BUILT
TO THE HIGHEST
STANDARDS.

RECYCLED
TO THE HIGHEST
STANDARDS.

TechCollect
Recycling e-waste responsibly

ANZRP
AUSTRALIA NEW ZEALAND RECYCLING PLATFORM

Connected locally and globally in Product Stewardship

Environmental benefits of recycling in carbon emissions and energy & water consumption

Fully funded by some of the world's biggest technology brands

Reduced pricing to Members year on year

110,000 More than 110,000 tonnes of e-waste recycled to date
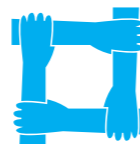
Local collection, national platform, global standards

Run by industry for industry

FREE Providing a free service across Australia

The largest and only not-for-profit Co-regulatory Arrangement

TechCollect
Recycling e-waste responsibly

The highest profile NTCRS program for the fifth consecutive year

Achieved 100% volume

Achieved 100% Reasonable Access

Ran 186 Collection Services across Australia

Recycled over 26,000 tonnes of e-waste

Greater than 95% material recovery rate

Over 1.4M people reached through media coverage

80% new visitors to TechCollect website

Achieved safe environmental and OHS outcomes with no reportable incidents

20 **16/17**

Welcome to ANZRP's 2016/17 Annual Report. The story of our fifth year of operations is about standards. A real focus on quality and improvement has been the decisive factor in our strategy and operations.

The Chairman's Letter:

Mark Mackay

Our key strategy was "business as usual", reflecting the stability and consistency of service that has characterised our operations. The Board defined ANZRP's core objective to continue meeting its Members' liability in the most sustainable and cost-efficient manner, always striving to reduce costs while maintaining the highest standards of collection, recycling and compliance.

Our ANZRP/TechCollect program has enjoyed continued success. We met all Regulatory targets. Our core Membership was retained. We strengthened relationships with many individual Members. We further reduced our operating and recycling costs.

Above all, we operated to the highest of standards to ensure that our Members' brands and reputations were protected. In a waste recycling industry which has had its share of recent controversies, ANZRP remained synonymous with quality, high standards and reliability.

The bigger picture: the 2018 Plan

Our company vision neatly encapsulates ANZRP's broader focus under our 2018 Plan: to be a preferred Product Stewardship partner, connected locally and globally. What this meant, in practical terms, was that we:

- Sought ways to create commercial opportunities through new products and markets, thus reducing the cost to Members of our core program

- Enhanced our thought leadership credentials both nationally and overseas, increasing the profile of our Members' industry and its role in responsible recycling

- Developed a deeper understanding of the waste stream and circular economy, to better drive change

- Continued driving (almost singlehandedly) awareness and education of the NTCRS

- Flew the flag for NTCRS reforms, many of which are fairer to our Membership and provide better outcomes all round.

On all these measures we made solid progress, and you will read more about them in the following pages. I do want to make particular reference to our White Paper, a vital tool in seeking Regulatory change to create better recycling practice and drive compliance with standards in Australia. A key component of our thought leadership position, it has already been well-received at the Regulatory level and by industry stakeholders.

The role of the Board

Our Board continues to serve its purpose well in driving strategy, managing risk and ensuring that there is good governance across every operational and reporting aspect of the business.

With five of its eight Directors representing industry itself, ANZRP truly has its Members' best interests at heart. It also benefits from the input of my fellow Independent Directors, who bring complementary skills and experience in other areas to ensure a level of oversight and expertise that is best practice among NTCRS Co-regulatory Arrangements.

ANZRP said farewell to two Directors in the last year. Michael Wilson left Fuji Xerox and thus resigned from our Board; and one of our Independent Directors, Kerryn O'Brien, took on a new role that absorbed her time and considerable energies. The contributions of both cannot be underestimated, and we thank them for their guidance and advice.

Happily, ANZRP is not short of access to industry expertise, with Rhys Huett, also from Fuji Xerox, joining as a Member Director to give us the benefit of his sound environmental and sustainability credentials; while Claudia Bels, who has rich experience in legal, governance and risk matters, has joined us as a new Independent Director and Chair of our Nominations and Remuneration Sub-Committee. We warmly welcome them both.

I'd like to thank all our Directors for their tremendous contributions throughout the year.

The way forward:

2020

THE 2020 PLAN

With our 2018 Plan successfully underway, we have developed a 2020 Strategic Plan to frame our strategic focus for the next three years.

Certainly that period will present some interesting hurdles for ANZRP. Alongside Scheme target increases, we face challenges in securing reliable volume and maintaining or reducing our cost base. While we have enjoyed year-on-year cost savings – to the point where the cost to our Members is less than half what it was five years ago – we are at a point where the challenge will be to hold, rather than to reduce, our cost of doing business. Rest assured we will continue to drive efficiencies to address this situation.

When we established ANZRP, the year 2026 – the furthest year in the NTCRS long-term targets – seemed a long way off. It now seems considerably closer, and this is particularly important given the 80% volume target for that year. Therein lies one of the most important priorities of our 2020 Plan. We need to continue driving our leadership position, particularly in Canberra in the area of advocacy, so that the Scheme Regulations are properly amended to reflect realistic volume targets and related issues such as addressing reuse and scaling factors. We need to stay on top of the emerging circular economy, so that ANZRP, its programs and Members benefit from the opportunities that will come our way for smarter, better and more cost-efficient recycling.

We will continue to balance high standards with the need to ensure competitive program and recycling costs for our Members.

ANZRP BOARD

Mark Mackay
Chairman
Appointed 4/7/12

Claudia Bels
Independent Director
Appointed 1/4/17

John Edgecombe
Dell Australia and New Zealand
Appointed 10/6/15

Rhys Huett
Fuji Xerox Australia Pty Ltd
Appointed 14/3/17

Janet Leslie
Canon Australia Pty Ltd
Appointed 16/11/11

Lynn Loh
HP PPS Asia Pacific Pte Ltd
Appointed 26/9/13 as
Alternate Director
Appointed 24/10/14 as Director

Kerryn O'Brien
Independent Director
Appointed 26/9/12
as Alternate Director
Appointed 24/10/14 as Director
Resigned 30/11/16

Kerry Osborne
Independent Director
Appointed 1/1/16

Mark Whittard
Toshiba Australia Pty Ltd
Appointed 16/11/11

Michael Wilson
Fuji Xerox Australia Pty Ltd
Appointed 4/7/12
Resigned 23/12/16

AUDIT, GOVERNANCE & RISK COMMITTEE

Janet Leslie Chairman
Kerryn O'Brien until 30/11/16
Lynn Loh
John Edgecombe
Mark Mackay from 26/10/17
Claudia Bels from 1/4/17

SUSTAINABLE BUSINESS GROWTH COMMITTEE

Mark Whittard Chairman
Mark Mackay
Michael Wilson until 23/12/16
Kerry Osborne
Rhys Huett from 14/03/17

NOMINATIONS & REMUNERATION COMMITTEE

Claudia Bels Chairman
John Edgecombe
Janet Leslie

Transitions

In closing, I would like to acknowledge the exceptional work of our CEO, Carmel Dollisson. Carmel recently announced that she will be taking a well-earned break early in 2018 before seeking new challenges.

We are all really sorry to see Carmel go. Throughout her tenure she has led the business with great strength and purpose, and the success of her efforts has been visible for all to see. The good news is that Carmel will be staying with us long enough to ensure an orderly transition for our new CEO. Above all, the very factors to which I have already alluded – the stability and consistency of the company's operations – will put us in good stead for the transition period and beyond. I will keep you informed of developments.

Thank you to Carmel for all her hard work, and we warmly wish her all the best in her future endeavours. Thank you also to Carmel's excellent team who have worked diligently throughout the year to deliver us great results across the business.

And to our Members, thank you once again for your loyalty and support. We look forward to another successful year.

Mark Mackay
Chairman

The CEO's Report: Carmel Dollisson

In many ways 2016/17 was ANZRP's most satisfying year to date. We not only achieved our Regulatory targets, but made great strides as one of the leaders in global Product Stewardship. We delivered on all key measures in an increasingly complex external environment while building on our solid foundations to create future opportunities to benefit our Members. And as in previous years, we remained on an exceptional financial footing while providing a great service to the Australian public.

Volume, volume, volume...

The key challenge for the year was finding the waste. Fewer CRTs, generally lighter products and hoarding contributed to the challenge, but more critically, the level of computers being exported for reuse, which – while being a good environmental outcome – meant that there was scarcely sufficient waste arising to achieve targets at the current levels.

This situation was exacerbated in 2016/17 by the recycling target being 58%, at which there is little excess product available for recycling to meet it. Recycling volume for the Scheme year is reflecting a stable level of units imported, so the increase is purely created by the recycling target, not greater commercial activity.

More troubling still, the high recycling target was potentially driving negative behaviour by some in the industry, such as paying for waste. This creates a very poor outcome for us all: when waste has a value it drives up the cost of all programs by creating a secondary market and payment expectations, leading to hoarding and arbitrage. This cost is a direct cost to Liable Parties.

To be truly viable and fulfil our Members' liability to the highest standards, we must have regular and predictable streams of volume from a range of sources. Accordingly, we chased every lead and increased our B2B drives. Our program team did an exceptional job finding e-waste, ably assisted by our collection network and recyclers.

Our Membership

I must acknowledge the efforts of our Members in securing volume through their takeback programs, where many are leading the world with initiatives around the circular economy. We're delighted to have consolidated our relationships with a number of Members to manage their IPR programs. This is a real win-win: we can leverage our existing services, expand our capabilities and offer more competitive pricing than other service providers, while the small margin we charge off-sets some overheads in our core program. We reliably understand that our service has reduced member program costs and improved service levels.

Our Membership continued to be the envy of the industry. We are only ever as strong as it allows us to be, and I'm delighted that we retained almost our entire Membership. Resignations were mostly on account of companies no longer being liable. More importantly, our Membership grew. At 1 July 2016 we had 48 Members; at 30 June 2017, 55 Members and responsibility for 46% of Scheme liability.

We sought to attract new Members with competitive pricing, but lower offers were available – some Co-regulatory Arrangements (CAs) seem to be able to offer below-cost fees, which we believe is not necessarily compatible with the most sustainable outcomes.

We applaud our Members for their ongoing commitment to a sustainable and lean operation that ensures responsible recycling to the highest standards; and we certainly aimed to reward their loyalty by again delivering a price decrease for our service in 2016/17, as we have each year so far.

The White Paper

ANZRP has always focused on positive and proactive advocacy. The Regulatory Review of the Product Stewardship Act, now underway, is the vital forum in which we are putting forward our case for change, with our White Paper providing evidence. While its launch occurred in early 2017/18, we developed it over the previous year. It includes over thirty recommendations for the Regulator to consider, and I encourage you to review it at our ANZRP website.

The regulations need to address the realities of the e-waste stream and set the policy for success. Our key recommendations are recognising export for reuse – either by reducing the scaling factor, or separately tracking reuse and reducing the target volume to what actually exists in Australia – along with shared responsibility and an expansion of products covered under the Scheme, which will allow for optimised collection and facilitate investment. The latter, in turn, will create improved recycling outcomes and generate jobs.

We are now actively using the White Paper as the basis for our lobbying. In the final months of 2016/17 it served as the hook for a number of meetings I had with key policy stakeholders on all sides of the political fence in Canberra.

Our key goal remains, as always, to ensure a more equitable Scheme for our Members, underpinned by a vibrant recycling industry which is safe and sustainable, worthy of investment and ensures continued job creation.

Regulatory developments

The announcement of the Regulatory Review only came in March 2017, later than expected. This was partly a result of a Cabinet reshuffle. After a very long Federal Election campaign, a new Minister took over the Environment portfolio in July 2016 and its name changed to the Department of the Environment and Energy.

Having formed a good relationship with Greg Hunt and his team, we continue to work constructively with new Minister Josh Frydenberg, and by the end of 2016/17 I'd already had the opportunity to meet with him. In the meantime, Departmental changes meant that the Review took some time to get underway, meaning that any of the required Scheme amendments won't come into effect until at least 1 July 2018.

We continued to work exceptionally well with the Regulatory team led by Peter Brisbane, and this relationship has been a cornerstone of our success. Our quarterly meetings with them have been a vital component – along with our White Paper – in ANZRP's ongoing campaign for Regulatory reform and amendments that are fairer to our Members and more realistically reflect the current market.

We also continued to stay abreast of state-based waste Regulatory issues, such as the Victorian Government's election promise to introduce an e-waste ban. We provided consultation to the State Environment Department and Sustainability Victoria about waste streams and options for treatment and management, particularly the issues and risks associated with each. This process will continue for some time yet.

The TechCollect program

Our core program continued to run smoothly and efficiently. Our long-standing partnerships with collection sites, predominantly Local Government and waste management organisations, continued to thrive. And there was good news in areas where we'd previously encountered challenges. Historically we've had only limited success in getting Local Government support for collection services in Tasmania, but secured event sites there this year and laid the foundation for future permanent sites.

Our stance of not paying for waste meant that we did not secure several Local Government tenders, which is disappointing. We will continue to offer our services and endeavour to secure those tenders next time.

We held numerous events, from New South Wales to Western Australia, though the consistent supply of e-waste from other channels ensured that we were able to rely less on events. We received many calls from businesses following our very successful Waste Not, Want Not campaign in December, and have run a number of collections in Sydney and Melbourne securing equipment from businesses. You'll find more information in our Program and Marketing Report (see pages 14-25).

We again shared some retail sites with QLS, an arrangement that has served both parties well for several years and ensures a level of cover that would be more difficult to achieve otherwise. Retail sites are a secondary priority for us – behind our permanent sites and growing B2B channels – but extremely important nonetheless.

The recycling industry

Despite a sluggish Australian economy there is significant interest in domestic e-waste recycling, and we may see several new entrants or new technology in the local market in the near future to improve recycling outcomes. We certainly encourage healthy competition and a strong recycling economy, so long as standards required for safety and to ensure a viable industry aren't eroded through poor recycling practice.

Negative media coverage about recycling – though not the NTCRS – was a recurring feature of the year. Even in our Scheme we heard of recyclers buying waste under the guise of apparently recycling it, but actually either refurbishing it and selling or merely shipping it offshore. Such practices run the risk of increasing Product Stewardship costs, eroding the effectiveness of the Scheme and damaging the level of community trust in the Scheme. More positive has been the real attempt to harmonise landfill levies to stop the transport of waste across state borders.

Among our own recycling partners there was very positive news. Tox Free secured 100% of PGM, began plans to expand its operations into New South Wales, and launched its second Blubox, a state-of-the-art e-waste processing machine representing best-practice recycling technology. Our newest recycler, Ewaste Recycling Australia in Mackay, was extremely helpful in securing greater Queensland volume and reducing logistics charges by avoiding moving all e-waste in that state to Brisbane. Finally, Total Green Recycling upgraded its equipment to include a large shredder and advanced separation technology, dramatically increasing its capacity.

Fluctuations in commodity prices and changing markets is all part of the recycling challenge. Needless to say, this year was particularly challenging!

Product Stewardship

The wider world of Product Stewardship continued to inform our activities, some setting the groundwork for potential future income sources to reduce our core program costs.

In August 2016 we conducted a Product Stewardship Forum in Sydney – with representatives from industry, Government and the paint, battery, Agsafe and tyre schemes – to work towards a more cohesive future. The ever-increasing number of Product Stewardship programs – each with a separate structure and Board, and separate costs – does not necessarily serve industry well. We would like to see more collaboration and sharing of resources, while each still drives the outcomes for its specific industry group.

With funding from the New South Wales Department of Environment and Heritage's Sustainability Advantage Group, we coordinated five workshops to identify ways for Product Stewardship organisations to collaborate for the greater good, bringing together industry, academia and Local Government. A key issue in all these workshops was the general lack of awareness of programs, and there is much interest in using the Review of the Product Stewardship Act to facilitate shared initiatives.

Based on our proposal, Standards Australia agreed to fund the development of a handbook to manage e-waste in commercial buildings. The aim is for the Green Building Council to adopt the standards and award credits to buildings, assisting them to reach the overall building star rating. This handbook will be consistent with AS/NZS5377 and should encourage more businesses to recycle their end-of-life equipment.

We developed training material for JAZ-ANZ's assessors, delivered by ERM to ensure more competence with the specifics of AS/NZS5377. It was reassuring that JAZ-ANZ recognised our responsible approach to standards and auditing.

We responded to the tender for Scheme Coordinator of the New South Wales Container Deposit Scheme, which was an invaluable experience. While we didn't secure this role, we received extremely positive feedback from the New South Wales EPA on our response, which provides a useful template for future work seeking new business.

We are always encouraging new entrants and have provided support and advice to new product schemes (e.g. mattresses) as they faced the challenges of set-up and the dilemmas of structure and funding. We faced those same challenges six years ago and they have thankfully long since been addressed!

It is important for ANZRP, both as a leading Product Steward and representative of our Members, to support broader Product Stewardship activities and play a role in driving a circular economy. We will continue to do so in the next year.

Flying the flag

Another factor that sets ANZRP apart is our participation in a broad range of activities where we not only provide advice or develop potential sources of volume, but promote the good work of industry and its role under the NTCRS. Over the last year we continued to spread the ANZRP message far and wide.

I presented at the National Sustainability in Business Conference in Brisbane, flying the flag for our B2B credentials; and at Waste Expos such as the well-established annual event in Coffs Harbour. I also joined some sixty industry professionals at an Australia Post workshop aimed at increasing its sustainability initiatives. The workshop came up with several areas to be further developed; an ongoing committee was subsequently formed for this purpose, and has now been meeting for some time.

In early 2017 the ANZRP Board visited the SMaRT Centre at the University of New South Wales, a laboratory working to identify ways in which e-waste can be recovered for use in the manufacturing of new products. It is now looking for industry partners to find appropriate markets for the resulting products in Australia, and our Board is investigating opportunities for collaboration to create more innovative e-waste recycling technology.

Further afield, I presented at the 16th International Electronics Recycling Congress (IERC), one of the most important gatherings of industry stakeholders on the global calendar, in Salzburg, Austria. It was a privilege to tell our Australian story, and meet with global colleagues working to similar objectives and facing similar issues. Many were astounded at how quickly Australia has caught up with, and surpassed, the majority of EU countries in our level of collection and recycling, particularly given the size and geography of Australia. I also met representatives from some of our founding Members such as HP, Apple and Dell, who attended my session.

The global outlook

One of the benefits of Salzburg was the opportunity to gather up-to-the-minute impressions of global activities and speak with influencers of policy. There is certainly more focus on tracking and reporting the movement of e-waste in and out of the EU and other regions, improving the recovery from e-waste and finding new technologies and end markets for them. The expansion of recovery programs into Africa and South America continues.

Events in China will challenge current practice. In Australia we recycle most CRT glass, a percentage of steel and a small amount of plastics and batteries, with the remaining recovered commodities sent offshore to reputable recyclers for further processing because the required technology is not viable or doesn't exist here yet. Many components, notably plastics, were sent to approved recyclers in China until recently; but the Chinese Government has now put up a "Green Wall", reducing the plastics market and introducing an import tariff for recyclers. Australia needs to explore the viable end markets here and then encourage support and investment in appropriate technology.

To ensure we remain informed about global trends, we joined the WEEE Forum, the highly-regarded European Forum representing thirty not-for-profit e-waste Producer Responsibility Organisations (PROs). Our membership of the Forum is ultimately a benefit to our Member companies, enhancing your own recycling and sustainability credentials globally.

On the horizon

Finally, I'd like to close in noting that this is my final CEO's Report for ANZRP. In early 2018 I will be embarking on new adventures, and while some of them may take me further afield, I hope to remain close to the industry for which I have developed such a high regard over the last six years. That e-waste recycling and sustainability have become so "close to my heart" is in no small measure due to the wonderful people I've had the opportunity to work with.

I'd like to thank all our collection partners, recyclers and logistic partners for their tireless commitment to doing the right thing and doing it so well. It has been a real joy to work with our Member companies and to get an insight into the many ways in which they, at the very heart of the circular economy, are doing so much to bring about positive change. I thank the Regulatory team for its guidance and support to our business, and the ANZRP Board for its vital role.

To my small and dedicated ANZRP team, your work in delivering an exceptional program has been exemplary from the outset, and will continue to put the company in great stead. Our positive, knowledgeable and efficient operation is extremely well-regarded.

Above all, it is reassuring to leave knowing that ANZRP is now such a well-established and stable Co-regulatory Arrangement, running like a well-oiled machine and working each and every day to provide its Members with an exceptional service that delivers above expectations.

I wish all of you the best in the future, and thank you again.

Carmel C Dollisson

Carmel Dollisson
CEO ANZRP

Program and Marketing Report

For the fifth consecutive year, ANZRP's TechCollect program was the largest, most extensively promoted and most publicly visible program operating under the National Television and Computer Recycling Scheme (NTCRS).
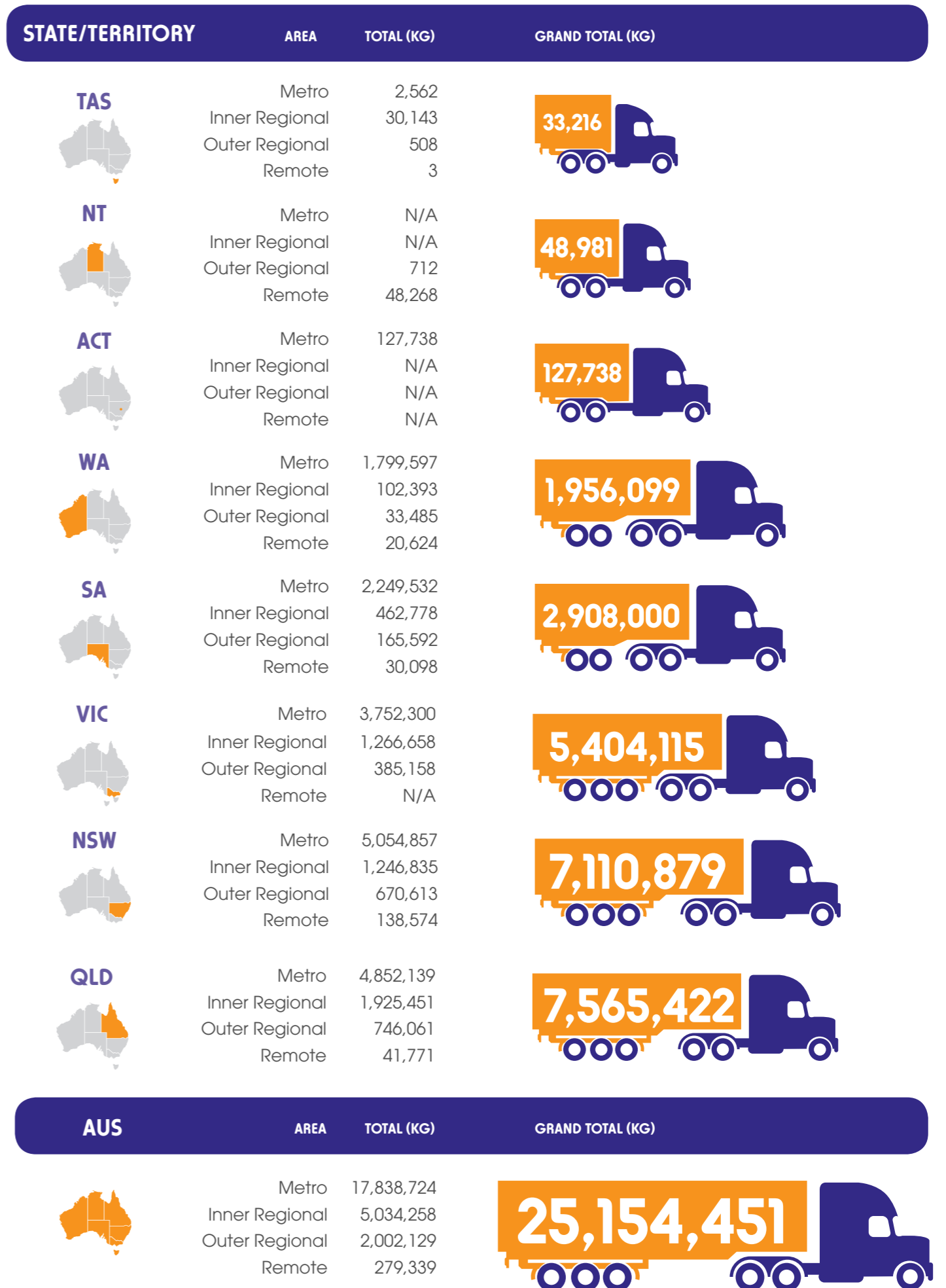
Among other program highlights, we:

- Achieved our volume and Reasonable Access targets
- Recycled over 26,000 tonnes of e-waste
- Passed the 100,000 tonnes landmark of e-waste recycled by TechCollect since its inception
- Continued our high level of material recovery rate

- Maintained excellent – and in most cases long-standing – partnerships with our recyclers
- Consolidated five years of program expertise in the creation of our White Paper for the Review of the Product Stewardship Act and NTCRS
- Worked more closely than ever with Member companies on programs to enhance the service that we provide to them and ensure steady supply of volume

Our program performance is audited by Pitcher Partners to validate compliance with the NTCRS requirements under ASAE 3000.

Fig. 1: TOTAL WEIGHTS (KGS) OF PRODUCTS COLLECTED IN EACH STATE/TERRITORY

STATE/TERRITORY	AREA	TOTAL (KG)	GRAND TOTAL (KG)
TAS	Metro	2,562	33,216
	Inner Regional	30,143	
	Outer Regional	508	
	Remote	3	
NT	Metro	N/A	48,981
	Inner Regional	N/A	
	Outer Regional	712	
	Remote	48,268	
ACT	Metro	127,738	127,738
	Inner Regional	N/A	
	Outer Regional	N/A	
	Remote	N/A	
WA	Metro	1,799,597	1,956,099
	Inner Regional	102,393	
	Outer Regional	33,485	
	Remote	20,624	
SA	Metro	2,249,532	2,908,000
	Inner Regional	462,778	
	Outer Regional	165,592	
	Remote	30,098	
VIC	Metro	3,752,300	5,404,115
	Inner Regional	1,266,658	
	Outer Regional	385,158	
	Remote	N/A	
NSW	Metro	5,054,857	7,110,879
	Inner Regional	1,246,835	
	Outer Regional	670,613	
	Remote	138,574	
QLD	Metro	4,852,139	7,565,422
	Inner Regional	1,925,451	
	Outer Regional	746,061	
	Remote	41,771	

| AUS	AREA	TOTAL (KG)	GRAND TOTAL (KG)
	Metro	17,838,724	25,154,451
	Inner Regional	5,034,258	
	Outer Regional	2,002,129	
	Remote	279,339	

COLLECTION, RECYCLING AND LOGISTICS

Collection partners and services

The cornerstone of each Co-regulatory Arrangement's requirements under the NTCRS is the provision of a free recycling service for the general public and small business in multiple locations across Australia. In 2016/17 TechCollect provided 186 services across Australia (165 permanent and 21 one-off events – see pages 26-27 for a full list) – this was 13 more services than in 2015/16.

- Of the permanent services, 64 were retailer-based sites

- The remainder were predominantly run in conjunction with Local Government and waste management organisations – ANZRP firmly believes all Local Governments should be part of the Scheme and offer their communities recycling services

- There were nine fewer events than in 2015/16, a reflection on the fact that volume and Reasonable Access requirements are both now being largely met through ANZRP's other channels

Particularly through permanent sites we ensured that the challenge of volume was successfully met throughout the year. B2B volume and e-waste sourced from Member companies also contributed to a positive result.
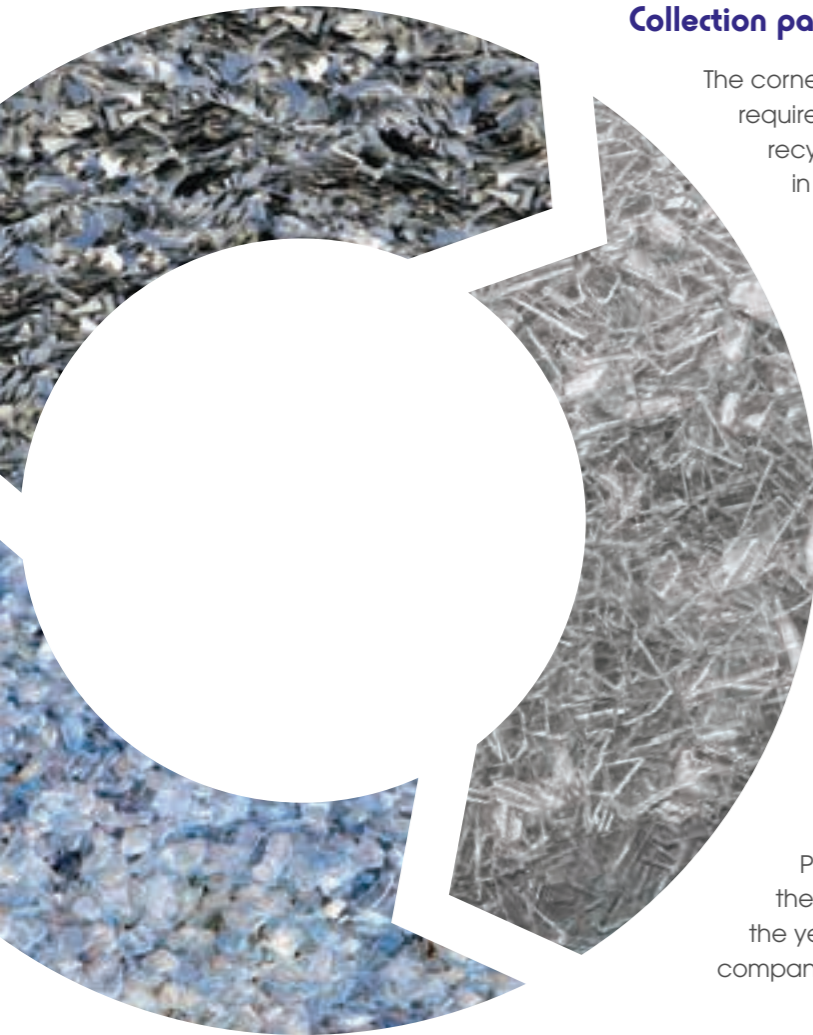
Logistics

As always, the vital link in the chain between our collection services and recyclers was logistics. Its role in the success of the TechCollect program was important, and these partnerships, above all with Toll Global Logistics, once again ensured that e-waste was efficiently and safely transported.

Our relationship with Toll continued to be multi-dimensional. The organisation also provided access to its vast network of depots and staff, some of which were used to host collection events.

In addition to Toll, the TechCollect program's transport movements were managed by numerous other service providers such as E-Waste Management Services, Direct Couriers and TSS Australasia, each of whom delivered an exceptional service. Several of our recyclers also provided logistical support.

Recyclers

Again highlighting the ongoing stability and integrity of our stakeholder relationships, ANZRP retained all its recyclers.

STATE	RECYCLERS
NSW	MRI Sims Recycling Solutions Tes-Amm Australia Tox Free (previously PGM)
QLD	CDS Endeavour Foundation E-Waste Recycling (new)
SA	Electronic Recycling Australia (previously Aspitech) E-Cycle Recovery
VIC	MRI Sims Recycling Solutions Tes-Amm Australia Tox Free (previously PGM)
WA	Total Green Recycling

Wisetek in Thailand was also used for recycling

ACHIEVING REGULATORY TARGETS

Volume recycled

In 2016/17 ANZRP recovered 24,790 tonnes from the recycling of products. Total recycled product, including materials sent for disposal, was 26,032 tonnes, which – when added to the volume excess of 436 tonnes carried forward from 2015/16 – created a final volume of 26,468 tonnes. This exceeded our 2016/17 liability of 25,295 tonnes by 1,173 tonnes, which will carry forward to 2017/18.

The volume was sourced from a range of channels. See Fig. 2: RECYCLING VOLUME CHANNELS for more information.

This successful result was again due to intensive planning and management of collections and channels to ensure that we didn't under-collect and – equally importantly – avoided significant over-collection.

A range of materials was recovered from the recycled e-waste. See Fig. 3: RECYCLING SPLITS for more information.

Fig. 2:
RECYCLING VOLUME CHANNELS (TONNES)

Member 9,146.54	35%
Event 124.03	>1%
Retail 23.05	>1%
Permanent 4,945.17	19%
Business 11,793.55	45%

Fig. 3:
RECYCLING SPLITS (TONNES)

OTHER 3% — 841.73
CIRCUIT BOARD 5% — 1,228.09
NON LEAD GLASS 11% — 2,747.02
LEAD GLASS 11% — 2,826.52
PLASTIC 26% — 6,487.43
METALS 44% — 11,041.44
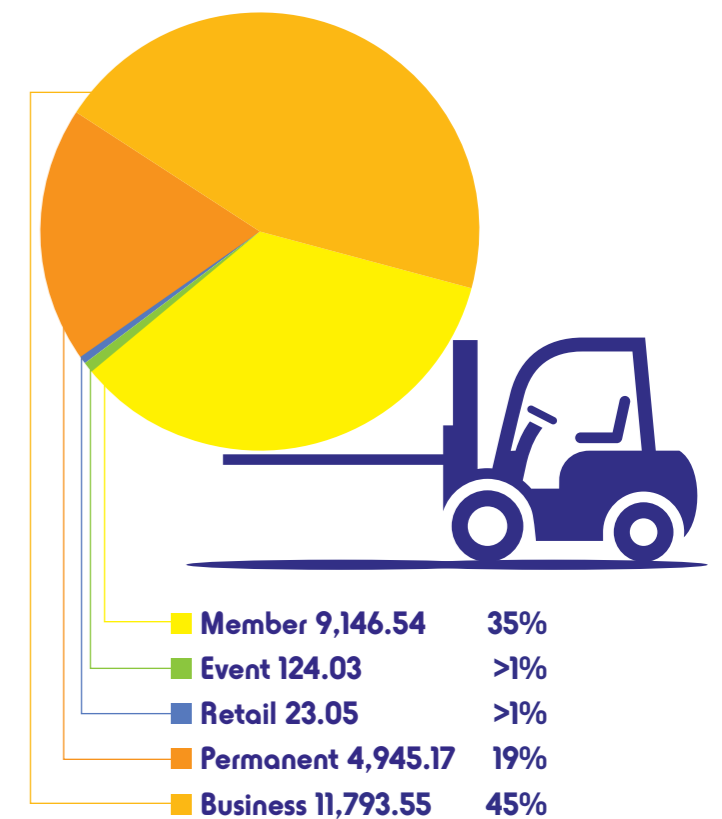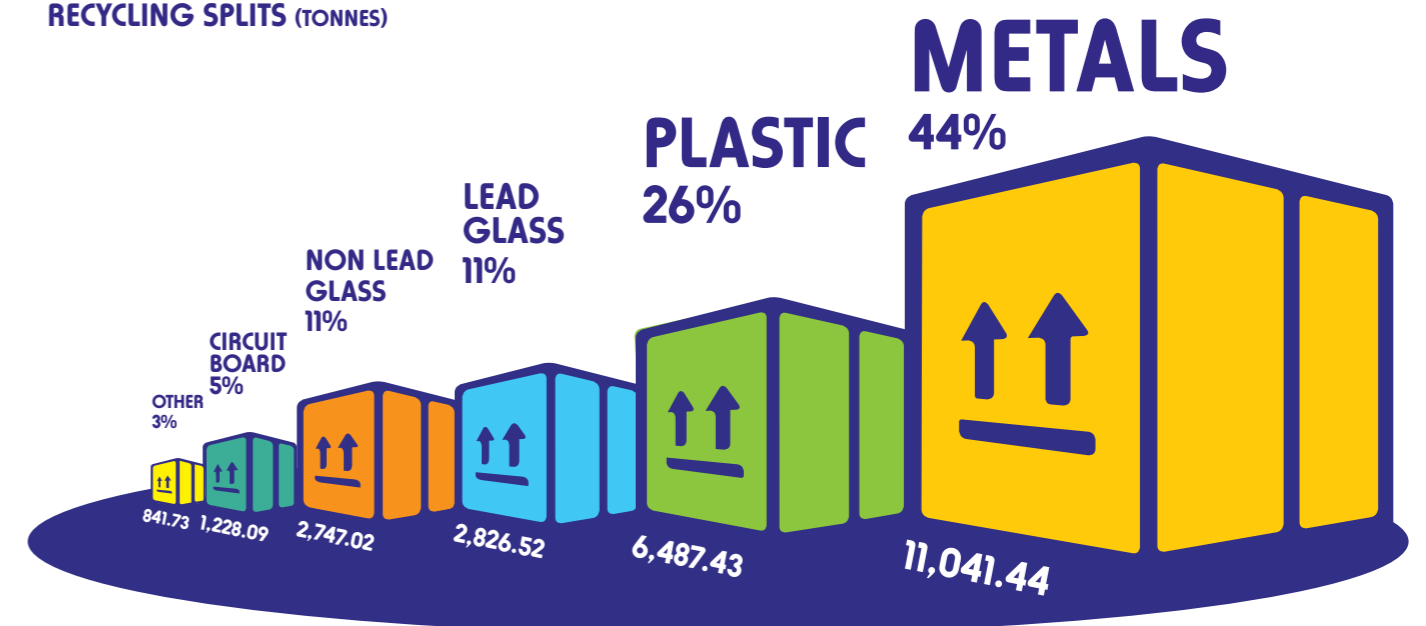
Reasonable Access

All CAs under the NTCRS need to provide Australians with Reasonable Access (RA) to a free e-waste drop-off service. The number of services and locations required are determined under the Regulations.

ANZRP achieved 100% RA through its 186 collection services. While a large number of services (74) was provided to metropolitan areas, regional Australia was covered through 77 services (44 to Inner Regional, 33 to Outer Regional) and remote Australia through 35 services.

The TechCollect program remained an impressively visible service far and wide across the continent.

Most notably, it continued to serve remote indigenous communities, particularly in the Northern Territory where 11 communities in regions such as Arnhem Land and Yirrkala (near Uluru) were provided with a year-round service.

In one particularly busy period in June, we conducted three TechCollect events over four days – Gepps Cross in South Australia, Newman in Western Australia and Queanbeyan in New South Wales.

We have recommended in our White Paper a system by which Product Stewardship organisations could share remote collection services to improve the offering and deliver greater efficiencies.

Fig. 4:
RECYCLED FRACTIONS EXPORTED (TONNES)

DESTINATION

China 5,068.95	56.1%	
India 635.33	7%	
Indonesia 2,156.11	23.9%	
Japan 782.17	8.7%	
Singapore 360.47	4%	
South Korea 18.01	0.2%	
Thailand 15.90	0.2%	

EXPORT

Fig. 5:
DOWNSTREAM MATERIAL RECOVERY (TONNES)

95.23%

TOTAL MATERIAL RECOVERED
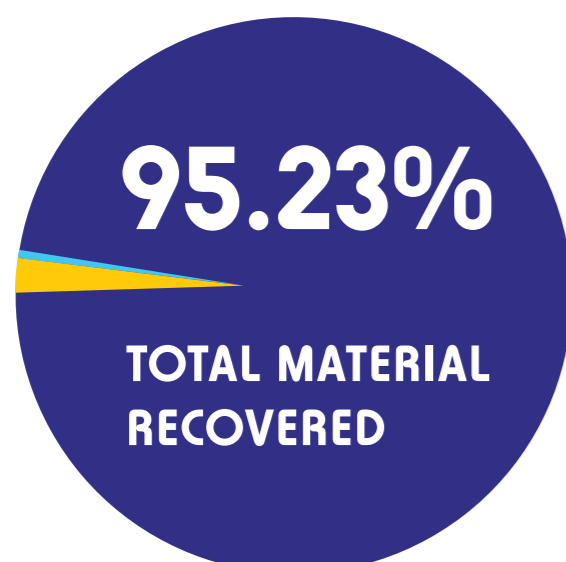
- Material recovered 26,032.34
- Landfilled domestic 685.51
- Landfilled overseas 81.42

Recovered volume does not include material processed but not shipped.

Fig. 6:
COLLECTION SERVICES AREAS

ACHIEVED
100% REASONABLE ACCESS

186 COLLECTION SERVICES

- Metro 39.78%
- Inner Regional 23.66%
- Outer Regional 17.74%
- Remote 18.82%

ENVIRONMENT AND SAFETY MANAGEMENT

ANZRP implements a rigorous Compliance and Assurance program to assess and manage HSE impacts across its supply chain. We are strongly focused on driving improvement in HSE standards and NTCRS outcomes, and actively work to that end. Key activities undertaken in 2016/17 are outlined below.

Internal

ANZRP has implemented and continually improves its Quality, Safety and Environment management system which is certified to ISO 9001:2015. Key activities undertaken this year included reviewing and updating HSE risk assessments and registers, legal compliance register, policies and procedures. We also conducted internal audits to check our conformance with our policies and procedures.

Collection partners

ANZRP performs HSE risk assessments of new TechCollect sites prior to accepting any e-waste. We also conducted desktop audits of 63 collection sites' policies and practices on the safe handling and storage of e-waste, with a focus on the requirements of AS/NZS 5377, risk assessments and hazard management procedures. In addition, we reviewed the results of audits of 36 shared retail sites. The audit results allowed us to continually improve the TechCollect program.

Recycling partners

ANZRP engages Environmental Resource Management (ERM) to conduct independent audits of its recyclers against AS/NZS 5377, ISO 14001 and AS/NZS 4801 and applicable Federal and State HSE legislation (all recyclers must pass this independent audit prior to becoming an approved recycler and then once every three years). In 2016/17, four recycling partners participated in independent site audits with positive results. ANZRP worked with each recycler to ensure timely and satisfactory resolution of corrective actions.

ANZRP also performed desktop audits of recyclers' material flow and recovery reports and downstream vendor audits against the requirements of AS/NZS 5377. We are pleased to have seen a commitment to improved data and information with solid downstream auditing and information flow. Soon we will be able to address transparency, in line with our White Paper recommendation for downstream vendors to comply with an international standard, and ideally with all Co-regulatory Arrangements adopting the service of a pool of approved independent auditors for recycler audits.

We also held quarterly meetings with key partners and received evidence of all partners' certification to AS/NZS 5377 and ISO 14001 and applicable insurance certificates.

Logistics

ANZRP participated in quarterly meetings with our Lead Logistics Provider (LLP) to ensure contractual obligations were upheld with regards to incident and risk management and HSE legal compliance. We also conducted desktop audits of our LLP and four other key logistics providers' policies and practices on the safe transport of e-waste, with a focus on the requirements of AS/NZS 5377 as well as applicable State and Territory HSE legislation, risk assessments and hazard management procedures. The results of the audits were positive, demonstrating compliance with relevant legislation and AS/NZS 5377.

HSE Incidents

Details of HSE incidents reported by ANZRP and its recycling, collection and logistics partners in 2016/17 are as follows:

- There were 64 health and safety incidents reported – zero were notifiable and two were Lost Time Injuries (LTIs), both reported by recycling partners as a result of manual handling

- There was one environmental incident reported (not notifiable) – by a recycling partner as a result of an accidental release of LPG to the environment from a forklift

- There were also 35 health and safety near-misses and two environmental near-misses reported

Life Cycle Assessment

ANZRP engaged Lifecycles to model environmental impacts associated with recycling one tonne of mixed television and computer waste using the Life Cycle Assessment methodology. The scope included collecting, transporting, recycling and downstream processing activities.

ANZRP is dedicated to working with the community and our partners to safely collect and recycle e-waste to achieve environmentally beneficial outcomes. Each year we conduct a life cycle assessment and perform due diligence activities to assess and manage the Health, Safety and Environment (HSE) impacts across our supply chain.

Fig. 7 (page 22) shows that the environmental impacts associated with collecting, transporting, recycling and processing the e-waste is entirely offset by the benefits associated with avoiding the production of virgin materials, in particular metals.
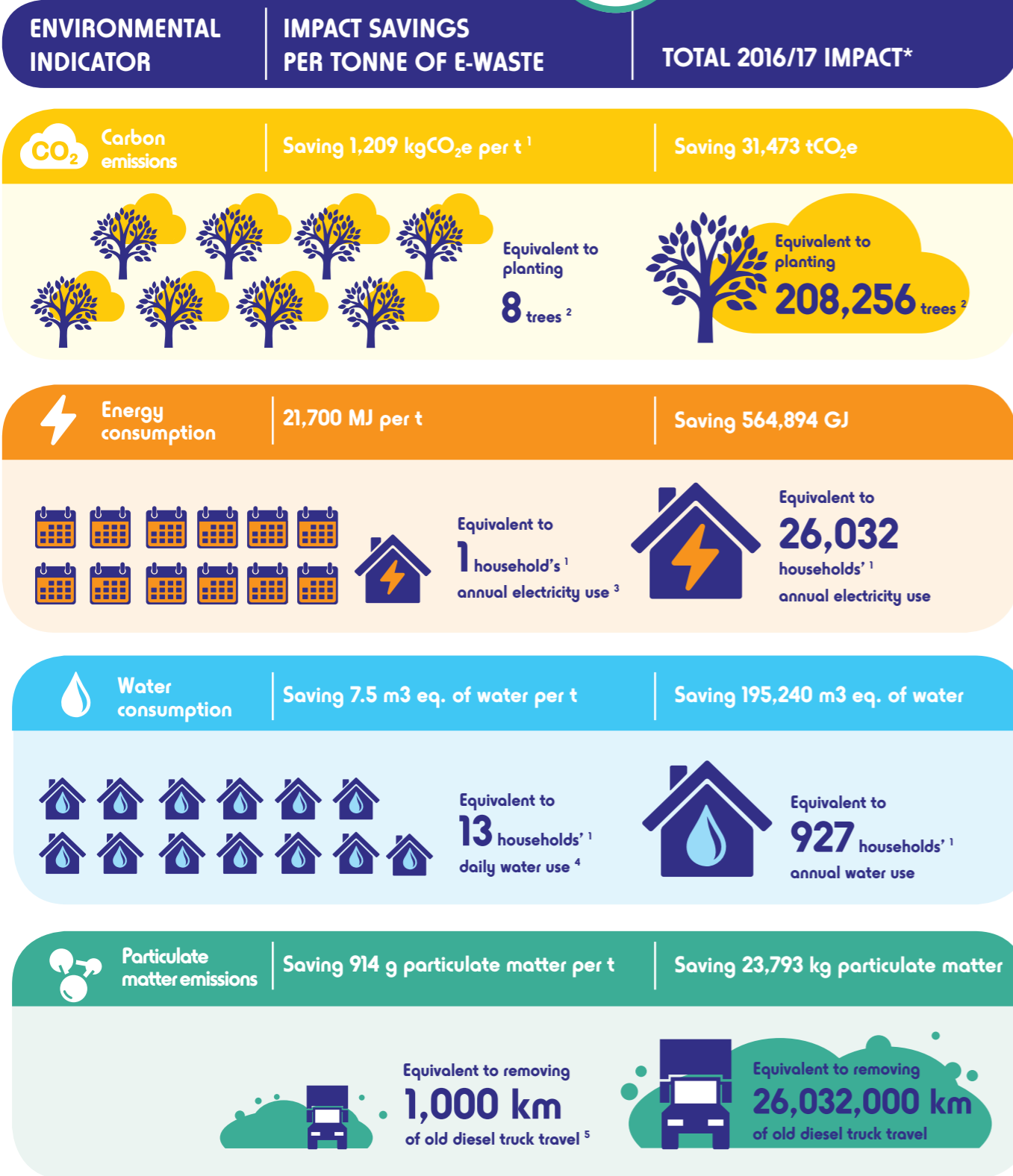
ENVIRONMENT AND SAFETY

Fig. 7: BENEFITS OF RECYCLING E-WASTE

SAVINGS

ENVIRONMENTAL INDICATOR	IMPACT SAVINGS PER TONNE OF E-WASTE	TOTAL 2016/17 IMPACT*
CO_2 Carbon emissions	Saving 1,209 $kgCO_2e$ per t [1]	Saving 31,473 tCO_2e
	Equivalent to planting **8** trees [2]	Equivalent to planting **208,256** trees [2]
Energy consumption	21,700 MJ per t	Saving 564,894 GJ
	Equivalent to **1** household's [1] annual electricity use [3]	Equivalent to **26,032** households' [1] annual electricity use
Water consumption	Saving 7.5 m3 eq. of water per t	Saving 195,240 m3 eq. of water
	Equivalent to **13** households' [1] daily water use [4]	Equivalent to **927** households' [1] annual water use
Particulate matter emissions	Saving 914 g particulate matter per t	Saving 23,793 kg particulate matter
	Equivalent to removing **1,000 km** of old diesel truck travel [5]	Equivalent to removing **26,032,000 km** of old diesel truck travel

* On the basis of 26,032 tonnes of e-waste being recycled by ANZRP

1 An improvement in the carbon benefit was calculated in 2016-17 compared to last year due to the use of better data (and not due to higher yields)

2 Based on 7 trees planted and grown for 30 years in a reforestation project by Carbon Neutral absorbing 1tCO2e – sourced from Carbon Neutral (https://carbonneutral.com.au/faqs/)

3 Based on the 2014 average household electricity usage in Australia of 5,817 kWh – sourced from Bill Republic (https://www.billrepublic.com/average-electricity-usage/)

4 Based on Australian household water consumption in 2014-15 of 1,852 GL – sourced from the Australian Bureau of Statistics ABS 4610.0 – Water Account, Australia, 2014-15 (http://www.abs.gov.au/ausstats/abs@.nsf/mf/4610.0)

5 Based on the European Emission Standards euro 3 (year 2000) diesel truck emission from the ecoinvent database

MARKETING AND COMMUNICATIONS ACTIVITIES

ANZRP continued to be the most active promoter of the NTCRS through its marketing and communication activity. We generated a significant level of awareness for the Scheme among a range of stakeholders including the general public, the waste and recycling industry, the broader Product Stewardship industry, media, academia and Local, State and Federal Governments.

In 2016/17 this proactive approach was particularly important, given the challenges in securing volume and the increasing tendency for the public to hold onto its e-waste rather than dropping it off at an NTCRS collection site.

Our PR agency Howorth was a key strategic partner in building awareness of our activities. Our creative agency Vitamin X played a key role in developing brand collateral.

GO ON AN E-WASTE HUNT!

"Can you spot the 9 devices in this house that will become e-waste when they're no longer needed? Circle all the ones you find! And remember, e-waste is old and unused devices, so don't throw out anything in your house that you're still using!"

NEXT STEP: Now you've found the future e-waste in this house, what about your house? Ask your Mum and Dad what could be taken to TechCollect for recycling! www.techcollect.com.au

Promoting the service and building the brand

The NTCRS requires each CA to ensure that the public has access to information about its collection services. TechCollect maintained an informative and user-friendly website in 2016/17 with details about its permanent and event services.

This website achieved a 54% increase in total sessions for 2016/17 vs. the previous year, and 80% were new user sessions, indicating that the TechCollect program was constantly securing new advocates.

However, in line with our broader Product Stewardship objectives, we did a great deal more to spread the word about our services and activities. Among our other initiatives for the year we:

• Conducted our second annual Young E-Waste Hero competition encouraging students to become e-waste ambassadors: this time around, at both primary and secondary level, with over 1,300 entries received via Facebook and a social media reach of over 362,000 people

• Conducted our second annual Waste Not, Want Not Day targeting the business community and workplaces across Australia – which achieved major awareness, including international reporting, at least 15 local pieces of coverage and a reach of over 120,000 people via social media

• Developed more educational collateral for schools, posted on our website and promoted via other channels (see Fig. 8)

• Conducted our first major sustained Facebook advertising, with a single campaign over a March long weekend reaching 270,000 people

• Extensively promoted numerous one-off TechCollect events and permanent sites via social media activity

• Supported collection services with individual marketing collateral, signage and advice

Thought leadership

Alongside activity directly related to collection services, we continued building ANZRP's credentials as a leading authority not just in the field of e-waste collection and recycling, but the broader scope of Product Stewardship in Australia.

In 2016/17 we:

• Conducted a Thought Leadership Forum on the topic of Product Stewardship

• Undertook development of the ANZRP White Paper as preparation for the Review of the Product Stewardship Act and NTCRS

• Participated in facilities management, sustainability and waste conferences across the country, including presentations and panels

• Secured multiple interviews with ANZRP CEO Carmel Dollisson in a range of media, both print and electronic

• Distributed regular Connections newsletters to Members

• Conducted regular Member forums to canvas Member insights and share information about the program

• Issued two versions of the ANZRP 2015/16 Annual Report, including (a) a version for Members and (b) a version for publication on the Regulator's website, and held an AGM for Members in October

• Participated in and drove many key events with other stakeholders and schemes in the Product Stewardship space

• Conducted surveys of our key stakeholders (Members and collection partners) to determine levels of satisfaction with the TechCollect program, with extremely positive results (our Member survey indicating an overall satisfaction level of 93%)

• Focused consistently on Member retention and acquisition strategies

• Sponsored Planet Ark's Recycling Near You website

A major component of our marketing and communications activity in 2016/17 was to increase the emphasis of our key messages on the fact that TechCollect is not only a free, but industry-funded, service. In this way we ensured an increasing level of recognition for our Member companies and their critical role in supporting responsible recycling in Australia.

Permanent and Event Collection Services
1 July 2016 – 30 June 2017

LOCATION	STATUS	STATE / TERRITORY	LOCATION	STATUS	STATE / TERRITORY	LOCATION	STATUS	STATE / TERRITORY	LOCATION	STATUS	STATE / TERRITORY	LOCATION	STATUS	STATE / TERRITORY	LOCATION	STATUS	STATE / TERRITORY
Queanbeyan	Event	ACT	Moree	Permanent	NSW	Booval (Ipswich)	Permanent	QLD	Thursday Island	Permanent	QLD	Wallaroo	Permanent	SA	Shepparton	Permanent	VIC
Queanbeyan	Event	ACT	Mortdale	Permanent	NSW	Bowen	Permanent	QLD	Toowoomba	Permanent	QLD	Whyalla	Permanent	SA	Vermont South	Permanent	VIC
Auburn	Event	NSW	Moruya	Permanent	NSW	Bowen	Permanent	QLD	Townsville	Permanent	QLD	Willowie	Permanent	SA	Warrnambool	Permanent	VIC
Concord	Event	NSW	Moss Vale	Permanent	NSW	Browns Plains	Permanent	QLD	Tweed Heads	Permanent	QLD	Yankalilla	Permanent	SA	Waurn Ponds	Permanent	VIC
Concord	Event	NSW	Mount Druitt	Permanent	NSW	Buderim	Permanent	QLD	Willawong	Permanent	QLD	Invermay	Event	TAS	Wodonga	Permanent	VIC
Frenchs Forest*	Event	NSW	Nth Wollongong	Permanent	NSW	Bundaberg	Permanent	QLD	Winton	Permanent	QLD	Spreyton	Event	TAS	Newman	Event	WA
Homebush West*	Event	NSW	Silverwater	Permanent	NSW	Bundaberg	Permanent	QLD	Witta	Permanent	QLD	St Helens	Event	TAS	Tom Price*	Event	WA
Merrylands	Event	NSW	Stotts Creek	Permanent	NSW	Bundall (Southport)	Permanent	QLD	Yandina	Permanent	QLD	Barretta	Permanent	TAS	Wedgefield	Event	WA
St Ives *	Event	NSW	Tamworth	Permanent	NSW	Caboolture	Permanent	QLD	Gepps Cross	Event	SA	Croydon	Event	VIC	Albany	Permanent	WA
St Peters*	Event	NSW	Taree	Permanent	NSW	Caloundra	Permanent	QLD	Beverley	Permanent	SA	Southbank	Event	VIC	Balcatta	Permanent	WA
Strathfield*	Event	NSW	Wagga Wagga	Permanent	NSW	Capalaba	Permanent	QLD	Bordertown	Permanent	SA	West Melbourne	Event	VIC	Bandy Creek	Permanent	WA
Albury	Permanent	NSW	Walgett	Permanent	NSW	Clontarf	Permanent	QLD	Cambrai	Permanent	SA	Braeside	Permanent	VIC	Bayswater	Permanent	WA
Armidale	Permanent	NSW	Wetherill Park	Permanent	NSW	Emerald	Permanent	QLD	Ceduna	Permanent	SA	Breakwater	Permanent	VIC	Broome	Permanent	WA
Barham	Permanent	NSW	Woy Woy	Permanent	NSW	Gladstone	Permanent	QLD	Cummins	Permanent	SA	Camberwell	Permanent	VIC	Bunbury	Permanent	WA
Bennetts Green	Permanent	NSW	Young	Permanent	NSW	Glenella	Permanent	QLD	Gepps Cross	Permanent	SA	Coburg	Permanent	VIC	Carnarvon	Permanent	WA
Blaxland	Permanent	NSW	Angurugu	Permanent	NT	Goondiwindi	Permanent	QLD	Gladstone	Permanent	SA	Dandenong	Permanent	VIC	Derby	Permanent	WA
Broken Hill	Permanent	NSW	Darwin	Permanent	NT	Gracemere	Permanent	QLD	Glen Osmond	Permanent	SA	Dandenong	Permanent	VIC	Fremantle	Permanent	WA
Cobar	Permanent	NSW	Galiwinku	Permanent	NT	Gympie	Permanent	QLD	Goolwa	Permanent	SA	Dandenong South	Permanent	VIC	Henderson	Permanent	WA
Coffs Harbour	Permanent	NSW	Gapuwiyak	Permanent	NT	Kenilworth	Permanent	QLD	Hahndorf	Permanent	SA	Daylesford	Permanent	VIC	Kalgoorlie	Permanent	WA
Croydon Park	Permanent	NSW	Ilparpa – A/Springs	Permanent	NT	Kippa Ring	Permanent	QLD	Loxton	Permanent	SA	Eaglehawk	Permanent	VIC	Karratha	Permanent	WA
Dalmeny	Permanent	NSW	Katherine	Permanent	NT	Loganholme	Permanent	QLD	Mount Gambier	Permanent	SA	East Brighton	Permanent	VIC	Kununurra	Permanent	WA
Dubbo	Permanent	NSW	Katherine	Permanent	NT	Mapleton	Permanent	QLD	Port Lincoln	Permanent	SA	Forge Creek	Permanent	VIC	Narngulu	Permanent	WA
Griffith	Permanent	NSW	Marngarr	Permanent	NT	Maryborough	Permanent	QLD	Renmark West	Permanent	SA	Hoppers Crossing	Permanent	VIC	Narrogin	Permanent	WA
Ingleside	Permanent	NSW	Milingimbi	Permanent	NT	Mitchell	Permanent	QLD	Rostrevor	Permanent	SA	Horsham	Permanent	VIC	Red Hill	Permanent	WA
Inverell	Permanent	NSW	Milyaburra	Permanent	NT	Moranbah	Permanent	QLD	Roxby Downs	Permanent	SA	Lardner	Permanent	VIC	Vasse	Permanent	WA
Katoomba	Permanent	NSW	Nhulunbuy	Permanent	NT	Mt Isa	Permanent	QLD	Seaford Heights	Permanent	SA	Malvern	Permanent	VIC	Walliston	Permanent	WA
Kelso	Permanent	NSW	Ramingining	Permanent	NT	Nudgee	Permanent	QLD	St Agnes	Permanent	SA	Moonee Ponds	Permanent	VIC			
Kincumber	Permanent	NSW	Tennant Creek	Permanent	NT	Pinkenba	Permanent	QLD	Strathalbyn	Permanent	SA	Moorabbin	Permanent	VIC			
Kotara	Permanent	NSW	Umbakumba	Permanent	NT	Portsmith	Permanent	QLD	Tailem Bend	Permanent	SA	Narre Warren	Permanent	VIC			
Lismore	Permanent	NSW	Yirrkala	Permanent	NT	Rocky Point	Permanent	QLD	Tumby Bay	Permanent	SA	Noble Park	Permanent	VIC			
Maitland East	Permanent	NSW	Beewah	Permanent	QLD	Roma	Permanent	QLD	Two Wells	Permanent	SA	Notting Hill	Permanent	VIC			
Matraville	Permanent	NSW	Bli Bli	Permanent	QLD	The Common	Permanent	QLD	Waikerie	Permanent	SA	Nunawading	Permanent	VIC			

For a full list of TechCollect's current collection service locations, visit www.techcollect.com.au

* Member run event

MEMBER ABN	MEMBER NAME	DATE JOINED	DATE LEFT
64007444368	ALPINE ELECTRONICS OF AUSTRALIA PTY LTD	01/07/16	NA
46002510054	APPLE PTY LTD	14/05/12	NA
17001393835	BROTHER INTERNATIONAL (AUST) PTY LTD	27/04/12	NA
37612814509	BYD PRECISION MANUFACTURE CO LTD	01/07/16	NA
66005002951	CANON AUSTRALIA PTY LTD	19/04/12	NA
52050332940	CISCO SYSTEMS AUSTRALIA PTY LTD	29/05/12	NA
50453748355	COMPAL ELECTRONICS INC	12/05/17	NA
83218750498	COMPETITION TEAM IRELAND LTD	02/07/12	NA
62744218254	COSMOSUPPYLAB LTD	01/07/16	NA
46003855561	DELL AUSTRALIA PTY LTD	27/04/12	NA
89718746791	DELL GLOBAL B.V. (SINGAPORE BRANCH)	27/04/12	NA
40167252806	ELGIN ESTATES PTY LTD	01/07/15	NA
78502141245	EMC INFORMATION SYSTEMS INTERNATIONAL	17/04/12	NA
80097843724	EPOSODE DATA SOLUTIONS PTY LTD	01/07/16	NA
91002625783	EPSON AUSTRALIA PTY LTD	16/04/12	NA
38114305494	FOXCONN AUSTRALIA PTY LTD	27/04/12	NA
30289772870	FOXLINK INTERNATIONAL INC	22/02/17	NA
26103964629	FUJI XEROX ASIA PACIFIC PTE LTD	10/05/12	NA
94063886199	FUNTASTIC LTD	24/12/14	NA
74001016593	GOODSON IMPORTS PTY LTD	12/11/12	NA
24166764763	AOPEN AUSTRALIA & NEW ZEALAND PTY LTD	30/01/17	NA
74004394763	HEWLETT-PACKARD AUSTRALIA PTY LTD	20/04/12	NA
13878074746	HON HAI PRECISION INDUSTRY CO LTD	27/04/12	NA
16603480628	HP PPS AUSTRALIA PTY LTD	01/07/16	NA
49103793380	HUAWEI TECHNOLOGIES (AUSTRALIA) PTY LTD	25/09/15	NA
79000024733	IBM AUSTRALIA LTD	29/05/12	NA
78139853544	KING WORLD DEVELOPMENTS PTY LTD	22/08/13	NA
77003852444	KYOCERA DOCUMENT SOLUTIONS AUSTRALIA PTY LTD	31/05/12	NA
54113965825	LASER CORPORATION HOLDINGS PTY LTD	15/11/12	NA
86050148466	LEXMARK INTERNATIONAL (AUSTRALIA) PTY LTD	15/05/12	NA
28800834040	LEXMARK INTERNATIONAL TECHNOLOGY SA	01/07/15	NA
59547297213	MICROSOFT REGIONAL SALES CORPORATION	15/05/12	NA
91058914784	MULTIMEDIA TECHNOLOGY PTY LTD	20/06/12	30/6/17
21006075216	OKI DATA AUSTRALIA PTY LTD	01/07/16	NA
47092364719	PLASTIC INJECTION COMPANY PTY LTD	20/06/17	NA
14171054462	PRIMAX ELECTRONICS LTD	03/04/12	NA
82456481234	QISDA CORPORATION	30/05/12	NA
66305473245	QUANTA COMPUTER INC	15/05/12	NA
73009403356	RS COMPONENTS PTY LTD	01/07/16	NA
11000614577	SCHOLASTIC AUSTRALIA PTY LTD	21/06/12	NA
74297651095	SEKTOR LIMITED PARTNERSHIP	01/07/16	NA
85169418197	SOFTLAYER TECHNOLOGIES AUSTRALIA PTY LTD	01/07/15	NA
27571860044	SUZHOU RAKEN TECHNOLOGY CO LTD	12/12/13	NA
88069944930	THERMOMIX IN AUSTRALIA PTY LTD	01/07/16	NA
33006122676	THE REJECT SHOP LTD	01/07/15	NA
24476738279	THE TRUSTEE FOR COM 1 UNIT TRUST	01/07/15	NA
48519435863	THE TRUSTEE FOR HUANG & ZHANG FAMILY TRUST	01/07/15	NA
49097104492	THE TRUSTEE FOR THE COAST RV UNIT TRUST	22/06/12	NA
18084618543	TOP VICTORY INVESTMENTS LTD	14/06/12	NA
19001320421	TOSHIBA (AUSTRALIA) PTY LTD	24/04/12	NA
64009686097	TOYOTA MOTOR CORPORATION AUSTRALIA LTD	24/08/12	NA
51008895047	VIX TECHNOLOGY (AUST) PTY LTD	01/07/16	NA
40111699819	WESTAN AUSTRALIA PTY LTD	01/07/16	NA
16962466872	WISTRON CORPORATION	14/06/12	NA
95160015654	YOTSUBA PTY LTD	17/01/17	30/06/17

ANZRP
AUSTRALIA NEW ZEALAND
RECYCLING PLATFORM

Level 6, 30 Collins St,
Melbourne, VIC 3000

T +613 9020 2222
F +613 8609 1269

www.anzrp.com.au

TechCollect
Recycling e-waste responsibly

www.techcollect.com.au
twitter.com/TechCollect
facebook.com/TechCollect

TechCollect is the official
recycling program
of ANZRP under the
National Television and
Computer Recycling Scheme.