- Robert Kelman, Hobart, Tasmania, Aust
- Contracted to Reloop Pacific – SUP's; CDS; Recycled Content; and Refillables
- Coordinate the Australian Council of Recycling (ACOR) CD Division
- Also, EO, Australian Tyre Recyclers Association (ATRA) – whole tyre export ban; eradicate the ability to stockpile or landfill

reloop
resources remain resources

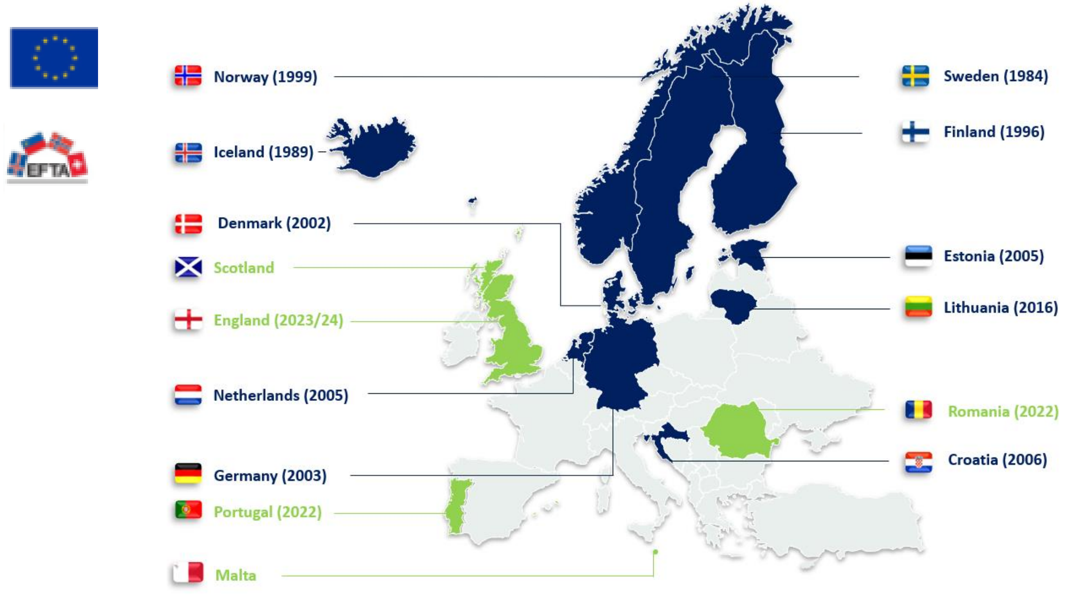
INTRODUCTION – KIA ORA, TINA KOTOU

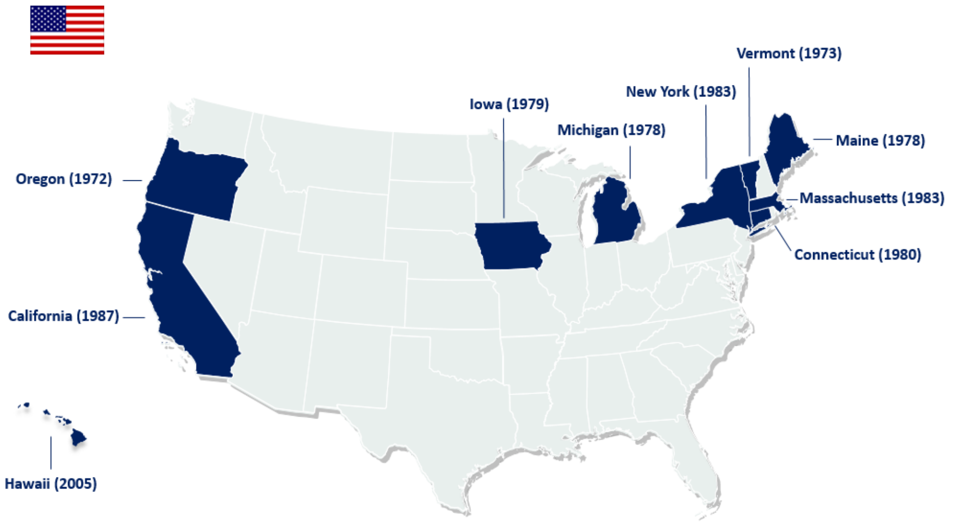
THE WORLD HAS SHIFTED

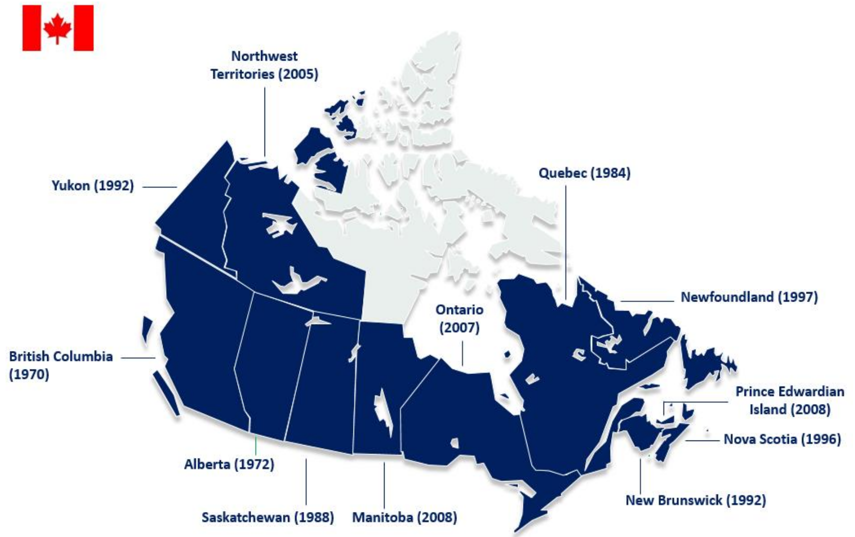
The Public Doesn't Want Litter

Malaysia et al Don't Want our Rubbish

GLOBAL OVERVIEW – 40+ STATES HAVE OR WILL CDS – MORE COMING AS EU 90% PET BY 2030 TARGET BITES







Deposit system implemented / Political decision taken

AUSTRALIAN CONTAINER REFUND STATES

- Western Australia – 2020; Tasmania – 2023
- Victoria ???
- South Australia reviewing CDS, e.g. governance, eligibility, refund value, collection network
- Aligned:
  - 10cents refund;
  - matched eligibility – excl wine;
  - labels
- Defined primarily by whether the collection network is determined by the Scheme Coordinator or the Government, i.e. Governance framework
  - NSW RVM oriented voluntary retail involvement
  - QLD manual oriented, some automation
- Unlike EU and some US States – NO retail return requirement

The CD 101 Slide – Driven by two financial features; refund and handling fee

NSW pre-CDS

32% recycling;

QLD pre-CDS unknown

NSW current 53%+25% = 68%

QLD 38%+15% = 53%

SA = 76.9%

https://www.youtube.com/watch?time_continue=9&v=R8Z-otTQ_b8

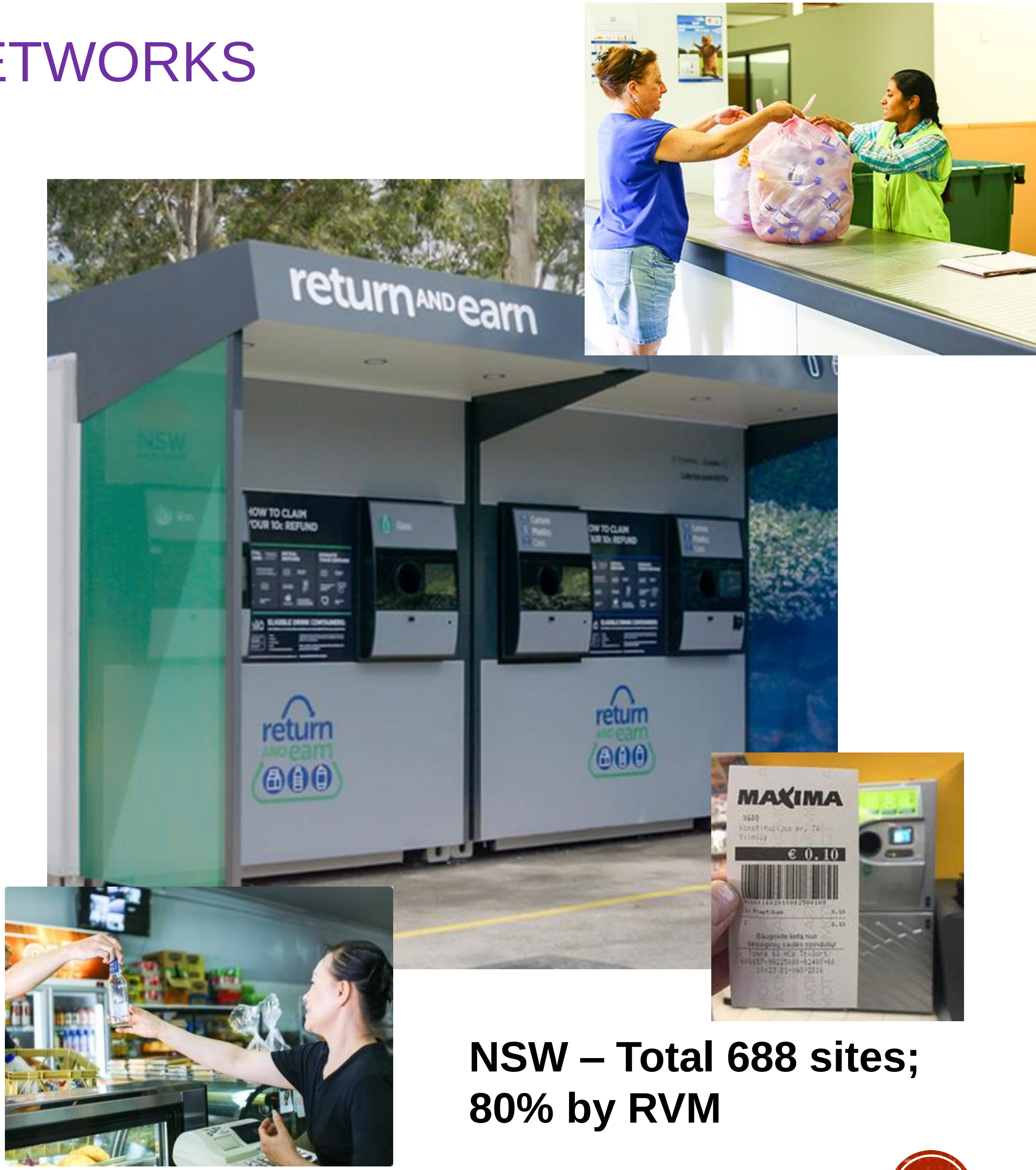
CONTAINER REFUND SCHEMES – GLOBALLY PROVEN FOR CONTAINERS

	SA	NT	NSW	QLD	ACT	WA
Objectives	Litter	Litter and RR	Litter and RR	Litter, RR & S.Ent	Litter and RR	Litter, RR & S.Ent
Scope	All < 3ltr; not white milk, juices > 1ltr etc	All < 3ltr and as SA	150Ml's➔ 3ltrs; milk and juices > 1ltr Approx: 3.5BN	150Ml's➔ 3ltrs; milk and juices > 1ltr Approx: 2.7BN	150Ml's➔ 3ltrs; milk and juices > 1ltr	150Ml's➔ 3ltrs; milk and juices > 1ltr Approx: 1.8BN
Governance	Bev – SC; 3 Super Collectors	4 SC	Bev-SC; NO Tomra/Cleanaway 5yrs	Bev-SC	Bev – SC; NO Return It	Bev-SC
Legislated			Recycled	Recycled; 85% target	Recycled	Recycled; 85% target
Funding	HF set by SC	HF by SC's	HF and Network tendered/ contracted by NSW govt	HF set by SC; costs projected return rates	HF set by SC	HF set by SC
Marking	10c refund at collection depots/ points in participating State/ Territory of purchase + BC (not SA)					
Payments	Cash	Cash / EFT	Cash, Voucher, Donation, EFT	Cash, Voucher, Donation, EFT	Cash, Donation, EFT	Likely - Cash, Donation, EFT
Collections	Manual depot	Manual depot; RVM	RVM; automated depots; OTC - 650	Manual depot; bag drops; OTC; RVM depots - 307	OTC, depots	Uncertain – likely manual depot
Recycling	76.9%	approx. 60%	32% ➔ 69%	52 - 55%	?	NA
CD v MRF	65% ➔ 11%		53% + 25%	38% + 15%		

Container Refund Scheme – No legislated deposit

COLLECTION NETWORKS

QLD – Total 307 sites



NSW – Total 688 sites; 80% by RVM

NO 1 DRIVER – CONVENIENCE - GO TO THE CONSUMER

State	Popl [M]	Return Rate	High Deposit Rate $A		Retail obligation	Regulated target and penalty	Incumbency (20+ yrs)	Incentive – Tax, Recycler
Germany	82.76	98.50%	√	0.33	√	X	√	
Croatia	4.3	95%	X	0.1	√	√	X	
Vermont (USA)	0.6	95%	X	0.06-0.18	√	√	√	
Norway	5.2	95%	√	0.16-0.40	√	√	√	√
Netherland	16.7	94.20%	√	0.33	√	X	√	
Iowa (USA)	3.1	93.30%	√	0.06	√	X	√	
Michigan (USA)	9.9	90%	X	0.13	√	X	√	
S.Australia	1.66	76.9% (25th)	X	0.10	X	X	√	

WHAT ARE THE VARIED INTERESTS OF PARTIES? (NON-EXHAUSTIVE LIST)

National Government	– Good public policy, cost effective, popular with electorate
Recycling Sector	– Business, clean materials, high return rates – Handling fees
Consumers/ public	– zero-litter and good recycling, convenience, refund
Retailers	– Sales continuity, effective marketing, foot traffic (5-7% sales increase)
Local Government	– $Savings (kerbside, litter), remove glass, returns to MRFs and refund sharing
Beverage Producers	– Costs, level playing field

PATHWAY TO SUCCESS FOR AOTEAROA

- Understand the motivations, objectives and ambitions of all parties and adopt a true PS model (producers, retailers and consumers all have a role)
- Incorporate all beverage packaging, including wine and spirits
- Allow 12months for implementation (infrastructure roll out and marketing)
- Invoice producers in arrears
- Assure recyclability but also recycled content – drive additional CE outcomes
- Allow for refillable containers in the scheme – Oregon restarted a refill market; 20%+ of EU retains
- Assure consumer convenience through retail
- Set the refund high enough and allow for inflation (UK 20pence – NZ40cents)
- Ensure sensible negotiations between Councils and MRFs; should MRFs get the HF and councils the refund?