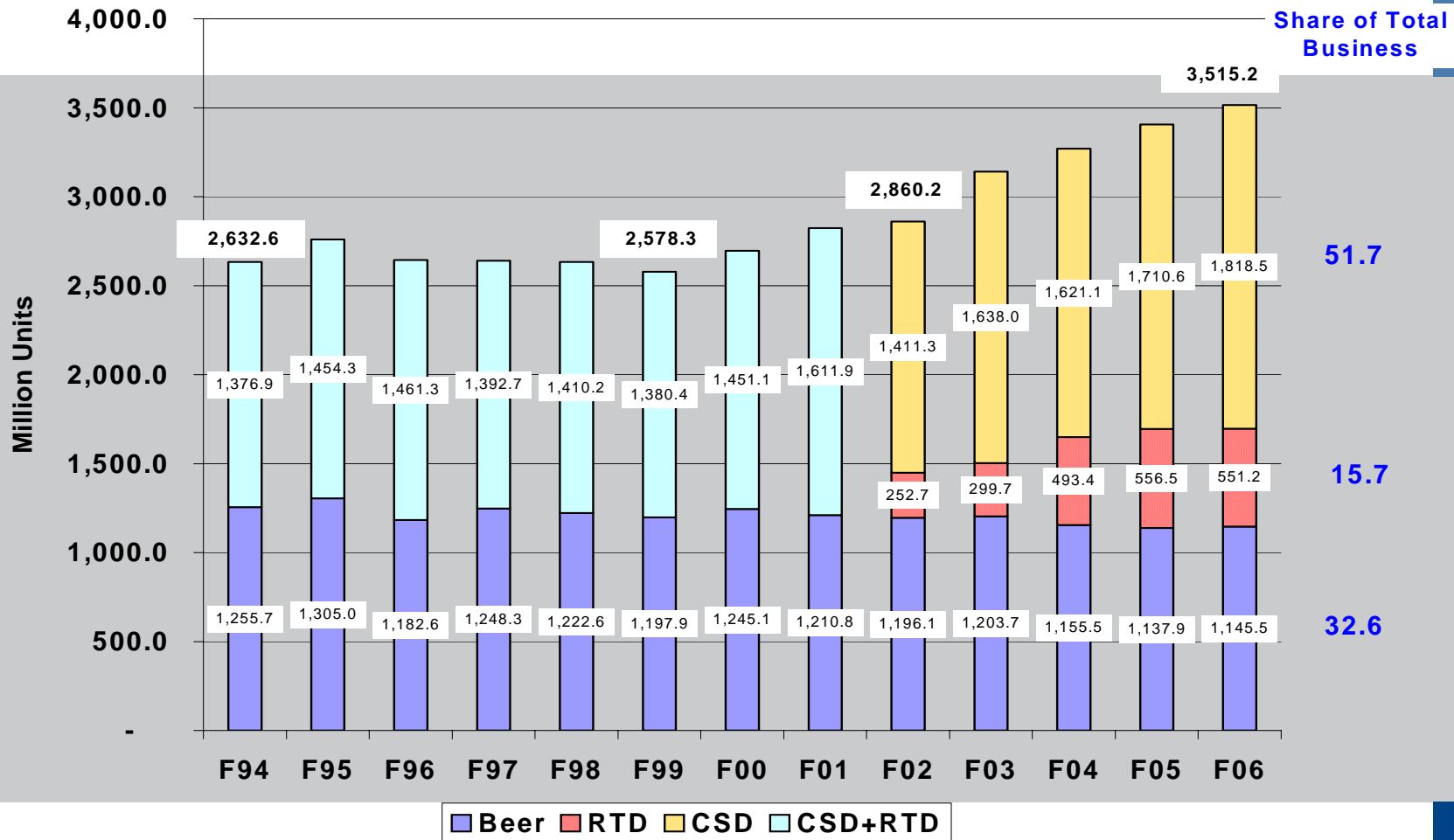
# Innovation



Alcoa Australia  
Rolled Products



# Beverage Can Shipments



Alcoa Australia  
Rolled Products



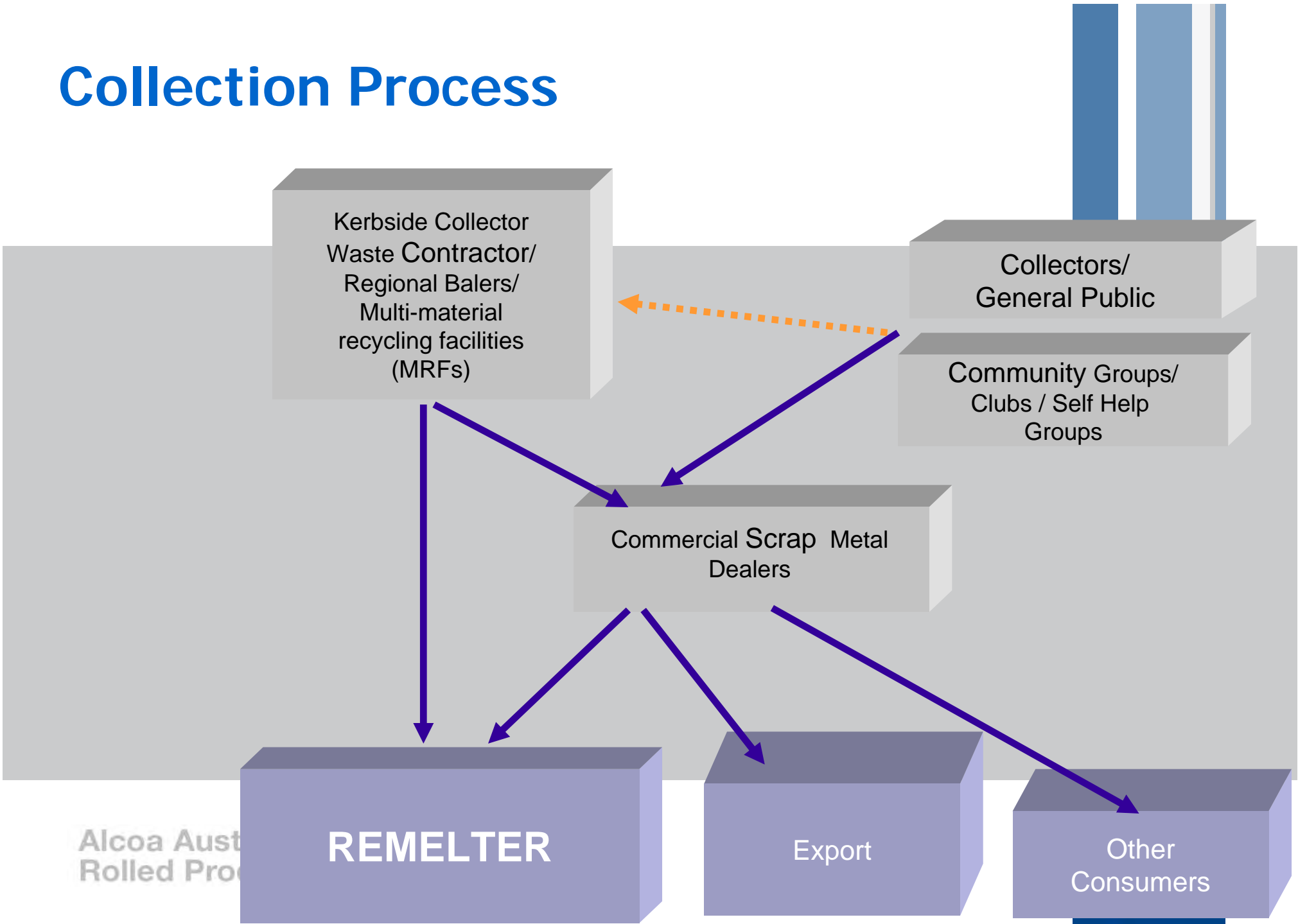
# Aluminium Can Recycling Rates

	Used Al cans collected		Percent of Al cans collected	Payment to community (\$M's) *
	000's tonnes	Billions		
1995	24.4	1.658	65.3%	42.5
1996	25.6	1.643	63.8%	31.6
1997	25.5	1.665	63.0%	3.14
1998	24.2	1.617	64.0%	29.8
1999	26.3	1.751	66.5%	32.4
2000	28.3	1.896	70.4%	34.8
2001	29.5	1.979	68.9%	36.7
2002	28.0	1.892	62.0%	31.3
2003	29.0	1.966	63.4%	28.7
2004	34.1	2.312	70.8%	35.8
2005	34.8	2.367	71.3%	29.7

\* estimate based on average metal price

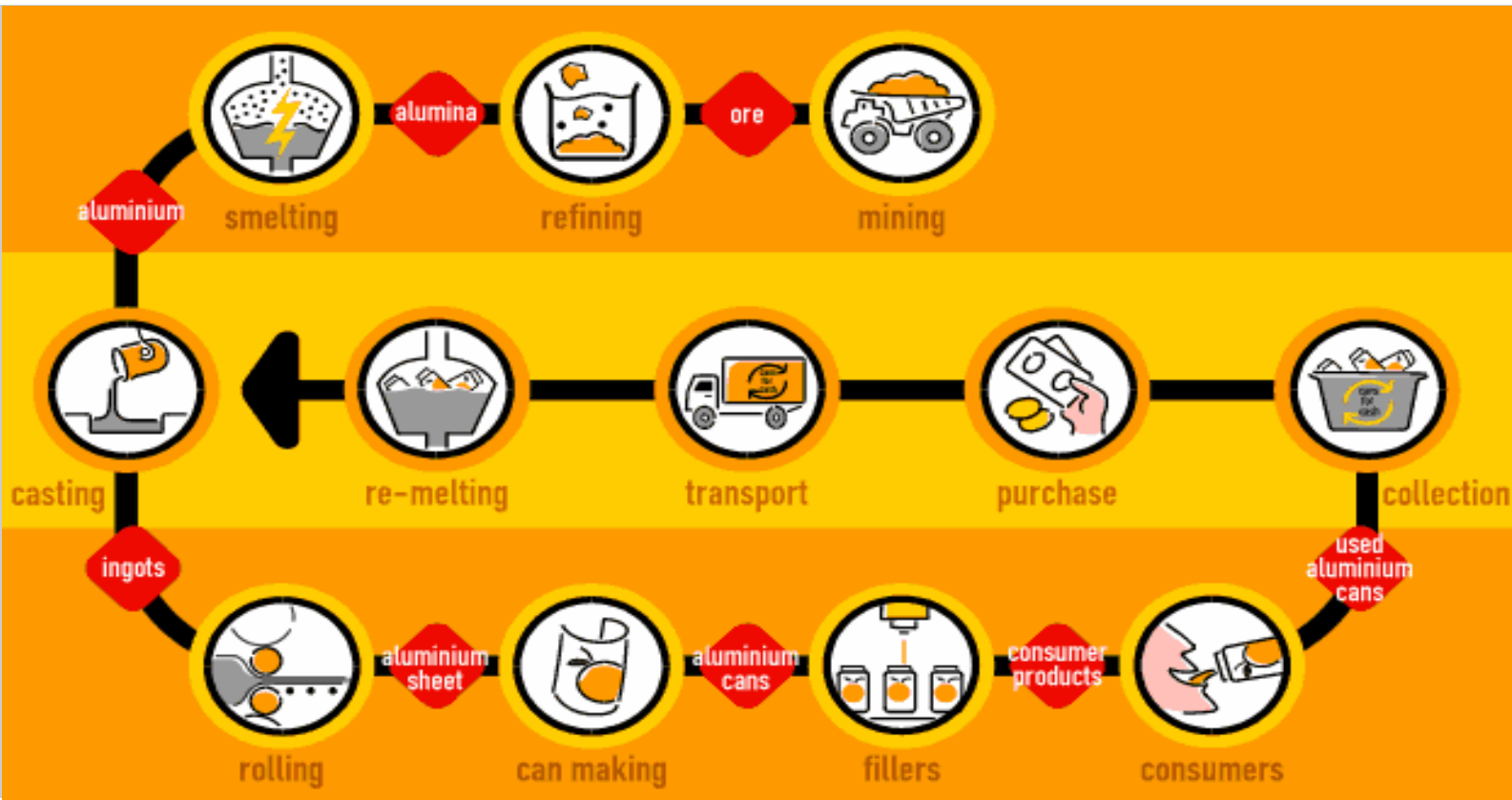


# Collection Process



Alcoa Aust  
Rolled Pro

# Recycling Process



Alcoa Australia  
Rolled Products



# Contamination:



## Aluminium scrap must be free of contaminants.

For explosive reasons:

- Heavy grease and oils
- Residual chemicals such as nitrate and sulphate and other oxidising materials
- Corroded and oxidised material
- Water and other volatile substances (solid or liquid)
- Salt Fluxes
- Bottles (glass/plastic), pressure packs, butane lighters etc.

# Contamination:



## Aluminium scrap must be free of contaminants.

For health reasons:

- Product exposed to radioactive substances
- Product contaminated by polychlorinated biphenyls (PCBs)
- Product alloyed, plated or free selenium, cadmium, lead, mercury, arsenic, beryllium or antimony.

# Contamination:



## Aluminium scrap must be free of contaminants.

For environmental/commercial reasons:

- No steel, lead, plastics, paper/cardboard, wood etc
- Other forms of aluminium scrap

# More Information

- The Aluminium Can Group Website
- [www.aluminium-cans.com.au](http://www.aluminium-cans.com.au)