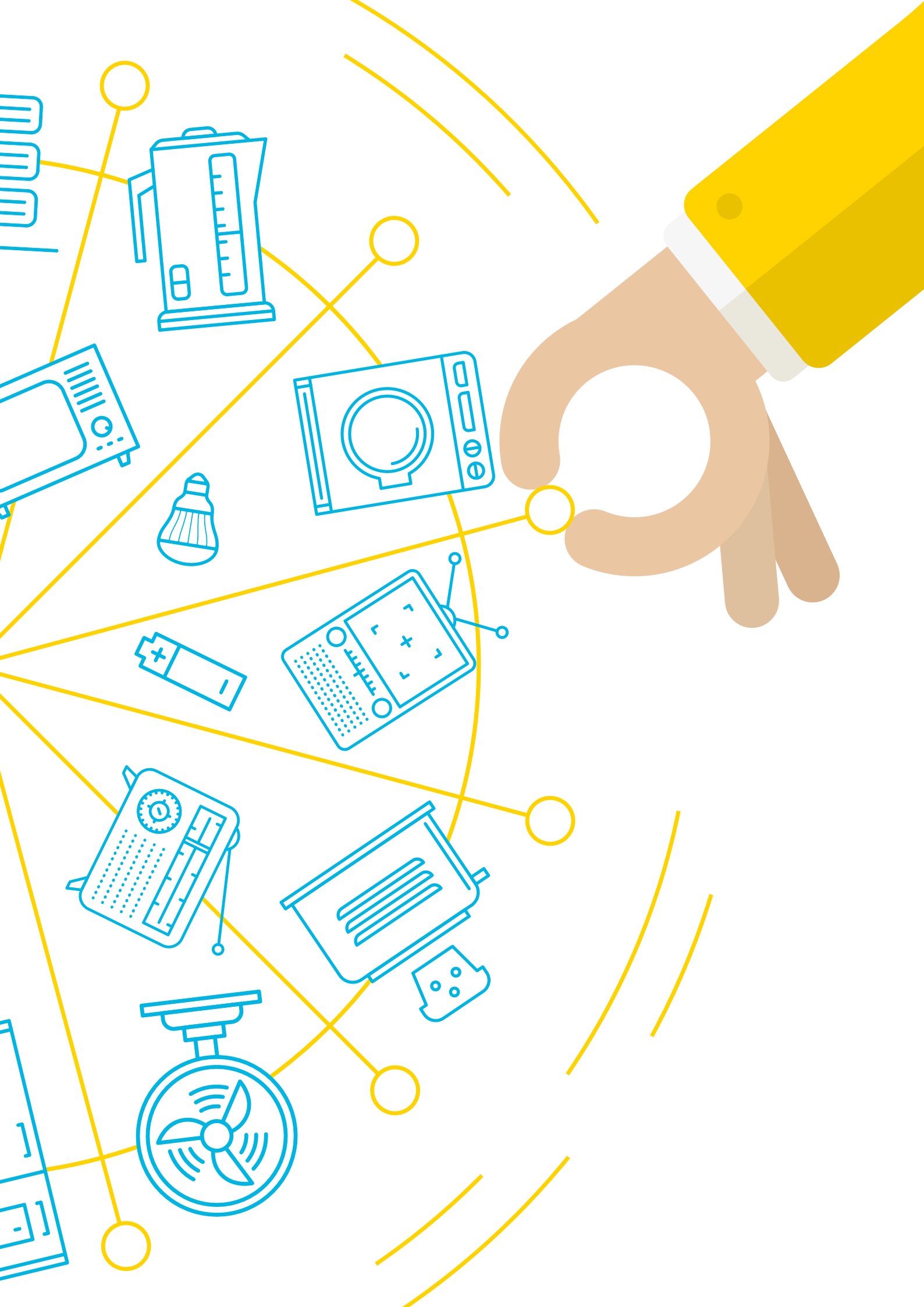


# WEEE IRELAND ANNUAL ENVIRONMENTAL REPORT TWENTY EIGHTEEN

A quality WEEE and Battery recycling system provides a safety net for developing a circular WEEconomy in Ireland and a more resource efficient future.





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# Chairman's Letter



## Dear Members, Minister and Stakeholders,

As this Annual Report shows, 2018 was a year of further growth for the WEEE Ireland Scheme, with increases in membership, collection tonnes and overall activity. This highlights the continuing dedication to service and compliance solutions which the Scheme demonstrates in operating under its Ministerial approval.

The successful operations in 2018 were undertaken against a challenging backdrop of volatile commodity markets, uncertainty in the British and Irish marketplaces and the continued increases in targets required under the framework of the European WEEE and Battery Directives.

The long-term financial, operational and compliance strategy overseen by the Board of Directors and implemented by the CEO and management team continues to provide the framework for WEEE Ireland's activities on behalf of its Membership. WEEE Ireland is a not for profit Scheme operating in the national interest on behalf of local industry. The publication of this Annual Report is part of our continuing commitment to transparency in communications within the WEEE system. Additionally, the financial and operational reports we provide to DCCAE and the EPA in co-operation with their regulatory oversight, give detail on all activity managed by our Scheme on behalf of its Members. I look forward to engaging with the Minister and his officials during the upcoming interim review of the Scheme's operations scheduled for 2019, to discuss relevant matters with a view to a continued improvement of our national system.

The 2019 review will come at a critical time for Ireland as WEEE targets from all operators must achieve 65% collection rates during the year. The implementation of the mandatory WEEELABEX quality standard for recycling gives Producers assurance in their Scheme of choice, supporting their customers in recovery of e-waste. The best in class approach utilised by WEEE Ireland must be supported by effective enforcement and regulation across all other operators.

The Board of Directors includes sector representatives from across the spectrum of the electrical and battery industry, alongside independent persons. I thank them all for their service to the Scheme during 2018, and in particular Dr Claire Penny from IBM, together with Patrick Lynch and Michael O'Shea, Independent Directors as they retire from the Board. I also extend a welcome to new Directors Áine Higgins, Siemens and Herbert Sharkey, BSH Home Appliances who joined the Board during the year.

The feature Member's event in October 2018 showcased the position of WEEE Ireland and its stakeholders on the European stage; it is always the Members of WEEE Ireland that are foremost in mind in the governance and management of this Compliance Scheme. I thank the Members for their continued support of WEEE Ireland as the largest WEEE and Battery Scheme in the country, and will endeavour with my fellow directors to justify their endorsement during 2019.

Yours sincerely,

**Declan Moylan,**  
Chairman, WEEE Ireland

# CEO's Report



## Dear Members,

I write this letter in early 2019, with the 65% national WEEE collection target approaching as set down under the 2012 WEEE Directive. When I reflect on our 2018 activity it is with the knowledge that we are futureproofing the e-waste system in Ireland to reach our Members' share of EU targets, and transition to a more circular economy with the strength of 14 years of successful history and experience behind us. I am pleased to announce in 2018 we achieved the 65% rate for collection of household and dual use WEEE as placed on the market by our Members, one year ahead of schedule. We collected 48% of the waste portable batteries placed on the market by our Members, again exceeding the 45% collection target.

Despite the WEEE Ireland continued dominance in the marketplace as the Scheme of choice for 76% of Producer volumes in Ireland, the 2019 national targets will require input from all stakeholders and those acting outside of the WEEE Ireland Scheme, including those in the professional appliances (B2B) sector. We will continue to work with the Department of Communications, Climate Action and Environment, the EPA and other stakeholders through the engagement platforms of the National Waste Forum and WEEE & Battery Monitoring Group. We will collaborate to improve and innovate in our collective efforts to reach national targets as a benchmark for a functioning and high-quality system.

Working with Local Authorities to pick up more WEEE from Civic Amenity sites and collection events and encouraging more people to become involved in recycling in their community, remain important parts of our strategy. I would encourage the Irish Government to include planning for more Local Authority Recycling Centres across Ireland as part of the strategic investment priorities under Project Ireland 2040.

I have to thank the Irish electrical retailers for their ongoing support since 2005 in extending the national recycling network as part of their WEEE regulatory take back obligations. Again, last year retailers were our single biggest collection channel.

## Quality

Perhaps the most important data from 2018 is the continued exceedance of recovery rate targets by the Scheme's recycling partners. Over 83% of material that is collected by the Scheme is recovered for use again in manufacturing through both indigenous operators and specialist downstream processors in Europe. We support a national system that mandates quality standard treatment of WEEE by all operators as we understand the inherent risks involved managing hazardous waste. It also requires a level playing field in the enforcement of standards, and we endorse a continued mandatory standard for WEEE recycling in Ireland and its application across Europe.

## Members First

WEEE Ireland is the national Scheme run by our Members for our Members; we are a Scheme for all Producers big and small. I welcome our new 91 Producers who have chosen WEEE Ireland as their preferred and trusted Scheme for WEEE and Battery compliance certification in Ireland. We'd like to thank all our 970 Members in 2018 for the trust they have placed in the Scheme knowing that we will deliver a professional and legally compliant solution for all your Producer responsibilities.

We continued last year to work very closely with our European colleagues through the WEEE Forum and EUCOBAT, where we exchange ideas on best practice, discuss current challenges and review pending legislation. WEEE Ireland is also in the position to provide Pan-European compliance support through our international association with both WEEE Europe and PV Cycle.

## Highlights

One of the calendar highlights in 2018 for WEEE Ireland was the hosting of our International E-waste Week Conference in The Mansion House, Dublin. Maria Banti from the EU Commission was our keynote speaker, along with representatives from major EU trade associations and national experts. During the conference we discussed the challenges facing compliance in Europe including the effective recycling of recovered resources from WEEE,

POPS (Persistent Organic Pollutants) in Plastics, lead glass from waste screens and the recovery of critical raw materials. EERA (European Electrical Recyclers Association) highlighted the investment required to achieve EU recycling standards and the additional cost of compliant recycling as opposed to non-compliant processes.

“**When I reflect on our 2018 activity it is with the knowledge that we are futureproofing the e-waste system in Ireland to reach our Members' share of EU targets, and transition to a more circular economy with the strength of 14 years of successful history and experience behind us**”

#### Challenges Ahead

Although we have managed to collect 65% of WEEE placed on the market by our Members in 2018, in order to exceed the EU collection target of 65%, we need to collect an additional 12% of WEEE this year. This is as a result of increased volumes of electrical appliances put onto the market in the past three years. In addition, the lighter weight of some new products; such as flat panel TVs compared to older CRT box televisions, reduces the weight of WEEE coming back for recycling. These factors will make the national achievement of 65% collection rate more difficult to reach in the coming years.

2019 will see the start of the new open scope and new category listings of EEE placed on the market. This will increase the volume of WEEE that will have to be collected to meet targets. More focus will have to be put on the management and documentation of B2B WEEE which will be particularly challenging as more of their products come into scope. Tracking the flow of material will prove difficult due to the longer life span of professional equipment. All stakeholders need to take responsibility for this category of WEEE, if Ireland is to meet its overall 2019 targets for WEEE compliance.

The focus for 2019 will also be on the new recast of the Battery Directive. We can expect some fundamental changes in this revised Directive as the evolution of battery power develops with Lithium batteries being used in IT equipment, electric vehicles and power packs. The chemical type and the extended life cycle of these new developments poses great challenges for battery compliance.

Every year we look at how we improve health and safety within WEEE Ireland and the operations of our recycling partners. In 2018 we commissioned a report by JLT consultants on safety procedures around the collection and handling of WEEE and Batteries. This year we engaged a Safety Consultant to implement the recommendations of the report improving the overall safety of operations within the WEEE Ireland network. With new ADR regulations around the transport of WEEE and waste batteries developing, further steps have been taken with the purchase of ADR approved metal fireproof containers for the transport of damaged lithium batteries.

We look forward to the long-term future of compliance in Ireland, with special emphasis on the implementation into Irish law in 2020 of the new Landfill and Waste Framework amended Directives that were published in 2018 by EU Commission. The new Directives support the transition to a Circular Economy with a focus on waste prevention and resource efficiency including how best this can be achieved through EPR (Extended Producer Responsibility). The new EPR rules favour the use of modulated fees where customers would be made aware of the eco-criteria of a product on purchase through the visibility of environmental fees. This is a positive step for those Members whose trade associations favour the use of visible fee.

#### Team Effort

Once again I'd like to thank the team at WEEE Ireland for their support during the year delivering a world class compliance solution to our Members. The renewal of our ISO 14001:2015 certification with no observations at audit, underpins their commitment to excellence to the Scheme. I'd also like to thank the Board of Directors for their input and careful governance during the year. A varied crossbody industry representation including Producers and independent experts on our Board, ensures all electrical and batteries sectors are advocated for. Finally, a very special word of thanks to our Chairman Declan Moylan on his active support to the organisation throughout 2018.

#### Keep Recycling for Good,

**Leo Donovan**

**CEO, WEEE Ireland**



# Results

2018 in Numbers



# WEEE Collection Results

## WEEE Targets

By 2019 Ireland needs to demonstrate a WEEE system where 65% of e-waste placed on the market is collected for responsible environmental management, with high recovery rates across all categories of equipment.

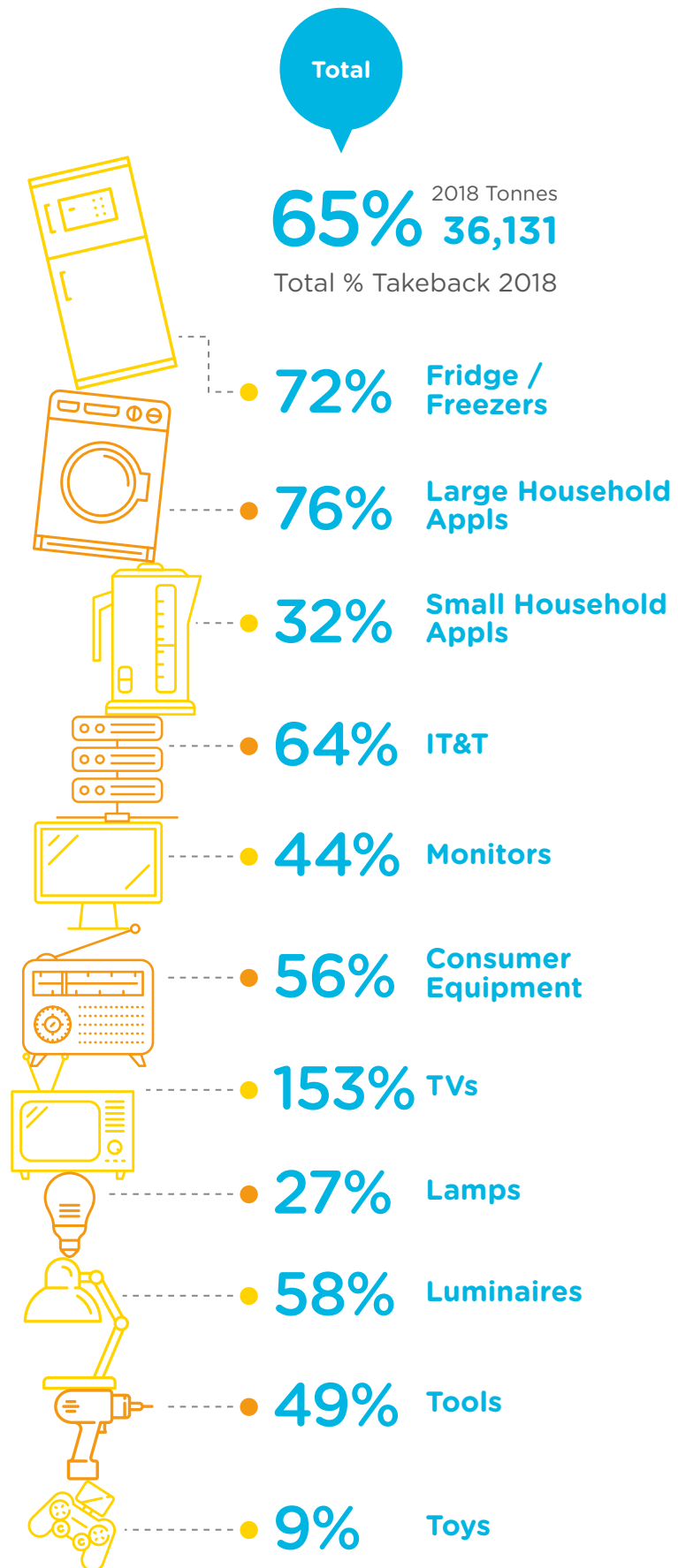
WEEE Ireland is working towards achieving our Members' share of this national target for WEEE in the Republic of Ireland.

**36,131**  
tonnes of WEEE were collected by WEEE Ireland for recycling in 2018

This represents 65% of all household and dual use EEE placed on the market by WEEE Ireland Members equating to an average of 10.2 kg per person in our designated collection area<sup>1</sup>.

While WEEE Irelands activity accounts for 67%<sup>3</sup> of the total WEEE system, other operators need to work towards the national target including B2B Producers of professional and business equipment.

## WEEE Ireland Members B2C Takeback Rate by Category 2018<sup>2</sup>



<sup>1</sup> Population within WEEE Ireland Collection area based on 2016 Census [www.cso.ie](http://www.cso.ie)  
<sup>2</sup> WEEE Ireland Collection rate is calculated as a percentage of WEEE collected for recovery by the Scheme compared to the average weight of EEE placed on the market by Members as reported to the Producers Blackbox in the preceding 3 years  
<sup>3</sup> <https://ec.europa.eu/eurostat/web/waste/recycling-rate-of-e-waste> In 2016 51,303 tonnes of WEEE was reported as collected by Ireland for recycling and recovery with WEEE Ireland responsible for 34,482 tonnes (67%).

## Benchmark

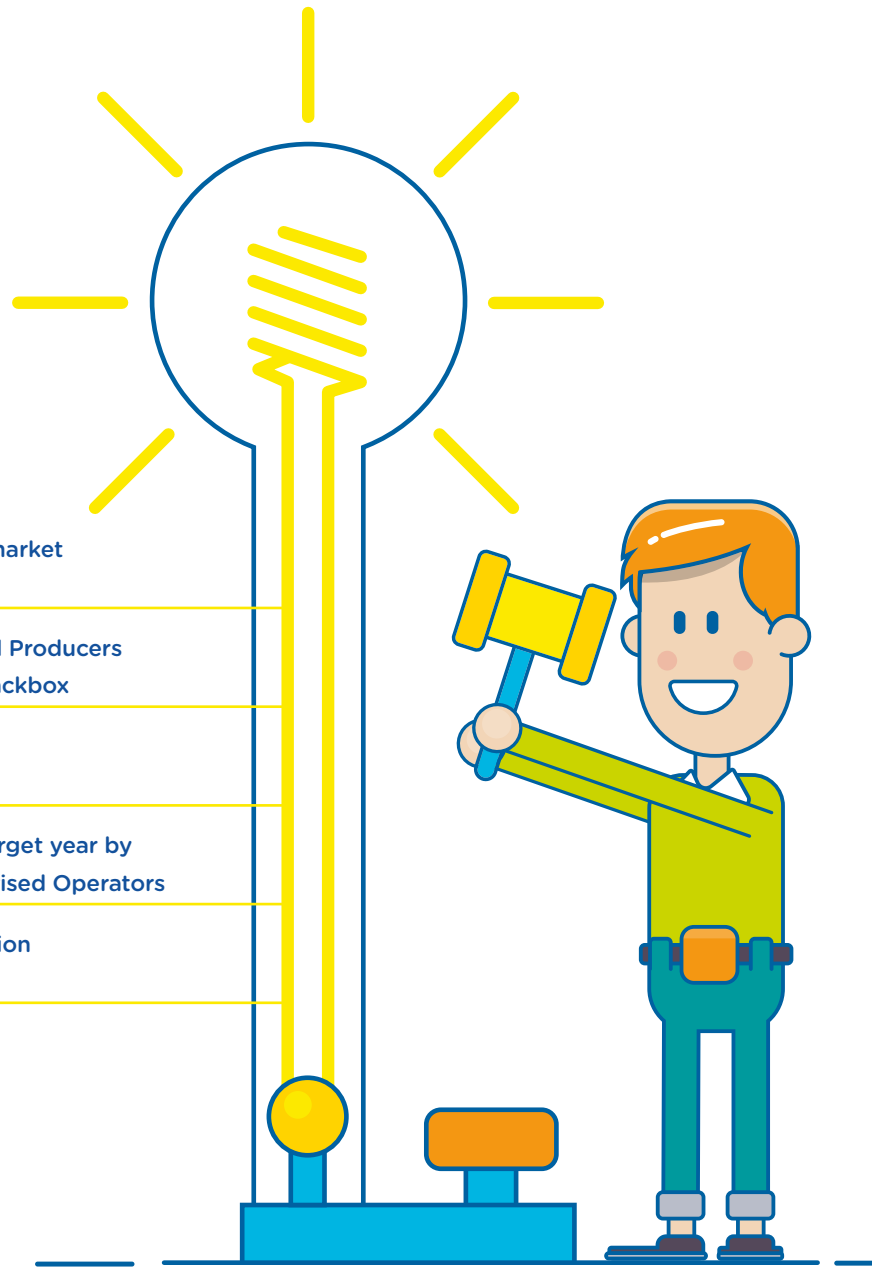
As the largest Scheme for collection of household and dual use WEEE in the Irish marketplace, WEEE Ireland accounts for two thirds of national collection activity. As Ireland is a competitive marketplace there are other Scheme approvals and B2B self-compliance options in operation. Achievement of 65% takeback rates for Ireland across this national system will therefore require other operators in both the household and professional WEEE sector to play their part.



“ The most recently published national data available gives Ireland **50% recycling rate** for 2016 activity<sup>4</sup>. ”

## Key influences on 2019 target achievement

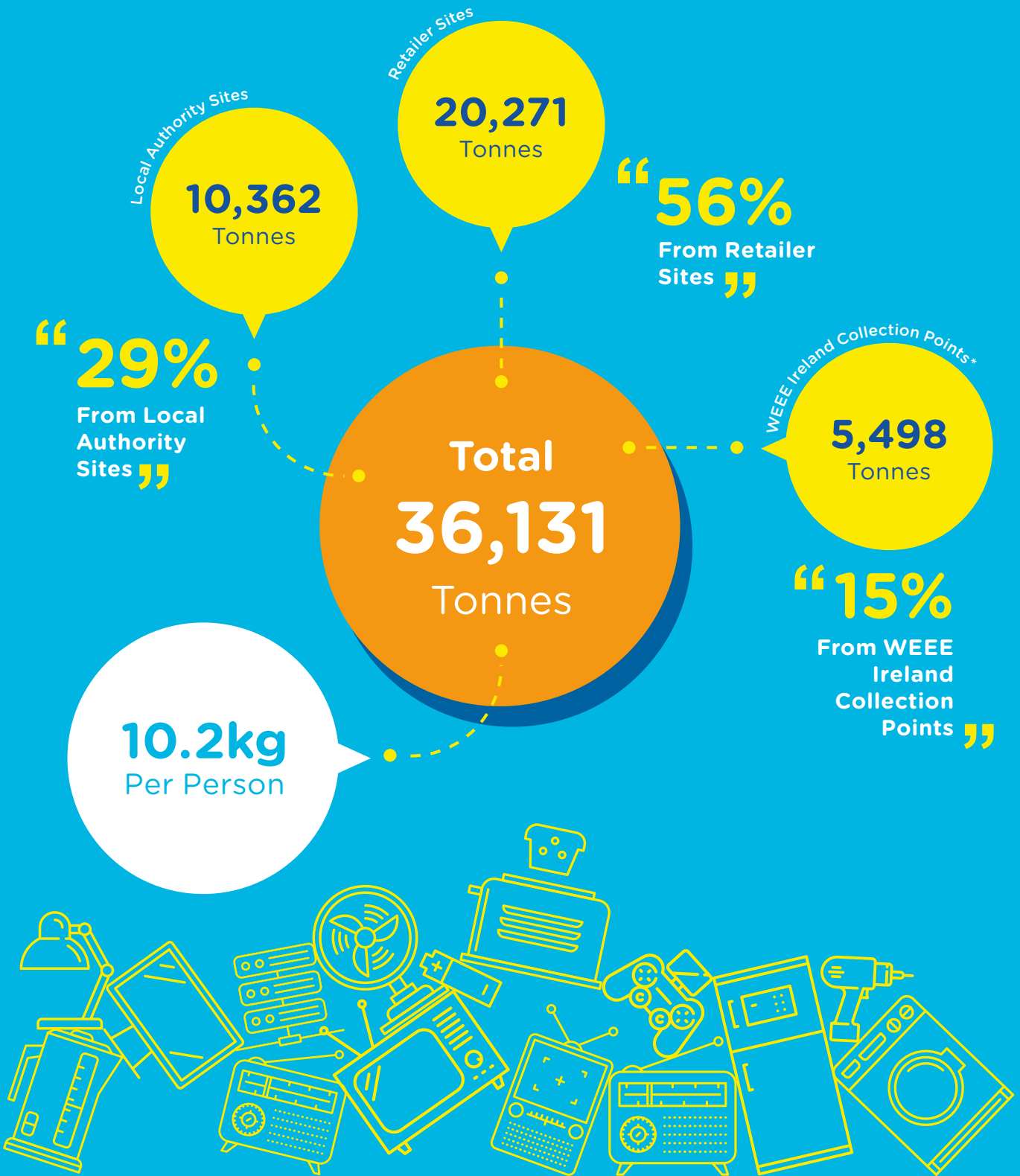
- Volumes of EEE placed on the market in previous years
- Accuracy of data reported by all Producers to the Producer Register Ltd Blackbox
- Lifespan of EEE to end of life
- Volume of WEEE collected in target year by Producers, Schemes and Authorised Operators
- Amount of unauthorised collection and leakage from the system



<sup>4</sup> <https://ec.europa.eu/eurostat/web/waste/recycling-rate-of-e-waste>



# WEEE Ireland Collection Data



# WEEE Collection Points

WEEE Ireland coordinates collections of waste electrical and electronic equipment via three core channels:  
**Retailers, Civic Amenity Sites and other WEEE Ireland Collection Points.**

- For the fourth year in succession there has been an increase in the weight of WEEE collected from Retailer collection points, from 19,251 tonnes in 2017 to 20,272 tonnes in 2018
- 15% of WEEE taken back through special events includes public collection days, along with WEEE collected through waste industry partners, workplace events and through the education sector
- WEEE Ireland collected 10,362 tonnes of WEEE from civic amenity sites



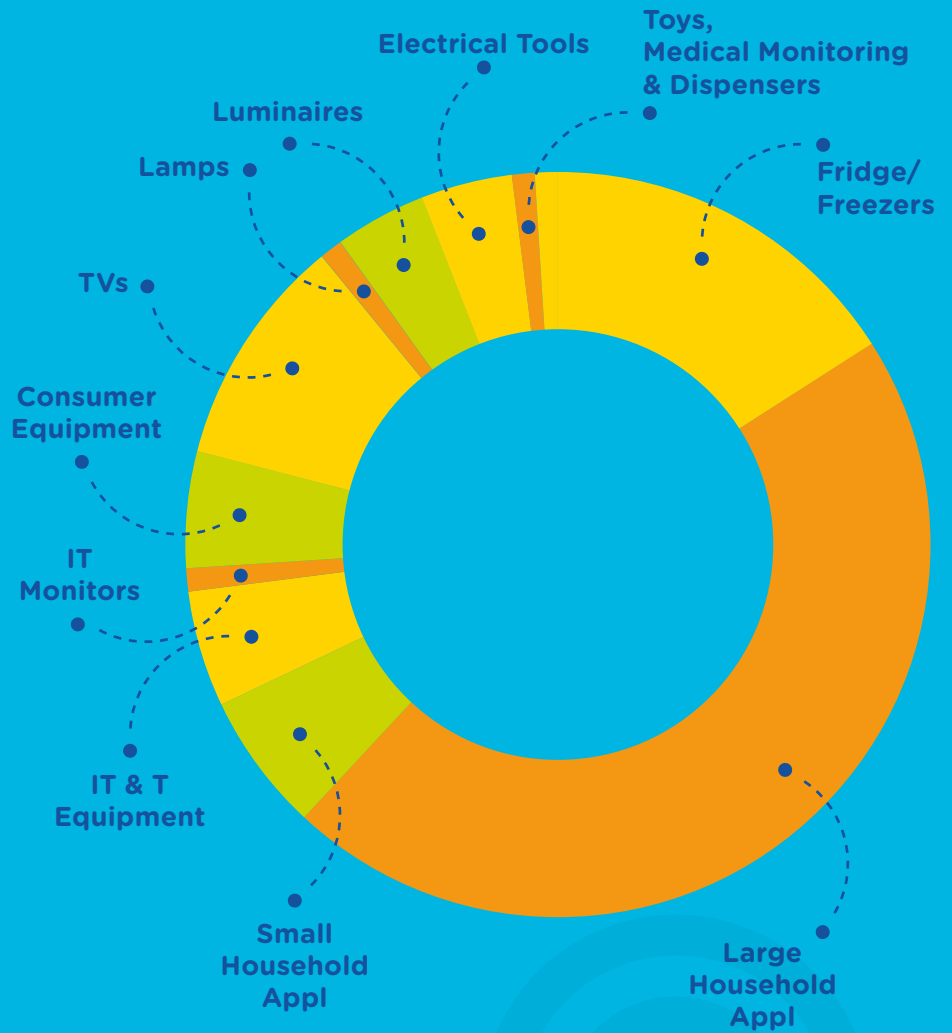
## Collection per Category 2018

### Tonnes and Percentage by Category

Category	2018 Tonnes	2018 % Tonnes
Fridge/Freezers	5,926	16.4%
Large Household Appliance	17,342	48.0%
Small Household Appliances	2,054	5.7%
IT & T Equipment	1,886	5.2%
IT Monitors	247	0.7%
Consumer Equipment	1,763	4.9%
TVs	3,459	9.6%
Lamps	426	1.2%
Luminaires	1,402	3.9%
Electrical Tools	1,394	3.9%
Toys	175	0.5%
Medical, Monitoring & Dispensers	57	0.1%
<b>Total</b>	<b>36,131</b>	<b>100%</b>

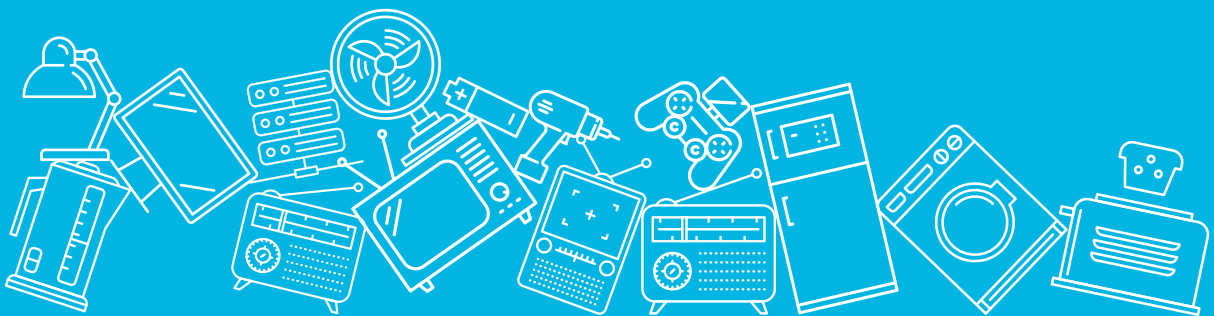
## Breakdown of WEEE by Category

- 16.4% Fridge/Freezers
- 48.0% Large Household Appliances
- 5.7% Small Household Appliances
- 5.2% IT & T Equipment
- 0.7% Monitors
- 4.9% Consumer Equipment
- 9.6% TVs
- 1.2% Lamps
- 3.9% Luminaires
- 3.9% Electrical Tools
- 0.6% Toys / Medical Devices / Monitoring / Dispensers



## The continuing increase of WEEE taken back from retailer sites reflects a number of trends in activity during 2018:

- Continuation of *We'll take it back* goodwill programme with Electrical Retailer Groups
- Dedicated WEEE Ireland executive working with Collection Points around Ireland
- Ongoing engagement with key Retailer brands, buying groups and trade associations
- Active marketing campaigns by WEEE Ireland to drive footfall to collection points







# WEEE Collections, Units per Family

# 17,000,000+

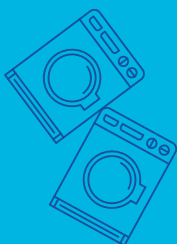
An estimated 17million+ WEEE appliances were collected for recycling by WEEE Ireland in 2018 including:

## Fridges



**120,000**  
Estimate Units

## Large Household Appliances



**325,000**  
Estimate Units

## Mixed WEEE



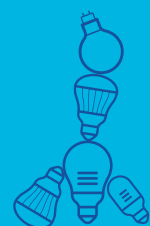
**13 million**  
Estimate Units

## Televisions & Monitors



**195,000**  
Estimate Units

## Lamps<sup>5</sup>



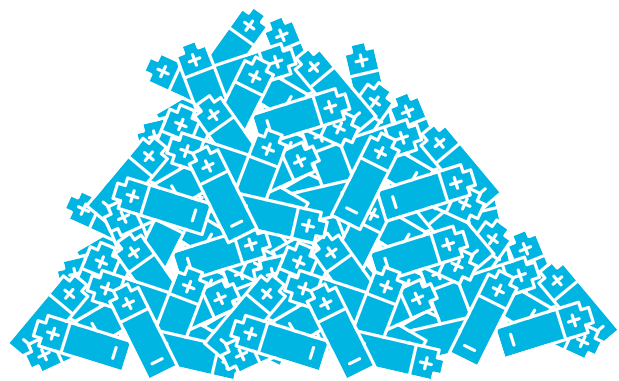
**3.2 million<sup>6</sup>**  
Estimate Units

<sup>5</sup> Gas discharge lightbulbs including energy saving compact and longer fluorescent tubes.  
<sup>6</sup> WEEE Ireland collects and measures in tonnes but estimated units are calculated based on 'Placed on the Market' (POM) Blackbox reported data and sampling information from WEEE recycling facilities.



# Battery Collection Results

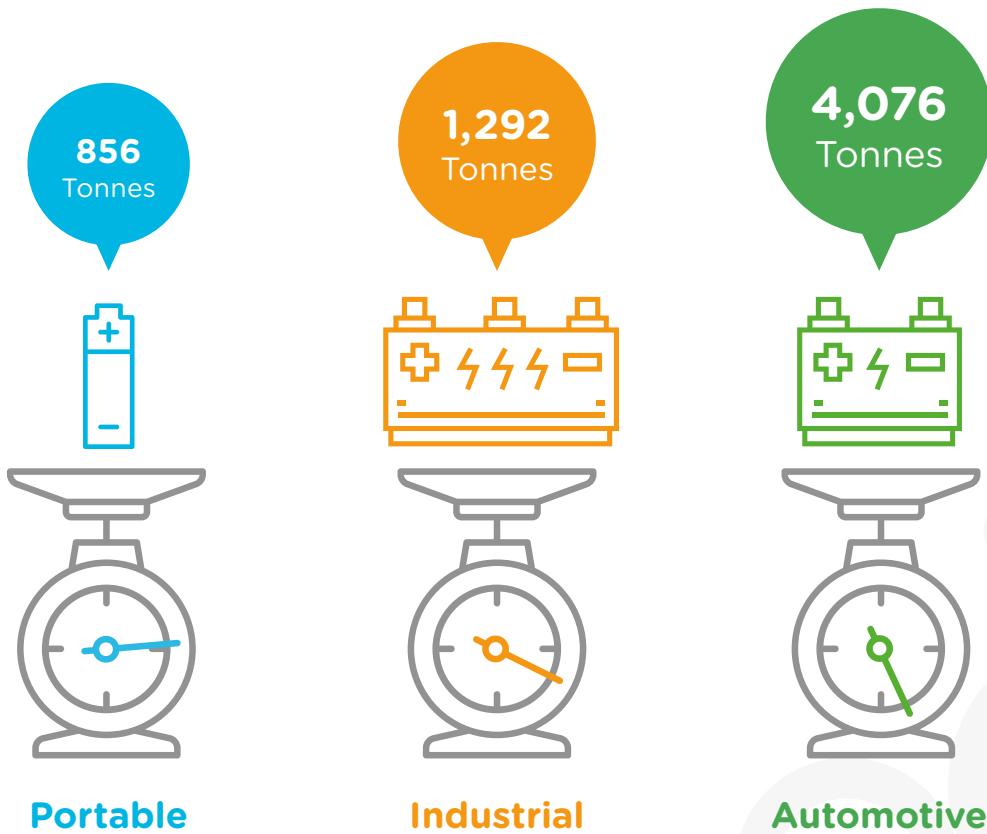
“ In 2018 WEEE Ireland achieved a **48% waste portable battery collection rate** on behalf of Members, once again surpassing the EU target of 45%<sup>7</sup>. ”



**856 tonnes**  
Collected by WEEE Ireland 2018

<sup>7</sup> The collection rate is calculated on the basis of the total weight of portable waste batteries (PWB) collected in the respective year expressed as a percentage of the average weight of portable batteries placed on the market (PoM) in the respective year and two preceding years:  $\text{Collection rate } y_i = \frac{\text{PWB collected } y_i}{(\text{PoM } y_i + \text{PoM } y_{i-1} + \text{PoM } y_{i-2}) / 3}$ .

## Collections by Battery Type



“ WEEE Ireland is the only Scheme in Ireland to offer Compliance and take back solutions to all Battery Producers - Portable, Industrial and Automotive ”

**Waste Automotive batteries** - lead acid batteries - are taken back by a panel of Scheme approved collectors, who in turn are audited by WEEE Ireland to validate the TFS export for recycling and recovery of this waste stream.

In 2018 WEEE Ireland engaged with SIMI (Society of the Irish Motor Industry) and ELVES (End-of-Life Vehicles Environmental Services) to continue to develop solutions for end of life electric vehicle batteries (EV) which will arise in growing numbers at collection points in the future.

**Waste Industrial batteries** can arise from numerous sources including farm fence batteries taken back at Co-ops and collection days, waste UPS batteries from the tech sector, lead acid waste batteries from forklifts and other traction batteries.







“ What do I do with waste portable batteries?

## Put them in the WEEE Ireland Blue Battery Box! ”

WEEE Ireland’s dedicated Battery Box merchandisers work across our collection area to ensure collection points have blue boxes on display for their customers and support takeback when they are full. Smaller *My Battery Boxes* are made available through schools and participating retailers to support collection of batteries around the home and can be brought back to local retail shops and recycling centres when full.



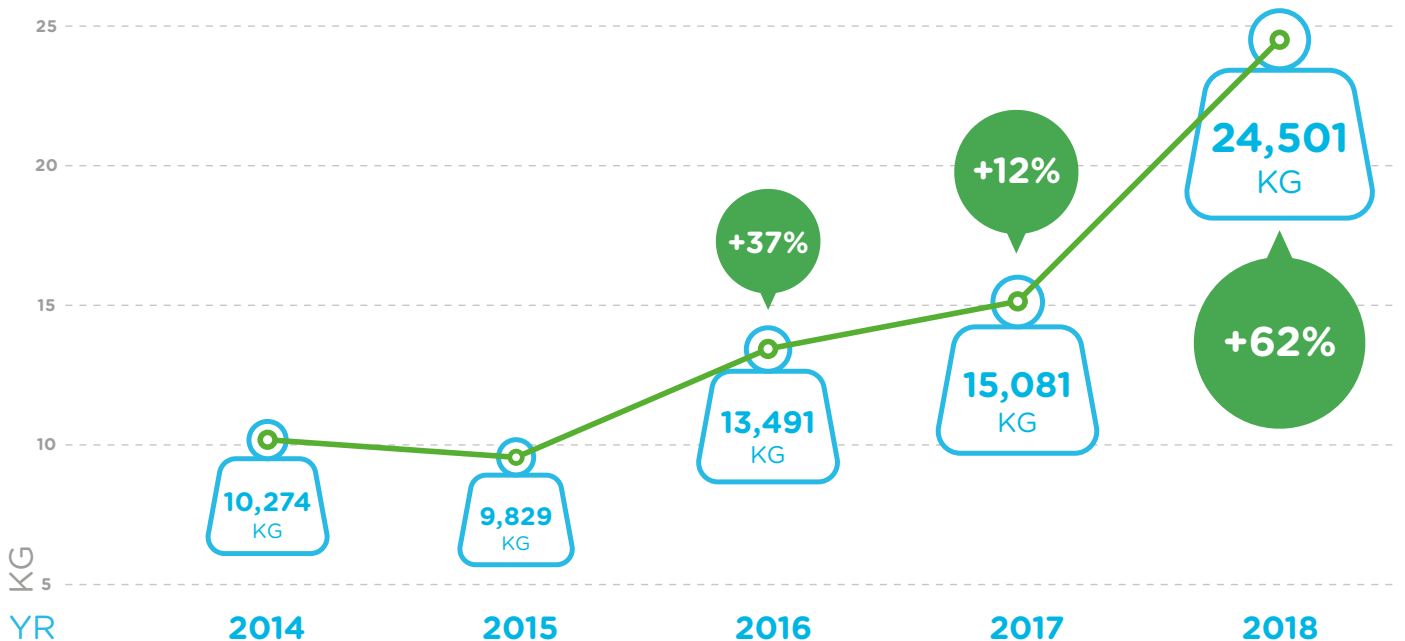


## The Lithium Challenge

Takeback of waste Lithium batteries by WEEE Ireland has increased over the last 5 years. This has required significant investment in safety equipment and staff training by the Scheme and contractor battery collection teams to support a safe environment for the management of this waste stream including:

- Revised battery safety sheet for collection points
- 'LiBa' containers in collection vehicles to facilitate Lithium battery collections
- 'Firesafe' installed in vehicles to facilitate damaged Lithium batteries for transport

The use of Lithium batteries continues to increase as it is incorporated into more tech devices, small household appliances, scooters, bikes, toys and other consumer equipment by Producers. Lithium batteries have an extended life span of at least seven years, so large volumes of these batteries have yet to be returned for recycling. The potential for high energy discharge remains when consumers have finished with their batteries and devices, so it is important they are not hoarded or improperly stored before recycling. The risks associated with waste lithium batteries increase if incorrectly disposed of with other waste streams. They require specialist sorting, packaging and waste shipment before treatment.





## Batteries from WEEE

### Best Practice: Removal of Batteries from WEEE

We introduced a change in the WEEE system in 2018 by introducing another screening step and increasing depollution for WEEE identified as containing batteries in the pre-sort process. The Mixed WEEE recycling facility in KMK Metals in Tullamore extracts waste batteries from WEEE and the additional screening provides a cleaner output of these batteries earlier in the process. This minimises damage from the WEEE processing, which in turn supports better recycling and recovery rates of both WEEE and battery streams.

“ Since 2014, the Mixed WEEE recycling facility has recovered **over 200 tonnes** (the equivalent of 8 million AA batteries) of waste portable batteries that would otherwise be lost from national waste battery statistics ”

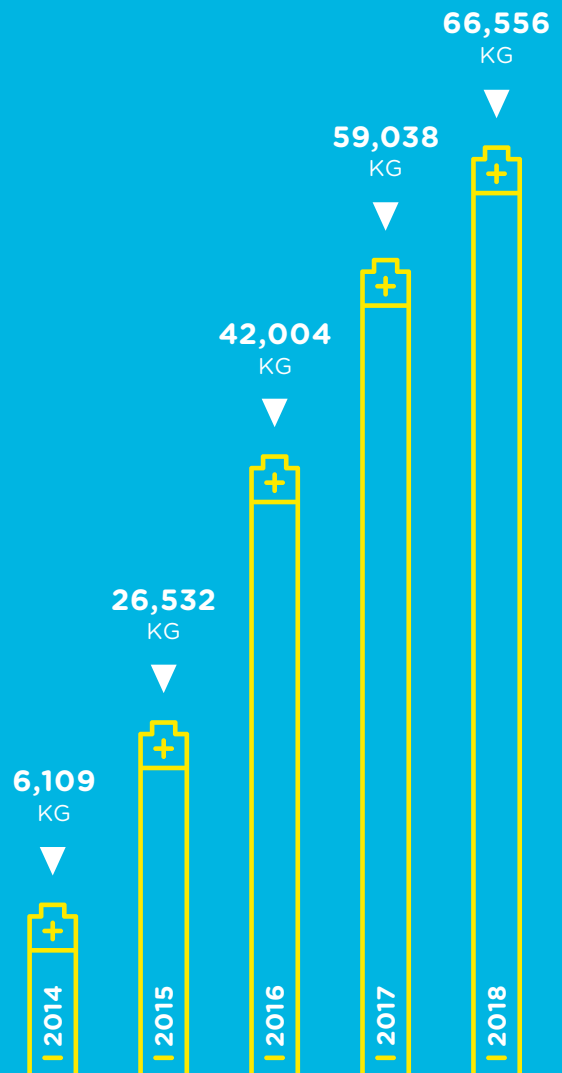
It is important that all operators in the WEEE management process operate to the highest standards for depollution and separation of waste portable batteries. The WEEELABEX certification of KMK Metals Mixed WEEE plant in Tullamore enables and validates this high-quality requirement.

### Mixed WEEE Processing

Only portable waste batteries have a collection rate target defined in the 2006 Batteries Directive<sup>8</sup>. WEEE Ireland also manages a national programme for the Industrial and Automotive sector. The forthcoming recast of the Battery Directive in 2020 is likely to include recycling targets for more types and chemistries of waste batteries.



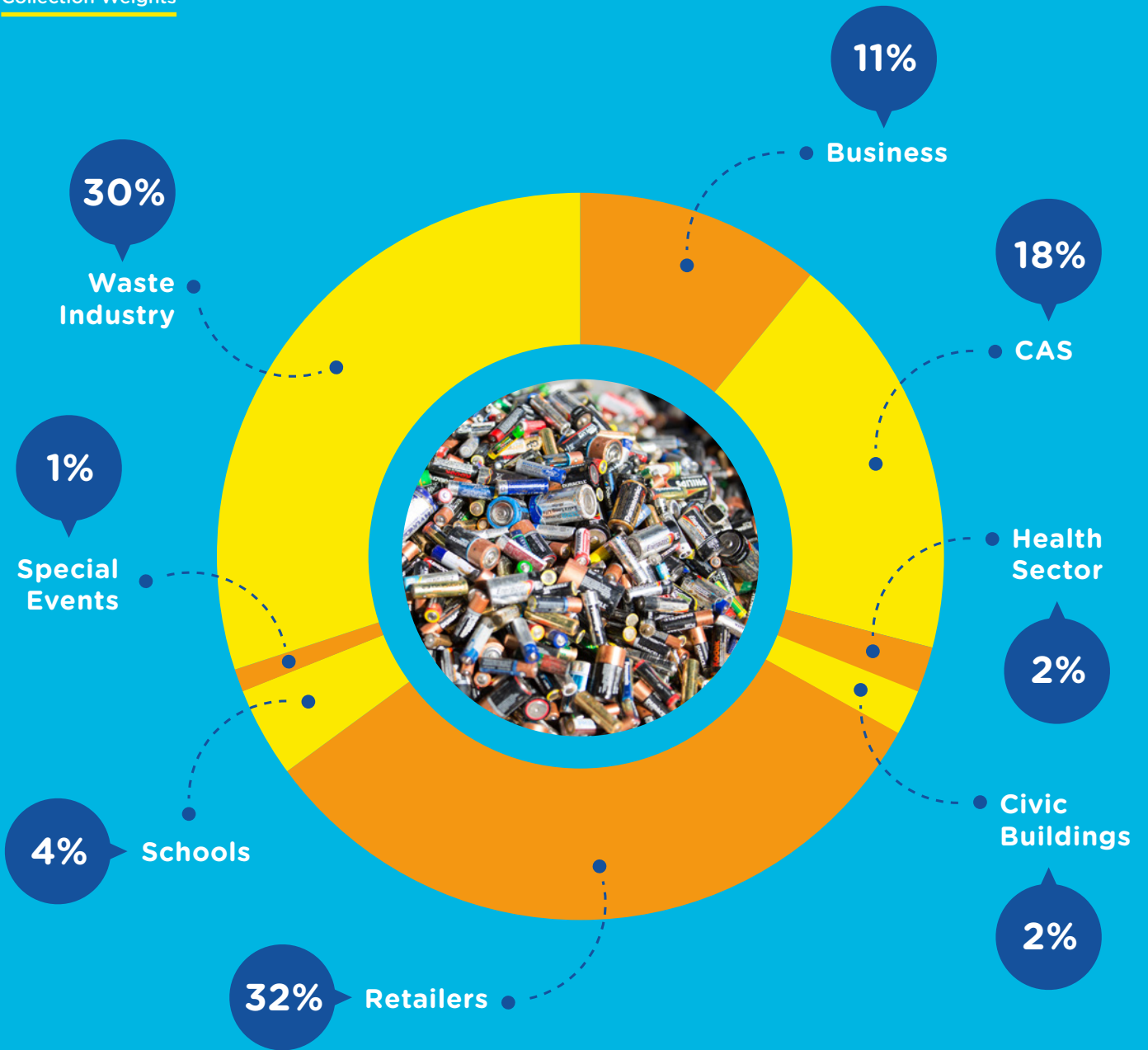
8,000,000



<sup>8</sup> The collection rate is calculated on the basis of the total weight of portable waste batteries (PWB) collected in the respective year expressed as a percentage of the average weight of portable batteries placed on the market (POM) in the respective year and two preceding years:  $\text{Collection rate } Y_i = \text{PWB collected}_Y / ((\text{POM}_Y + \text{POM}_{Y-1} + \text{POM}_{Y-2}) / 3)$ .

# Collection Point Data

## Collection Weights



## Where are waste batteries generated from?

- Houses, Schools and Workplaces
- Industry
- WEEE Ireland Retail Partners
- 3 WEEE Ireland Merchandisers
- Special WEEE Ireland Collection Events
- Core WEEE Collection Programme
- Waste Industry



## Line of Sight

“ Tullamore is the centre of WEEE Irelands portable waste battery operations! ”



At their licensed facility KMK Metals Recycling sort waste batteries by chemistry for proper classification, notification, packaging and labelling prior to shipment.

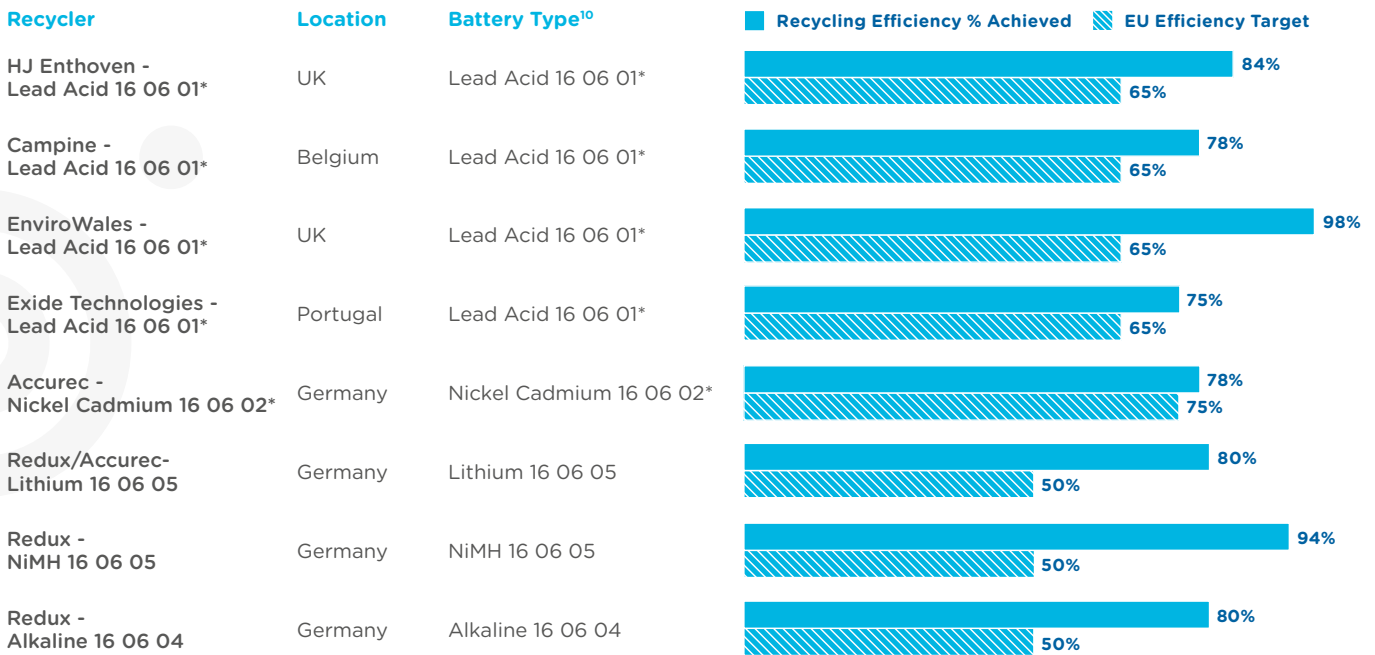
All exports by WEEE Ireland contracted operators can be validated against NTFSO<sup>9</sup> records to confirm their authorised shipment.

Final processing and recovery operations are carried out at specialist plants in UK, Germany, Portugal and Belgium. Transparent reporting of downstream recovery of WEEE Ireland waste batteries is provided to the DCCAE each year in a Battery Recycling Efficiency report.

# Resource Recovery Results

WEEE Ireland tracks the management of WEEE and Battery waste through the recycling process and measures the quality of this process. This is then benchmarked as recovery and recycling efficiency rates. WEEE Ireland continues to meet and exceed the high recovery targets required by the WEEE and Battery Directives on each category of WEEE and waste batteries.

## WEEE Ireland Battery Recycling Efficiencies 2018



## WEEE Ireland WEEE Recovery Rates 2018

WEEE Ireland component material recovery performance exceeds target in all categories to reinforce the WEEE excellence record.

Category	1	2	3	4	5	5	6	7	8	9	10
Description	Large Household Appliances	Small Household Appliances	IT & T Equipment	Consumer Electronics	Gas Discharge Lamps	Luminaires	Electrical Tools	Toys & Sports Equipment	Medical Devices	Monitoring & Control Equipment	Automatic Dispensers
EU Target Component Material Recycling & Reuse	80%	55%	70%	70%	80%	55%	55%	55%	55%	55%	80%
WEEE Ireland Component Material Recycling & Reuse	86%	70%	77%	85%	84%	82%	70%	70%	70%	70%	86%
EU Target Recovery Rate	85%	75%	80%	80%	N/A	75%	75%	75%	75%	75%	85%
WEEE Ireland Recovery Rate	92%	82%	86%	91%	N/A	94%	82%	82%	82%	82%	92%

<sup>10</sup> European Waste Catalogue categorisation with \* denotes batteries classed as hazardous

## WEEE Recovery Footprint



### What if WEEE wasn't recycled?

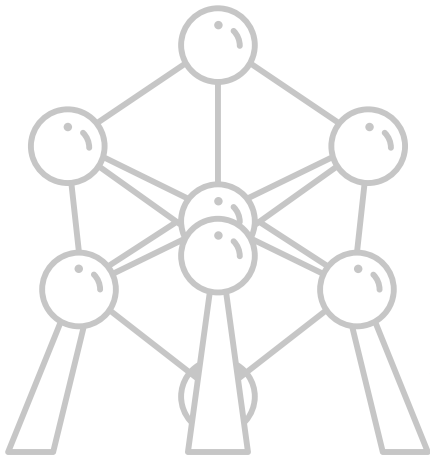
The type of WEEE collected, transport distances, treatment plant, quality systems, downstream processes and output fractions can all influence the positive impact of recycling. If e-waste does not enter the authorised recycling process and instead is landfilled, the valuable materials contained within these products are not reused and are instead wasted or lost forever. This means, in order to make new electronics, more metals and critical raw materials shall be mined, which can be extremely damaging to

the environment causing greenhouse gas emissions and furthering the effects of climate change.

When we compared recycling electrical and electronic waste in our WEEE Ireland system with landfilling in 2018, the equivalent of 220k tonnes of CO<sub>2</sub> emissions were avoided. That is the equivalent of 865million kms driven by an average passenger vehicle, or the annual carbon consumption of 4,398 hectares of trees<sup>11</sup>.

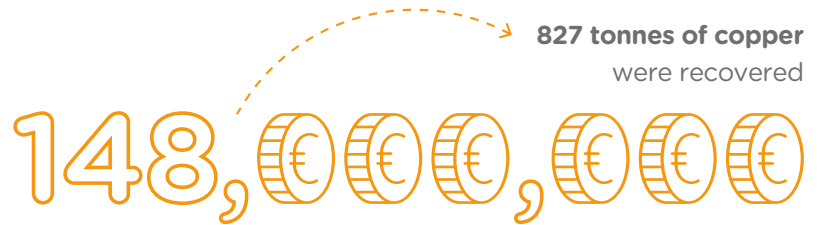


WEEE Ireland recycled over 36k tonnes of WEEE in 2018 through our WEEELABEX certified treatment partners, that is almost the weight of 350 blue whales. Proper environmental management of this WEEE, meant the following was achieved:

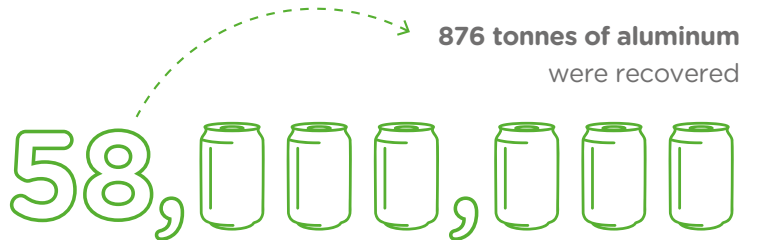


Almost 19K tonnes of iron were recovered

The equivalent of **8 Attomiums** in Brussels



This is equivalent to the copper content of nearly **148 million €1 coins**



This is equivalent to more than **58 million drink cans**

### Chilling Facts

Waste fridges and freezers can contain harmful substances such as VFC (Volatile Chlorofluorocarbons) gases that if released untreated to the atmosphere contribute to ozone depletion adding to the green house effect.

In 2018 WEEE Ireland recycled 5,926 tonnes of fridges and freezers alone at dedicated WEEELABEX certified fridge plants. By doing so, we captured the equivalent of 144,429 tonnes of CO<sub>2</sub> which would have otherwise been emitted to the atmosphere if left to landfill, and in the production of equivalent products. To put that into perspective it is the equivalent consumption of over 62million litres of petrol.

**144,429 tonnes of CO<sub>2</sub>** were recovered



Equal to consumption of **62 million litres of petrol!**

The benefits of WEEELABEX standard recycling across Europe can contribute to a significant reduction in harmful emissions, the recycling of critical raw materials, and a reduction in energy required for the manufacturing of new products.

# Membership & Market Share



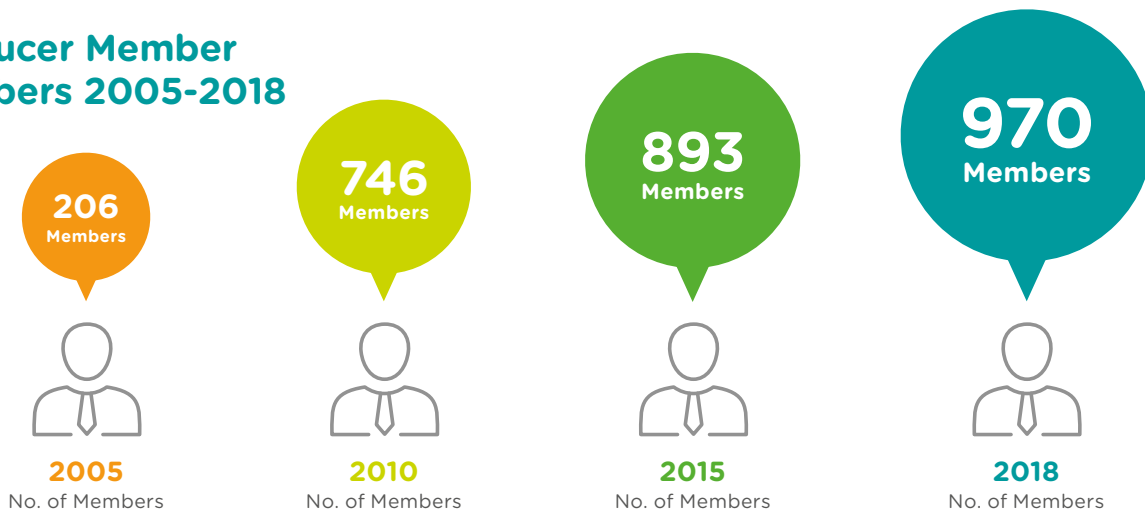
# Membership Results

“ By 31 December 2018 WEEE Ireland had **970 Members**, including 91 new Producers who registered with the Scheme during the year. ”

130 of these Producers had Authorised Representatives in place, enabling European manufacturers and importers to take on their Producer responsibilities in Ireland.

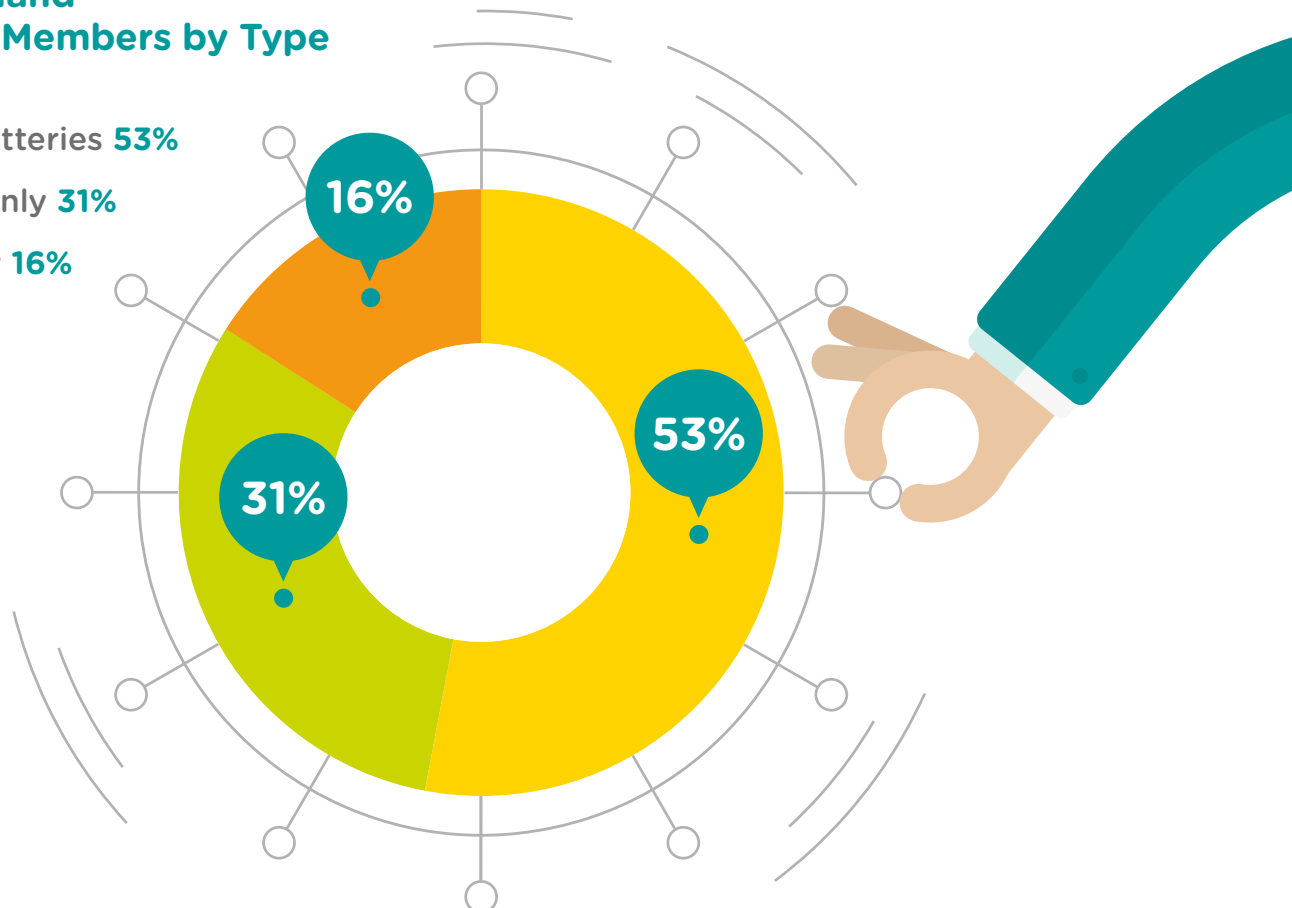
56 Producers deregistered as a result of mergers, take overs or exiting the marketplace.

## Producer Member Numbers 2005-2018



## WEEE Ireland Producer Members by Type

WEEE & Batteries **53%**  
Batteries Only **31%**  
WEEE Only **16%**



# WEEE Ireland Market Share

The market share of the Compliance Scheme impacts its designated geographic collection area in Ireland. The WEEE Ireland Scheme has been chosen as compliance provider by the majority of Producers in Ireland for the 14th year in succession.

WEEE Ireland also provides full national compliance services to the Lighting Sector as well as Industrial and Lead Acid Battery Producers.

A valid certificate of Membership is renewed each year with Producers following submission of an online renewal form, confirmation of accurate and up to date Blackbox reporting, and payment of all applicable fees to the Scheme.

Small to medium Producers and those who choose direct debit payment methods will always receive a discount on annual administration fees.

## Market Share



# Compliance Support

The Compliance Team at WEEE Ireland carries out three primary functions to support Members meeting their environmental management and Extended Producer Responsibility.

### Scheme Compliance

- Ministerial Approval
- Annual Reporting
- ISO 14001:2015

### Producer Compliance

- Membership Certification
- Compliance Reviews & Reporting
- Retailer Registration

### Operator Compliance

- 3rd party WEEELABEX Certification
- WEEE Ireland line of sight environmental audits
- Downstream process visibility



# Compliance Reviews



## Plan

WEEE Ireland provides support and guidance to all Members and those applying to join the Scheme for the first time, to help set up internal reporting systems, category allocations and training.

## Do

WEEE Ireland Producers report EEE by unit and weight to the Producer Register Blackbox under a 10-category 30+ subcategory system (6 categories from 1st January 2019)

## Review

WEEE Ireland audits its Members as part of its Compliance Review programme. During 2018 more than 150 compliance review interactions were recorded with Members. This included checks on the accuracy and completeness of submissions to Blackbox, correct information to users, website information requirements, takeback obligations and accuracy of weight recording systems.

## Act

WEEE Ireland works with its Members to support changes to their WEEE and Battery systems in a reasonable timeframe where issues are identified on audit.

# Open Scoping

From 1st January 2019 onwards all WEEE Producers in Europe must report all electrical products with very limited exemptions, under a new Open Scope and 6 category model. In November 2018 the Producer Register released the new Category Listing 6.0 to the WEEE Sector representing a significant change in reporting structure for many Producers. WEEE Ireland consulted with Members and trade associations on the changes to the Irish system throughout the year.



“(Nearly) Everything with a plug or a battery”







## Pan European Partnerships

“ WEEE Ireland supports Producers with obligations across Europe through WEEE Europe services ”

“ Membership of WEEE Forum and Eucobat underpins the WEEE Ireland best in class compliance ethos, amplifying the expertise we can offer with these centres of excellence in the WEEE and Battery knowledge fields ”

**Elizabeth O'Reilly**  
Compliance & Membership Manager



## PV Future

The emerging Irish Photovoltaic Cell sector is supported through WEEE Irelands affiliation with PV Cycle and benefits from the experience the organisation has managing compliance for this fast-developing technology across Europe.

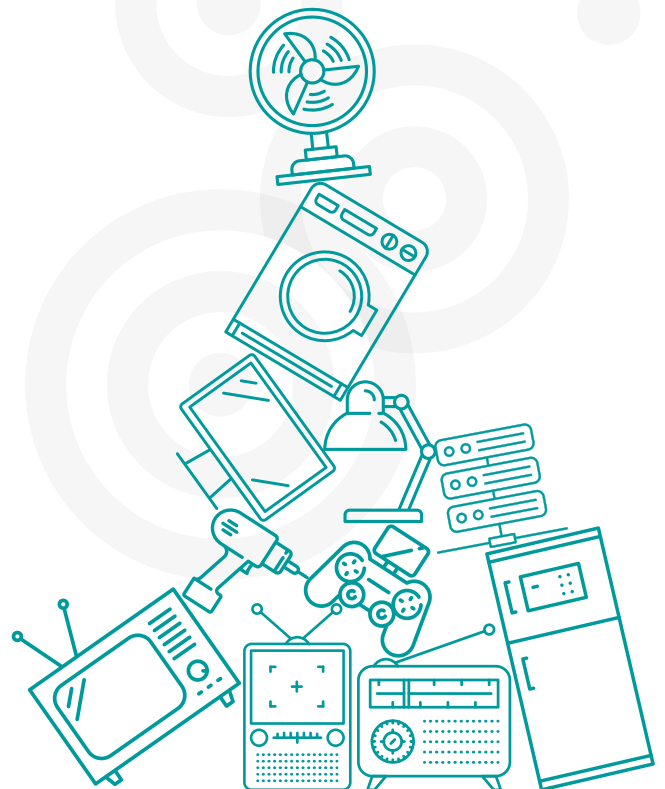


## Retailers

By 31st December 2018 there were 7,375 retailers registered with the Scheme, including 209 new registrants via licences. ie. This registration is allowed for under Regulation 40 (14) of S.I. 149 of 2014 and enables the takeback of WEEE without waste permits. Retailers in Ireland are required to take back WEEE on a like for like/one for one basis. They are required to take back batteries similar to the type they supply without obligation to purchase.

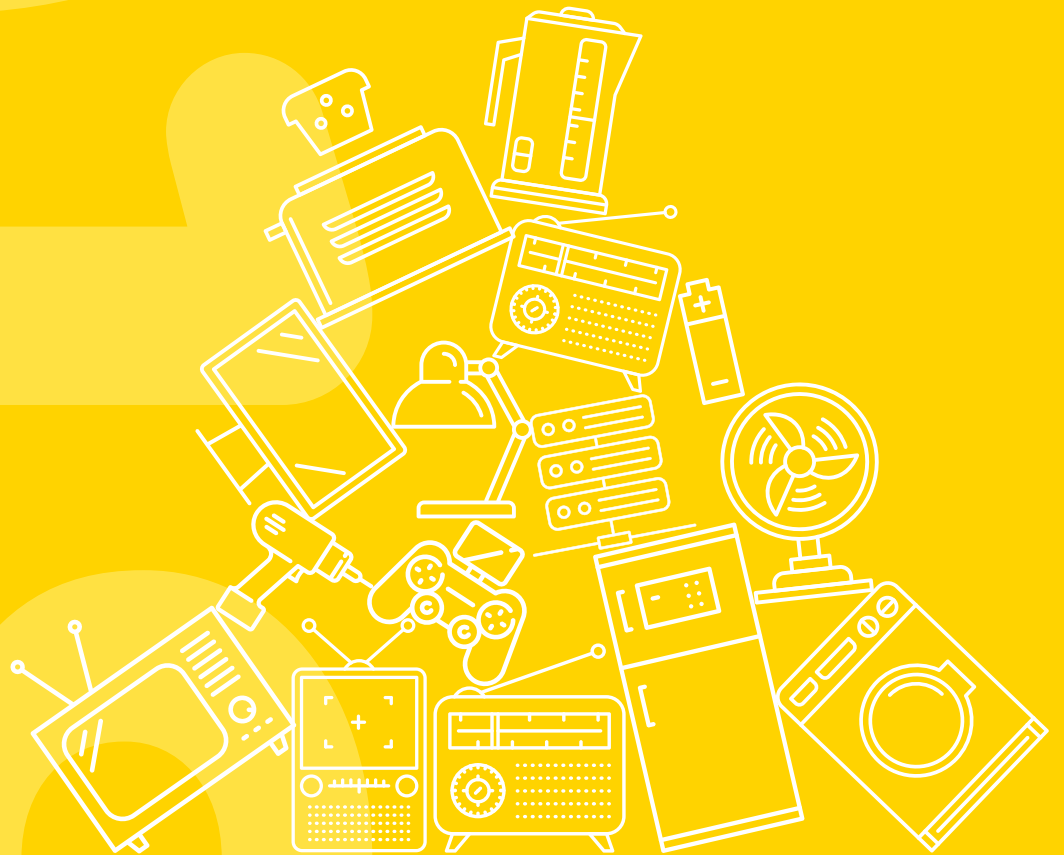
### What is [www.Licences.ie](http://www.Licences.ie)? Licences.ie

The objective of Licences.ie is to provide a single portal for businesses to register for and renew single or multiple license applications. The system is a key component of the Government's Action Plan for Jobs, and an important element of the Government's drive 'to make Ireland the best small country in the world in which to do business' by reducing and simplifying the administrative burden for business owners. WEEE Ireland led the project to deliver a national free WEEE Retailer Registration Portal on licences. ie alongside regulatory and other WEEE stakeholders.





# WEEE Communication Results



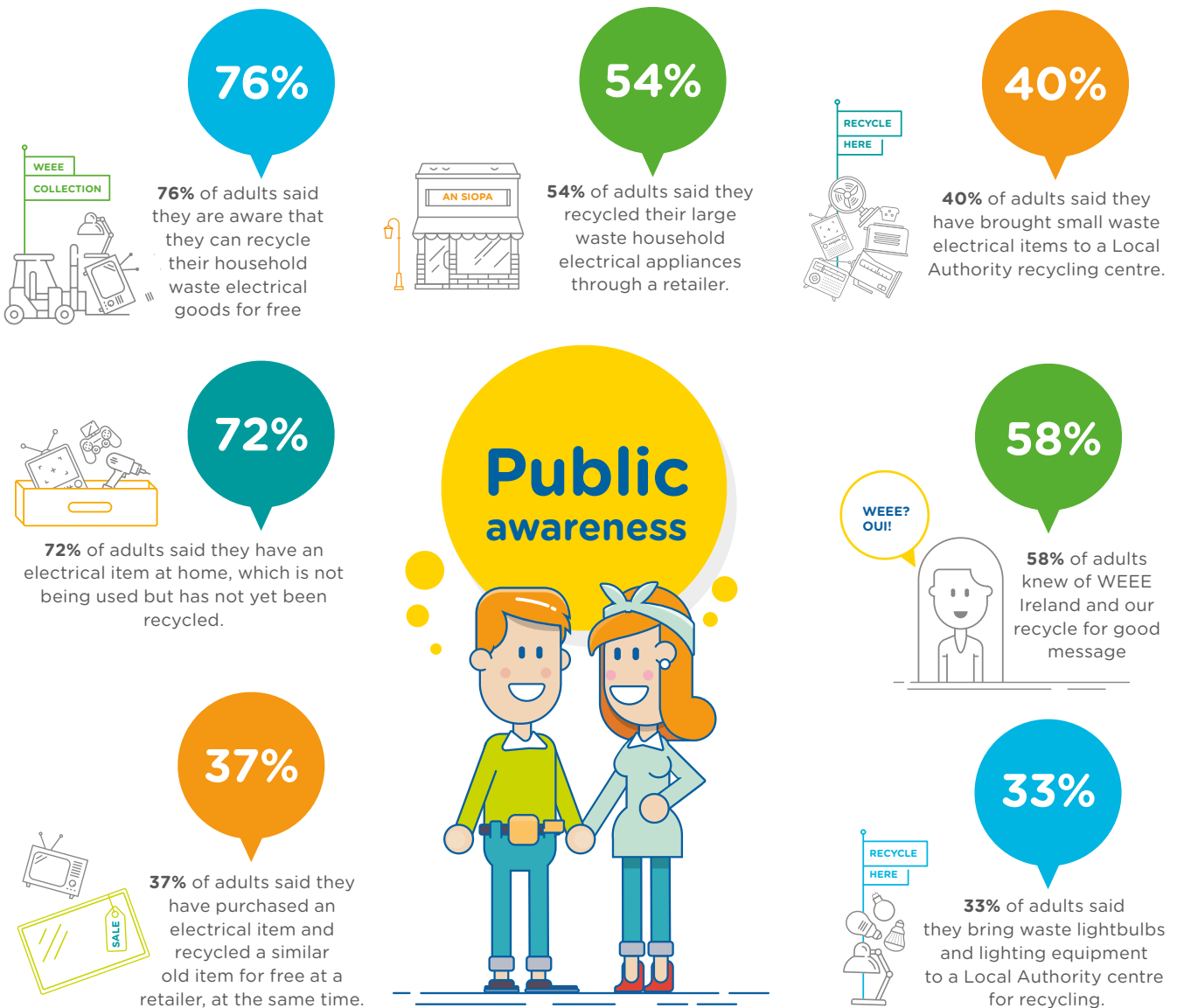
# Raising Awareness

With our national target for e-waste recycling at 65% of material placed on the market approaching - 2018 required every citizen to take action and ensure that they recycle their waste through their local authorised channels.

Spreading the Recycle for Good message widely to motivate the behaviour needed to achieve these targets required a long-term communications strategy that not only informed but engaged consumers in a movement of change.

To deliver and support the WEEE Ireland corporate strategy in 2018, the WEEE Ireland Communications Team developed and launched a number of new targeted campaigns. The [www.weeeireland.ie](http://www.weeeireland.ie) 2017 website redesign supported this activity also. With continuous measurement and evaluation of all activity, the Team ensured the highest return on investment and greatest reach, engagement and impact on our WEEE community.

## Public Awareness Research Results<sup>12</sup>



## Media & Social Reach

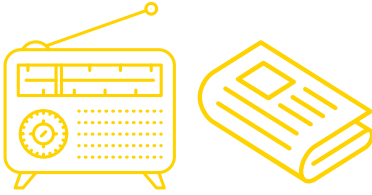
**29,000+**

Social Media Community



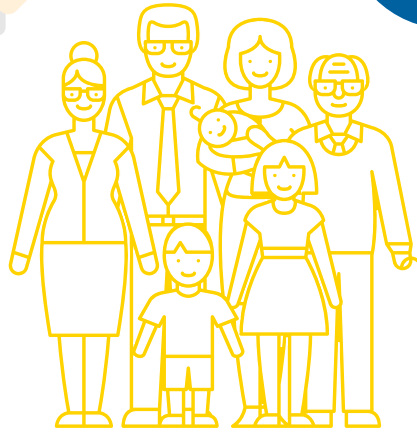
**1.5 million**

Post Impressions  
on Facebook



**€500,000+**

Press & Radio M-AVE



**5,600+**

Likes, Comments & Shares  
on Social Media Posts

## Website



**40%** increase  
in unique pageviews



**62%** increase in  
visits/sessions



**37%** increase in  
home page visits





# WEEE Pledge

## Blue Battery Box Recycling Powers On!

2018 was a record-breaking year for battery recycling with WEEE Ireland collecting 48% of batteries sold on the market. This is the equivalent to 11AA batteries for every single person in Ireland! National statistics estimate that 23 batteries per person are purchased in Ireland each year. This means that there are about 12 more batteries per person being hoarded or hidden in homes, or worse still wrongly put in the rubbish bin.

With an EU battery recycling target of 45% of waste batteries placed on the market and householders using more and more batteries in small electrical appliances - every battery recycled in a WEEE Ireland Blue Battery Box is more important than ever before.



Whether at home, in school, or at participating retailers, recycling waste batteries in WEEE Ireland's Blue Battery Boxes not only helps the environment but also supports LauraLynn, Ireland's Children's Hospice, through a charitable donation to deliver support and palliative care to children with life-limiting conditions and their families.





# Five More Years! WEEE Ireland and LauraLynn's Powerful Partnership Continues

In February 2018, WEEE Ireland announced its decision to continue our electrifying fundraising partnership with LauraLynn for a further 5 years. This continued support will see WEEE Ireland donate vital funds to the organisation as an incentive for the recycling of waste batteries until 2022.

LauraLynn has proven to be a key motivator for the people of Ireland to recycle their waste batteries with donations of over €390,000 since 2011.

The renewed partnership with LauraLynn has the ability to make a difference beyond the blue box and puts it into the hands of every householder and consumer. WEEE Ireland's donation to LauraLynn, Ireland's Children's Hospice, helps them to deliver invaluable hospice care and emotional, social and spiritual support for children with life-limiting conditions and their families.

“Donations of over **€390,000** to date”



**Yay!**  
I'm raising vital funds for **LauraLynn** Ireland's Children's Hospice!







# WEEE Pledge for Schools

With the support of students and staff across a network of more than 2,500 schools, the WEEE Pledge Schools Recycling Challenge yielded an important 23 tonnes of waste batteries in 2018. Participating schools recycling efforts not only help the environment but also support LauraLynn, Ireland's Children's Hospice, with WEEE Ireland contributing to the charity, as part of the challenge.

To mark the fifth year of WEEE Pledge, a bank of new educational assets was developed and launched for junior and senior cycles. The new lesson plans, activities and educational videos are available for all schools who get involved in the WEEE Pledge programme.

These supporting resources demonstrate how schools can incorporate their WEEE Pledge Battery Recycling Challenge into their schools Sustainability Development Goals Programme, further developing the understanding and importance of being responsible for the environment and how their recycling efforts are making a real and lasting difference in each of their communities.



**1 million**

**Waste Batteries Recycled in 2018!\***

**4,600**

**Blue Battery Boxes collected in 2018!**

## Sustainable Development Goals

<p><b>1</b> NO POVERTY</p>	<p><b>2</b> ZERO HUNGER</p>	<p><b>3</b> GOOD HEALTH AND WELL-BEING</p>	<p><b>4</b> QUALITY EDUCATION</p>	<p><b>5</b> GENDER EQUALITY</p>	<p><b>6</b> CLEAN WATER AND SANITATION</p>
<p><b>7</b> AFFORDABLE AND CLEAN ENERGY</p>	<p><b>8</b> DECENT WORK AND ECONOMIC GROWTH</p>	<p><b>9</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	<p><b>10</b> REDUCED INEQUALITIES</p>	<p><b>11</b> SUSTAINABLE CITIES AND COMMUNITIES</p>	<p><b>12</b> RESPONSIBLE CONSUMPTION AND PRODUCTION</p>
<p><b>13</b> CLIMATE ACTION</p>	<p><b>14</b> LIFE BELOW WATER</p>	<p><b>15</b> LIFE ON LAND</p>	<p><b>16</b> PEACE, JUSTICE AND STRONG INSTITUTIONS</p>	<p><b>17</b> PARTNERSHIPS FOR THE GOALS</p>	<p><b>SUSTAINABLE DEVELOPMENT GOALS</b></p>

\*Units estimated equivalent weight of 1million AA batteries.

# European Battery Recycling Week



In Autumn 2018 European Battery Recycling Week took centre stage from 3rd to 9th September. After the success of three years of European Recycling Day, EUCOBAT - the European association of national collection Schemes for batteries - with the support of WEEE Ireland and our European counterparts embarked on the first full week of this campaign.

With help from WEEE Ireland Recycling Champion Bosco, WEEE Ireland marked this key week with an extensive awareness campaign across radio and digital media, encouraging the public to take up the WEEE Pledge Challenge and Recycle for Good! This was supported by a direct awareness programme to schools and the greater public.

“Boys and Girls, Mammies and Daddies have been amazing and recycled so many batteries but there’s lot more to do! Find all those old batteries hiding in your house for the boys and girls at LauraLynn Children’s Hospice today!”







# WEEE In the Community

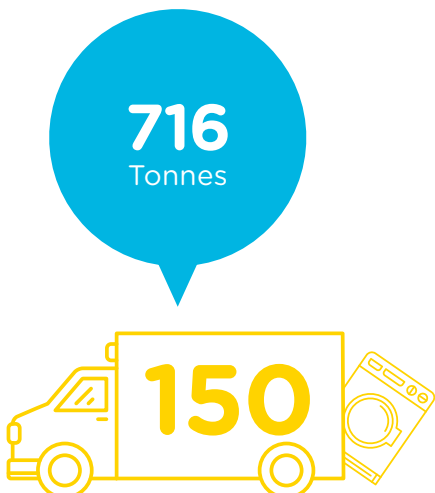
## Public Collection Day Events

Recruitment of householders to join the recycling movement is central to increasing the take back of WEEE and achieving the national targets as determined by the EU WEEE Directive.

In 2018, the Communications Team continued to drive awareness and reach of the WEEE Ireland Public Collection Events with community groups and stakeholders. This work is paying dividends as local recycling champions are now advocates for our brand and recycling messages. Targeted promotion of Public Collection Events supported increased efficiencies of operations to yield clear and positive results.

**716**

Tonnes of WEEE Collected.  
This is the equivalent of 150 truck  
fuls of old and broken appliances!



**45**

Public Collection Events

**937**

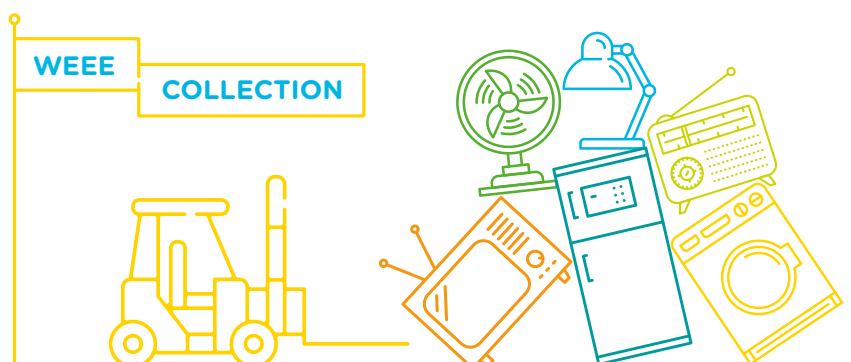
Promotional Adverts

**1 million**

People saw or heard WEEE  
Collection Event advertising

**16%**

Increase in WEEE collected at  
Public Collection Day Events





## Community Values

WEEE Ireland continued its partnership with Recycle IT in 2018. Recycle IT is an award-winning social enterprise focused on employment support and training in Clondalkin in Dublin. Recycle IT operate an ongoing pilot kerbside collection programme in the greater Dublin area. As the Clondalkin Community Recycling Initiative, it was originally set up in 2002 by the Environment Working Group of Clondalkin Partnership under the Irish Governments Social Economy Initiative. With support from South Dublin County Council (SDCC) and Clondalkin Partnership as well as WEEE Ireland, the initiative developed into a Social Enterprise supported by a staff team of 17 people. Over the years, the initiative established a wider presence across the greater Dublin area and became known as Recycle IT. Today they work with 100,000 households per year as well as community groups and small business to facilitate kerbside collection for electronic recycling and promote environment awareness initiatives.

Recycle IT endeavour to support people living and working in communities including householders and place an emphasis on individual needs. Their collection teams are experienced and happy to support people requiring additional assistance with lifting or moving electronic items. [www.recycleit.ie](http://www.recycleit.ie)

## We'll Take It Back Retail Scheme

In 2014 WEEE Ireland and other stakeholders launched the *We'll Take It Back* programme to support key electrical retailers across Ireland in their legal obligation to take back WEEE and waste batteries for free from consumers. The marketing element of the programme promotes the idea of retailers as WEEE and Battery recycling centres for their customer base.

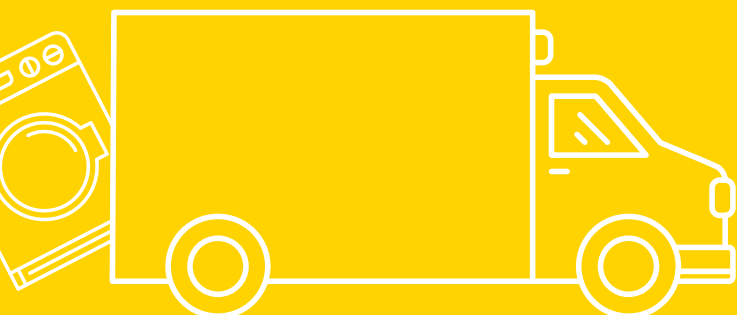
The percentage of WEEE taken back through the retail stream (57%) is higher in Ireland than in any other country in Europe. The extensive network of nearly 200 *We'll Take It Back* Irish retailers facilitates the take back of any household WEEE and batteries for FREE nationwide, complementing local authority sites and public collection events.

In return the *We'll Take It Back* campaign supports retailers to promote WEEE recycling in store as a service to their customers. Through the programme retailers are able to go beyond like-for-like, one-for-one take back obligations and include free recycling of all household WEEE and batteries instore as part of their offering.

Whether buying online or browsing in store our retail partners ensure that the *We'll Take It Back* message is a key offering instore for their customer base.

“ WEEE Directive 2012  
 ...when supplying a new product,  
 distributors are responsible for  
 ensuring that such waste can be  
 returned to the distributor at least free  
 of charge on a one-to-one basis as  
 long as the equipment is of equivalent  
 type and has fulfilled the same  
 functions as the supplied equipment

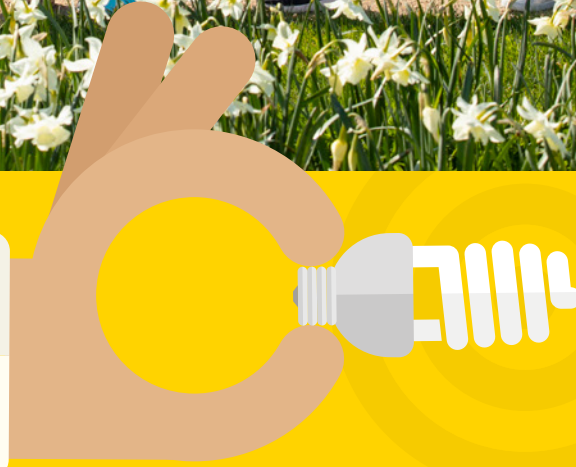
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## Small Things Matter



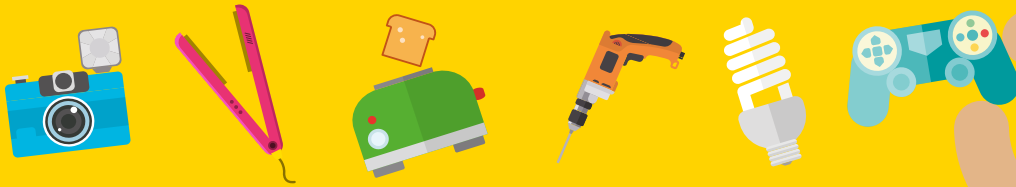
2018 saw the launch of WEEE Ireland's Small Things Matter Campaign - a national campaign encouraging Irish householders to return their waste lighting, small electrical household items and batteries for recycling at their Local Authority recycling centre or participating electrical retailers.

This awareness campaign was developed to support the growth of the Scheme's collections towards the 2018 target of 65%. Despite high take back rates overall, small household and consumer WEEE needed to grow. Awareness tracking showed that younger and older recyclers were leading the way, awareness and action was low in the 18 - 45yr old category.

For the campaign we went with a 'hands on' theme, illustrating examples of typical types of WEEE with scale. The design is impactful, intriguing, engaging and fun, and is

supported by a microsite [www.smallthingsmatter.ie](http://www.smallthingsmatter.ie) which details where, what and how to recycle for consumers.

A dedicated [smallthingsmatter.ie](http://smallthingsmatter.ie) campaign landing page was developed to adequately house clear and concise information on what and where to recycle. This dedicated campaign landing page URL was weaved into all advertising material as the key information point to direct consumers on to. Market research conducted during the development of the Small Things Matter campaign, proved that householders were not aware of their local FREE recycling points for lighting and other WEEE. Pivotal to our communication to counter this was the development of an interactive 'Recycling Drop Off Point' map housed on the campaign microsite landing page, allowing consumers to easily access information on their nearest local authority recycling centre, electrical and other retailer partners to support their recycling efforts.



WEEE Ireland has developed a system supported throughout the supply chain for return of waste lighting equipment to wholesalers and distributors.

An extensive promotional campaign of radio, digital and social media, supported with a consumer PR strategy was used to help spread the Small Things Matter message. Launched first in Spring 2018, it was followed in Autumn with a specific Lighting Recycling focused run of the campaign.

To motivate householders to join the WEEE Small Things Matter recycling movement further, participating householders were informed that their recycling efforts would also support LauraLynn, Ireland's Children's Hospice, with WEEE Ireland contributing to the charity, as part of the campaign.

Results matter too! The Small Things Matter campaign supported WEEE Ireland in achieving an increase of 5% (293 tonnes) of take back on small WEEE from Local Authority recycling centres and retailers. An additional 66.5 tonnes of waste batteries was also recovered from Small WEEE in 2018.

“  
**+74%**  
 adults across Ireland saw  
 or heard a Small Things Matter  
 campaign advert in 2018. ”



## Results



**600+**  
 Sites identified  
 and mapped

**95**  
 Local Authority  
 Recycling Centres

**196**  
*We'll Take It Back*  
 Retailers

**355**  
 Lighting & Battery  
 take back hardware  
 stores



# WEEE Generation

A year in review



# Strategy

WEEE Ireland's strategic focus aims to meet the requirements of its Producer Compliance Scheme approval from the Minister for Communications, Climate Action and the Environment through:





# WEEE Generation Conference



**International E-Waste Day**  
Powered by WEEE Ireland

In October 2018 to celebrate the WEEE Forum International E-waste Day, WEEE Ireland welcomed over 130 Members and Stakeholders to our **WEEE Generation: Future Proofing Through Innovation and Excellence Conference**.

The day's discussions celebrated the achievements of the e-waste recycling sector while showcasing the innovations that will take it into the future. Not only did the day consist of international highquality speakers touching on important topics, there was also enthusiastic engagement with our audience through use of interactive online Q&A tools. Attendees contributed to discussion on the challenges of developing a more circular WEEE economy, contemporary research in the e-waste sector, as well as the industry's transition to Open Scope standards in line with recent regulatory change.

Keynote Speaker, **Maria Banti from the European Commission**, presented the pathway ahead for WEEE Producers under the Circular Economy Waste Package, including specific changes to reporting requirements for Member States on target achievements and quality data checks. She outlined the work plans ahead for the Commission including a study on possible future adoption of minimum quality standards for the treatment of WEEE along with workshops and thematic dialogues on:

- **All WEEE flows reporting and counting quantities**
- **Rules on EPR (Extended Producer Responsibility) and clearing house coordination bodies**
- **Distance selling and free-riders**
- **Quantifying reuse and waste prevention**



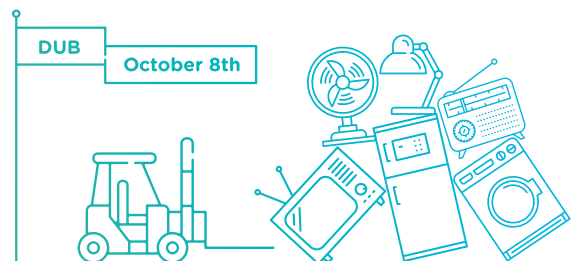


**Korrina Hegarty from APPLiA** presented on the circular society online platform from the European Committee of Domestic Equipment Manufacturers. The site showcases innovation and information from the sector on topics including eco design, energy and resource efficiency. In 2018 Applia, together with Sustainable Cycles, produced an overview of the circularity of the material flows of the home appliance industry in Europe. A partnership project with the WEEE Forum and EERA also produced the new [www.i4R-platform.eu](http://www.i4R-platform.eu) portal, enabling Producers to provide more information to the recycling sector on what is in their appliances for treatment and recovery as required under Article 15 of the WEEE Directive [www.circularsociety.eu](http://www.circularsociety.eu)

**Nigel Harvey from Recolight** shone a light on issues from the sector including the free rider challenge from non-registered distance sellers across Europe and the inclusion of household luminaries under 2019 open scope rules.



Conference  
**WEEE Generation**  
 Future Proofing through Innovation and Excellence





# Material Challenges

A topic of interest at the WEEE Generation event was the issues surrounding potential POPs (Persistent Organic Pollutants) in e-waste plastics. Certain types of legacy brominated flame retardants in older WEEE must be removed from the recycling fraction to ensure they do not reenter the manufacturing chain, to prevent possible further bioaccumulation in the environment. Electrical recyclers represented by EERA in Europe have requested pragmatic thresholds for identification of POPs which are aligned across WEEE, RoHS (Restriction of Hazardous Substances) and REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) rules.

Schemes and recyclers support active enforcement and the application of standards across the industry to all operators in the WEEE value chain to ensure a level compliance playing field is in place.

# Keeping up Standards



WEEE Ireland has supported mandatory application of quality treatment standards since the foundation of the WEEELABEX organisation in 2011. WEEE Ireland's main contractors KMK Metals Recycling was the first organisation in Ireland to achieve WEEELABEX certification at their facility in Tullamore, followed by Irish Lamps. WEEE Ireland's main contracted treatment facilities are certified to the WEEELABEX standard and will transition to the newly developed EN 50625 CENELEC series of standards by the end of 2019. The combination of line of sight recycling in Ireland and the UK alongside the validation of WEEELABEX third party audit reports, gives assurance on the quality of the recycling and recovery reporting by the Scheme on behalf of our Members.

- In May 2018 WEEE Ireland successfully completed its surveillance audit for its ISO14001:2015 certification.
- The Scheme is actively represented on the NSAI Technical Committee 22 on Standards for Electrical and Electronic Equipment and makes submissions on new standard developments as part of the committee activity.

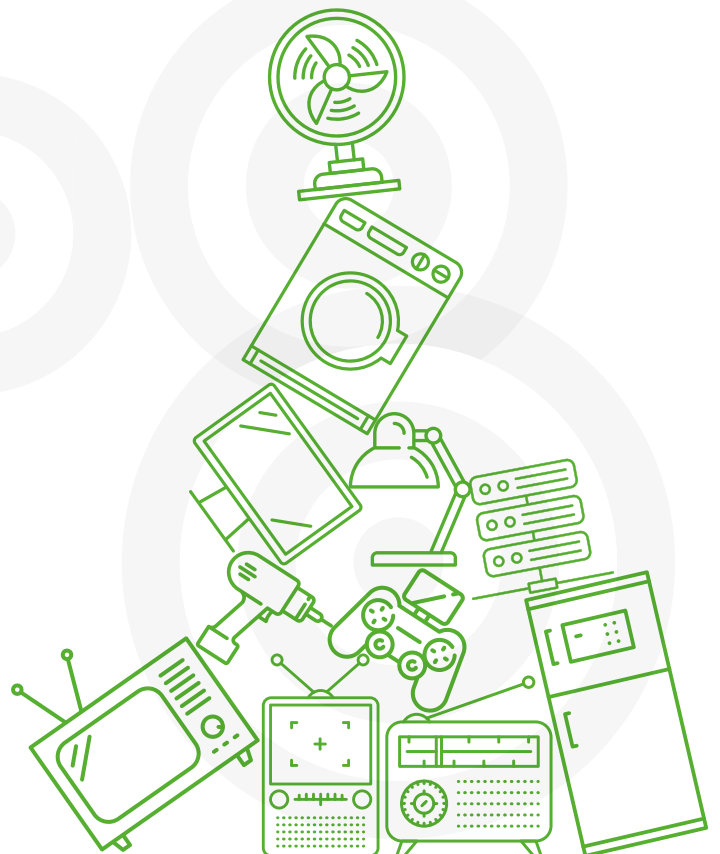
# EPR & the Circular WEEEconomy

In 2018 the European Commission published the detailed text amending the Waste Framework Directive with specific detail in Article 8a on Extended Producer Responsibility (EPR) as part of the Circular Economy Waste legislative package.

WEEE Ireland continues to track policy and developments in Circular Economy, Waste and Producer related topics and informs Members through newsletters, conferences and seminars.

An area of interest for WEEE Ireland and its Members in 2020 will be discussions around eco-modulated fees e.g. EPR costs differentiated by the environmental credentials and end of life management costs of an electrical or battery product.

The Scheme will continue to make submissions to the DCCAE, and the European Commission via the WEEE Forum to support Producers in their EPR obligations.





# Charging Ahead on Batteries

During 2018 the European Commission carried out a public consultation on the evaluation of the Battery Directive as part of the process to recast this Directive by 2020/21.

WEEE Ireland developed a Battery Scheme in 2008 in response to the 2006 Battery Directive transposition into Ireland. Although to date targets were only in place on portable Batteries the Scheme included compliance solutions for Producers of Automotive and Industrial types too. As the future Recast Directive is likely to include targets and increased EPR requirements around all battery types, the WEEE Ireland Scheme is well placed to help Members meet their challenges across all their battery products.

The WEEE Ireland Battery Steering Committee welcomed new attendees during 2018 from the Automotive and Industrial sectors to support the Scheme developing specific solutions for new technology developments in Batteries.

As a Member of EUCOBAT, WEEE Ireland supports several key positions in relation to the review and recast of the Battery Directive including:

**A collection target** can only be successful if it is related to the quantities of waste available for collection, considering the quantities of batteries put on the market, the analysed lifespan and the export of second hand and waste appliances (WEEE).

**The recycling targets should be realistic, measurable and value-based** instead of mass-based and should ensure the recycling of hazardous and valuable materials to the highest degree that is technically feasible while avoiding excessive costs.

**Separately invoicing** of the net collection and recycling costs will benefit the environment, consumers, authorities and all economic actors involved in the distribution of new batteries and should remain possible. For batteries of electrified vehicles with a long lifespan and a high collection and recycling cost, a financial guarantee should prevent costs from orphan products from falling on society or the remaining Producers.

Other topics for consideration include supporting a legal framework for second use of batteries, the marking of battery packs and the cells contained, in order to allow correct sorting and recycling.



(l-r): Dr. Margaret Bates, Professor of Sustainable Wastes Management, University of Nottingham, Dr. Colin Fitzpatrick, Course Director, Electronic and Computer Engineering, University of Limerick, Simon Eves, Head of Environmental and Public Affairs, Panasonic UK. Sarah Downes, External Affairs Manager, REPIC.

# Inspiring the Next Generation

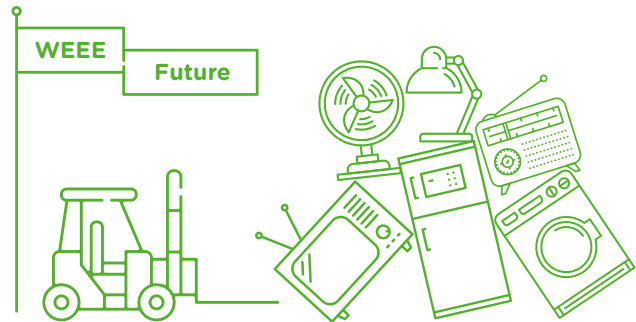
WEEE Ireland welcomed social enterprise, Local authority and NGO exhibitors to the conference to bring their ideas, programmes and of course enthusiasm to our audience. WEEE Ireland looks forward to working with the Rediscovery Centre in 2019 as part of their new partnership with the EPA as the National Centre for the Circular Economy.





# Researching the Future

Part of the WEEE Ireland funding commitments from the national visible fee agreement includes support of the Environmental Protection Agency in enforcement, research and development efforts. During 2018 WEEE Ireland engaged with new ideas in WEEE management on the steering group of 3 research projects:



## ColectWEEE

Published in 2018: Research 262: A Community Based Social Marketing Approach for Increased Participation in WEEE Recycling (ColectWEEE) Authors: Katherine Casey, Maria Lichrou and Colin Fitzpatrick.



**Summary:** This study explored human behaviour in relation to small WEEE recycling through 26 in-depth interviews with 30 participants; observations and casual conversations at a civic amenity site and waste collection event; and participant observation at 25 retailers. The study proposes a multi-pronged approach to social marketing campaigns with the aim of increasing participation in small WEEE recycling.

## Tri Reuse

**The Tri Reuse Project** will continue into 2019 and involves active assessment of the suitability of used ICT Equipment (WEEE) for “Preparation for Reuse”.

The term “Preparation for Reuse” is where WEEE is assessed for its reuse potential and if it passes this assessment it is professionally refurbished including data destruction. The project with its partners has provided incentives for individuals to return their old consumer tech devices and avail of free data wiping and data destruction services on all equipment collected. WEEE Ireland looks forward to the output and findings from this project due to be published in 2019.

## EEE2WEEE

WEEE Ireland has achieved 65% takeback of B2C WEEE on behalf of its Members. However, attainment of the national target by all operators in the marketplace in 2019 will still be a challenge. EEE2WEEE aims to analyse the flow of WEEE onto and out of the recycling marketplace including that collected by scrap metal merchants or exported as used EEE with a view to policy recommendations for national target achievement in 2019/20.



# Financing Producer Responsibility





<sup>13</sup> Compliance Management Costs - For certain product types including Electric Vehicle and Hybrid batteries and Photovoltaic Cells compliance management fees only are charged when the product is placed on the market however WEEE Ireland reserves the right to charge for collection, recycling and recovery of these waste streams as they arise in the future.

## Transparency

WEEE Ireland publishes a detailed financial report to its Members distributed in advance of the AGM each year. An extensive financial report was supplied to the Department of Communications, Climate Action and Environment during Q2 2018 including divisional reporting across the sectors as required in the terms of approval. WEEE Irelands accounts were filed with the CRO following successful audit by June 2018.

WEEE Ireland invoices Producers directly to meet their financial obligations under the WEEE and Battery Regulations in Ireland.

“ **Member States shall ensure that Producers provide at least for the financing of the collection, treatment, recovery and environmentally sound disposal of WEEE from private households that has been deposited at collection facilities...**

WEEE Directive 2012/19/EU ”

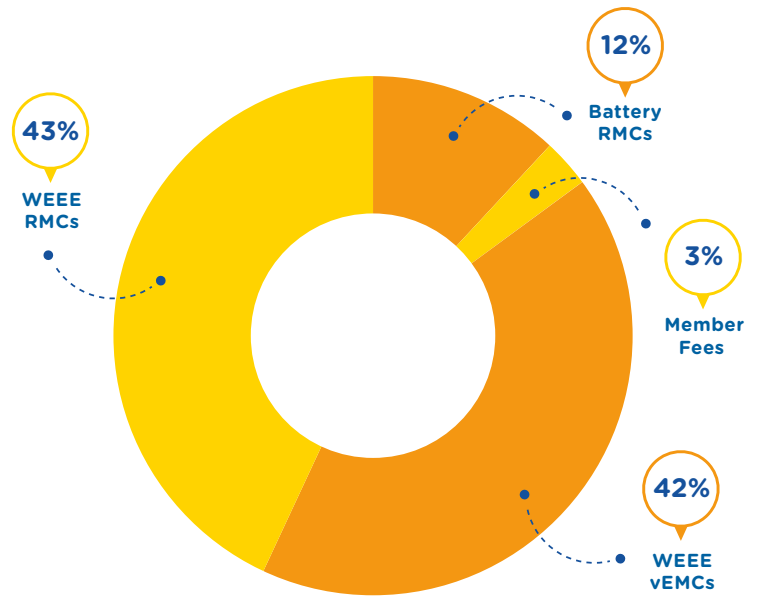
## WEEE Ireland Income

Income to the Scheme is derived from the Membership joining and renewal administration fees, the visible Environmental Management Costs (vEMCs) mandated on certain appliances and the non-visible Recycling and Compliance<sup>13</sup> Management Costs (RMCs & CMCs) on B2C EEE and all batteries placed on the market by WEEE Ireland Member Producers.

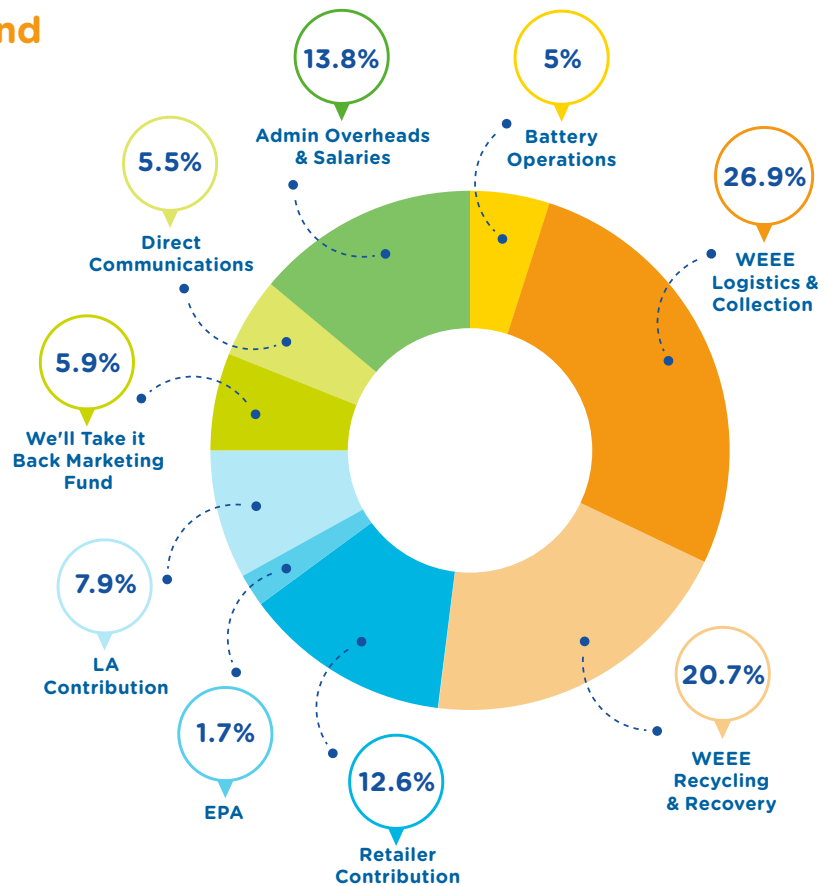
As Producers report each month to the Producer Register Limited Blackbox their invoice is calculated depending on the units, weight and type of Products in their data submission. Accuracy of submission is extremely important to both Producers and the Scheme in the calculation of fees.



## Composition of WEEE Ireland Membership Fee



## Composition of WEEE Ireland Scheme Expenditure



### WEEE Costs

The core of WEEE Ireland's expenditure is the environmental management of the waste streams on behalf of Producer Members. The provision of infrastructure and careful route planning to efficiently manage takeback is overseen by the Operations Team at WEEE Ireland. Quality treatment ensures hazardous materials are managed and resources recovered. However the volatility of commodity markets alongside rising insurance, labour and logistic costs continues to negatively impact the value return potential for recycled WEEE fractions.

### Cooperation Agreements

In 2014 the new WEEE Regulations included provision for visible EMCs as well as cooperation agreements for WEEE Schemes to contribute to stakeholder costs. The Scheme is mandated under its Approval to provide funding to Electrical Retailers and Local Authorities to support their roles as WEEE collection points. WEEE Ireland also help fund the *We'll Take it Back* Retailer Marketing fund. Funding is also provided to the Environmental Protection Agency to support their enforcement, research and development programmes.



## Futureproofing: Finance Plan for 2022 and Beyond

From 2022 onwards a new finance model for the Scheme will be required as the historical legacy WEEE, and reserves to manage this legacy, will be depleted. New financial requirements including eco-modulated fees will need to be implemented in Ireland under forthcoming Circular Economy and EPR rules.

WEEE Ireland's not for profit status, alongside sector input to governance and budget setting ensures Producer Member interests are foremost when reviewing best environmental management system planning into the future.



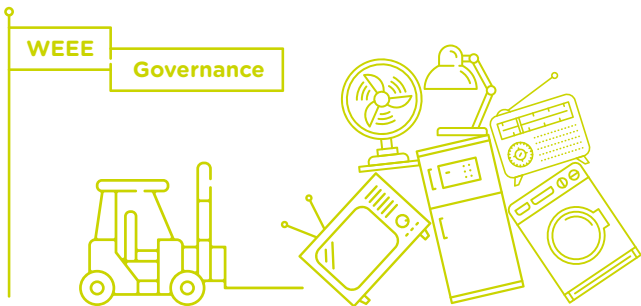


# Governance





# Governance



sector representation to support the oversight function of the Board of Directors. The Chairperson Declan Moylan welcomed new Directors Áine Higgins and Herbert Sharkey to the WEEE Ireland Board in 2018 and thanked Patrick Lynch, Michael O'Shea and Dr Claire Penny who ended their tenure as Directors at the end of the year.

WEEE Ireland is a not for profit organisation, limited by guarantee, owned by its Members, committed to delivering cost effective compliance on behalf of its Producer Members. The governance structures ensure that the Scheme achieves its strategic goals while meeting all relevant regulatory requirements as laid out in the WEEE and Batteries Regulations and Scheme's Approval. WEEE Ireland successfully passed the 2018 surveillance audit for ISO4001:2015 certification with no findings during the year.

Financial audit was successfully undertaken by the independent external auditors and financial statements were filed within the time required to the CRO. WEEE Ireland welcomes and encourages the DCCAE to carry out a mid-term review during 2019 of all Schemes activities as per approvals.

In line with corporate governance policy and Scheme approval, WEEE Ireland operates a 'term-of-office rotation' system for Directors, along with controls on



# Company Officer Meetings

There were 4 meetings of Board of Directors in 2018 with 88% attendance throughout the year. The Board of Directors held an additional Strategy Meeting in May. Additional ad hoc meetings were called on special topics as required throughout the year. The finance committee met on 12 occasions and 3 procurement meetings were also held to support this function. A steering committee meeting was held for the Battery Members. In October a pre-conference breakfast briefing, for Members only, was held to present the proposed fees for 2019 and discuss fee projections for future years.



# 2018 WEEE Ireland Board of Directors



**Mr Thomas Barillot**  
 Role: Director  
 Appointed: May 2015  
 Company: Apple  
 Representing Category: IT&T, CE, Batteries

**Mr Richard Broderick**  
 Role: Director  
 Appointed: June 2017  
 Company: Independent (WGA)  
 Representing Category: LHA

**Mr Leo Donovan**  
 Role: Director / CEO  
 Appointed: 2005  
 Company: WEEE Ireland

**Mr Declan Moylan**  
 Role: Director / Chairman 2017  
 Appointed: Jan 2016  
 Company: Independent  
 Representing Category: Independent

**Mr Johnny Dunne**  
 Role: Director  
 Appointed: June 2017  
 Company: Glen Dimplex  
 Representing Category: LHA, SHA, SME

**Mr Brian Flood**  
 Role: Director  
 Appointed: June 2017  
 Company: Origo Ltd  
 Representing Category: SHA, Tools, Batteries, SME

**Ms Aine Higgins**  
 Role: Director  
 Appointed: June 2018  
 Company: Siemens Ltd  
 Representing Category: IT&T

**Mr Fergus Johnston**  
 Role: Director  
 Appointed: June 2017  
 Company: Whirlpool Ireland Appliances  
 Representing Category: LHA

**Ms Niamh Laing**  
 Role: Director  
 Appointed: June 2016  
 Company: Panasonic Ireland  
 Representing Category: LHA, CE, Batteries

**Mr Patrick Lynch**  
 Role: Director  
 Appointed: Dec 2007/Retired 2018  
 Company: Independent  
 Representing Category: Independent

**Mr Cel O'Reilly**  
 Role: Director  
 Appointed: June 2005  
 Company: Independent (Lighting)  
 Representing Category: SHA, LE, Batteries

**Mr Michael O'Shea**  
 Role: Director / Vice Chairman  
 Appointed: June 2005 / Retired 2018  
 Company: Independent  
 Representing Category: CE, Batteries

**Dr Claire Penny**  
 Role: Director  
 Appointed: June 2005 / Retired 2018  
 Company: IBM Ireland  
 Representing Category: IT&T

**Mr Herbert Sharkey**  
 Role: Director  
 Appointed: Jan 2018  
 Company: BSH Home Appliances Ltd  
 Representing Category: LHA, SHA

**Mr David Tyrrell**  
 Role: Director  
 Appointed: March 2017  
 Company: Independent  
 Representing Category: Independent

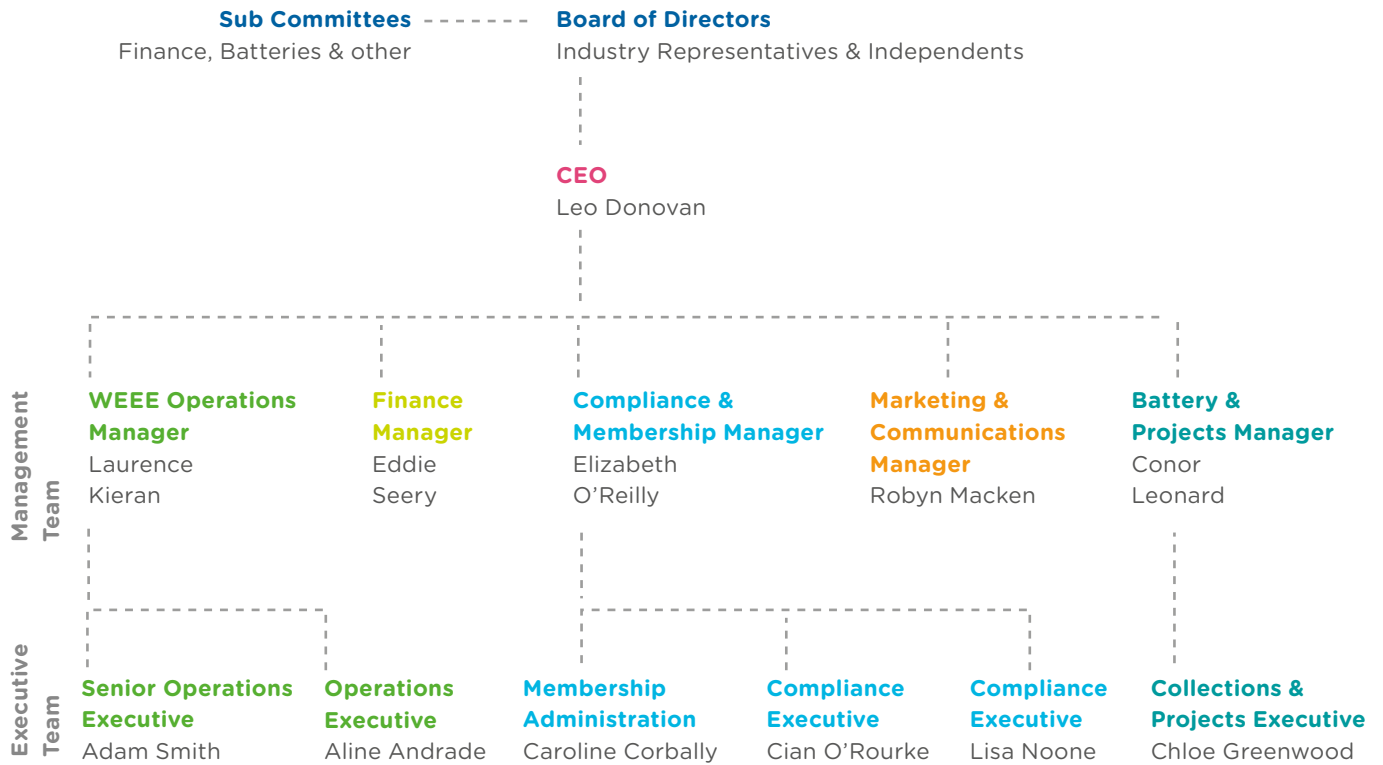




# Appendices



# Appendix I



## Professional Team

The WEEE Ireland team is dedicated to delivering excellent service on behalf of its Producer Members. The team brings together a varied set of skills to coordinate the various operational aspects of the Scheme. The team operates from its base at the WEEE Ireland's offices South County Business Park in Leopardstown, Dublin 18.



On a personal note...

**I'd like to again thank my team for their dedication, hard work and achievement in 2018**

**Leo Donovan**  
CEO, WEEE Ireland

# Appendix II

## Operational Partners as of 31 December 2018

WEEE Ireland Direct Recycling Contractors	Location	Key Operating Area
KMK Metals Recycling <sup>14</sup>	Tullamore, Co Offaly	WEEE & battery collection & recycling
Irish Lamps Recycling <sup>15</sup>	Athy, Co Kildare	Nationwide lamp collection & recycling

Logistics & Hub Contractors	Location	Key Operating Area
Caulfield Transport	Little Island, Cork	WEEE collections
Newsread	Citywest, Dublin	Battery merchandising & collections
Recycle IT	Clondalkin, Dublin	Social Enterprise, Kerbside collection, Dublin area

Pilot Programme Partnership	Location	Key Operating Area
Wisetek <sup>16</sup>	Dublin Hill, Cork	IT & T

# Appendix III

## B2C WEEE Takeback Rate WEEE Ireland 2018

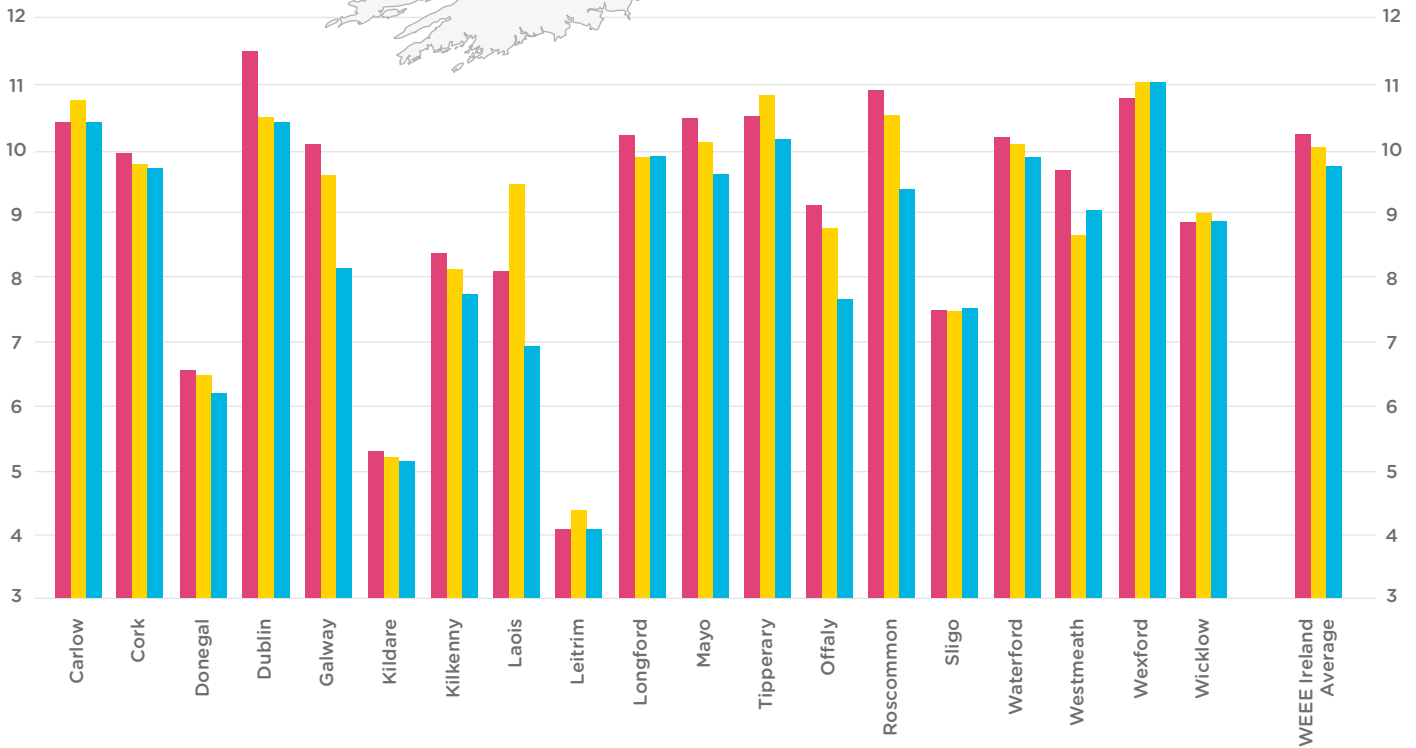
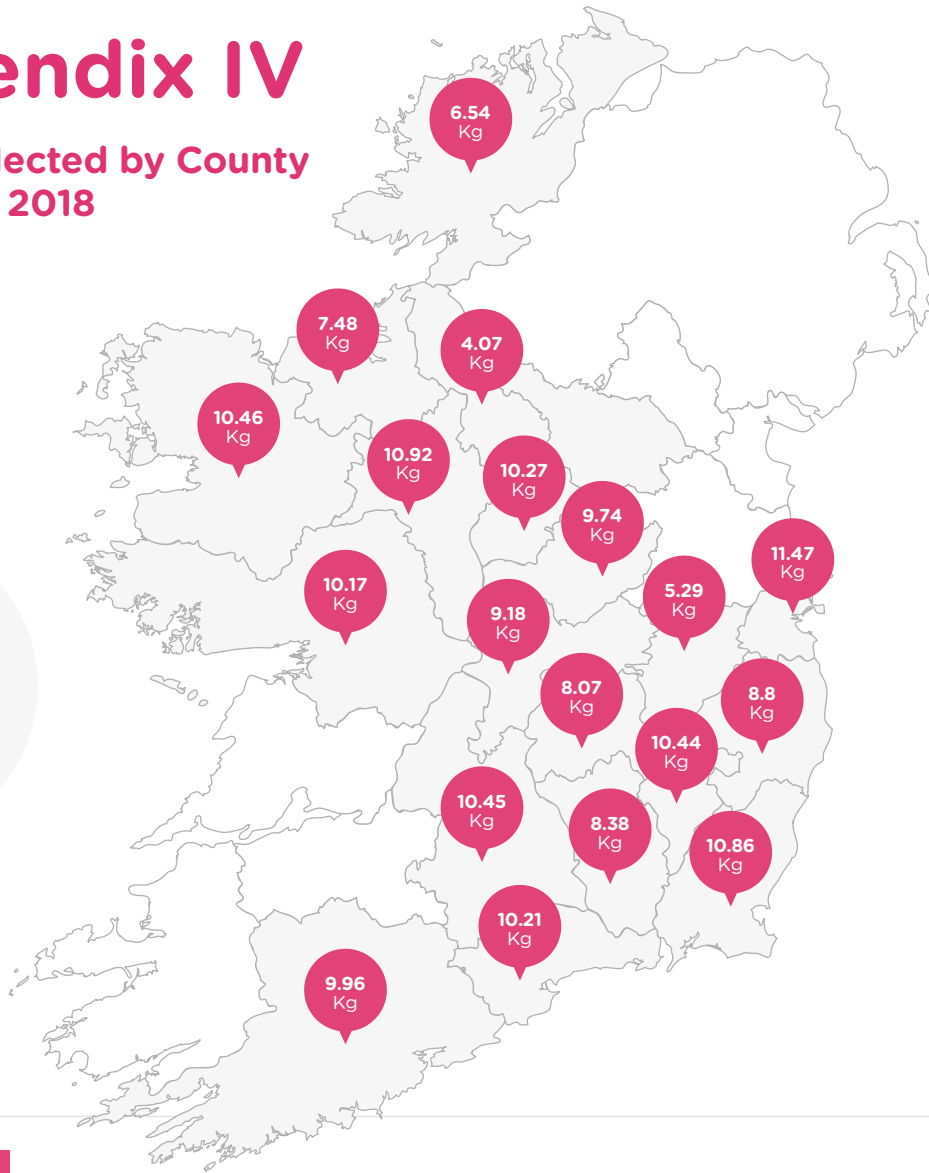
	POM 2015	POM 2016	POM 2017	POM 2018	B2C Takeback 2018	WI Collection Rate 2018*
	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	%
FF	7,482	8,362	8,936	9,654	5,925	72%
LHA	19,469	22,822	26,240	26,575	17,342	76%
Cat 2	7,010	6,412	5,646	6,015	2,054	32%
ITT	3,304	2,891	2,601	2,845	1,886	64%
Mons	552	538	592	722	247	44%
CE	3,270	3,084	3,158	3,060	1,763	56%
TVs	2,190	2,124	2,481	2,814	3,459	153%
lamps	1,208	1,542	2,010	1,946	426	27%
Lums	1,964	2,648	2,649	2,249	1,402	58%
Tools	2,229	3,048	3,162	3,553	1,394	49%
Toys	1,973	1,976	1,966	1,746	175	9%
Cat 8	353	104	93	123	1	0.5%
Cat 9	236	282	332	488	50	18%
Cat 10	30	27	28	30	6	20%
<b>Total</b>	<b>51,270</b>	<b>55,860</b>	<b>59,894</b>	<b>61,820</b>	<b>36131</b>	<b>65%</b>

\* Collection rate is calculated as a percentage of WEEE taken back for recycling compared to the average weight of EEE placed on the market in the preceding 3 years

<sup>14</sup> Certified to WEEELABEX quality treatment standard  
<sup>15</sup> Certified to WEEELABEX quality treatment standard  
<sup>16</sup> Certified to WEEELABEX quality treatment standard

# Appendix IV

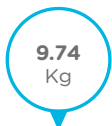
## WEEE Collected by County kg/person 2018



WEEE Ireland Average 2018



WEEE Ireland Average 2017

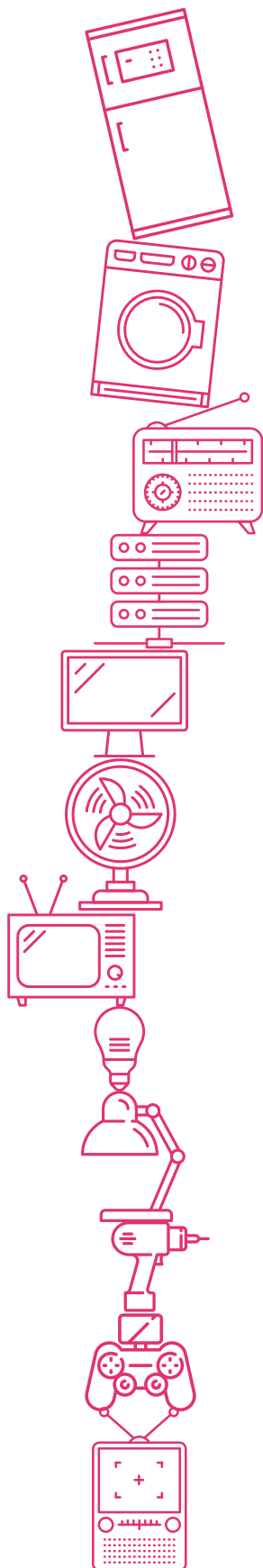


WEEE Ireland Average 2016

■ 2018 Collection Rate kg/person  
■ 2017 Collection Rate kg/person  
■ 2016 Collection Rate kg/person



# Appendix V - Member Listing 2018



247 Lighting  
3M Ireland Ltd  
A M Dunne & Son Ltd  
A. Hartmann & Son Ltd  
A.J.M. Multiple Services  
A.M.P. Distribution  
A.R. O'Hare & Co Ltd  
AB Power Systems Ltd  
Abacus Systems & Networks Ltd  
Abbott Laboratories Ireland Ltd  
ABC Abrasives Ltd  
Accu-Science Ireland Ltd  
ACEC Distributors Ltd  
Acoustic Technologies Ltd  
Actavo (Ireland) Ltd  
ADT Fire & Security Ltd  
AEF Limited  
Aereco Ltd  
Agfa Graphics  
Agfa Healthcare  
Agilent Technologies Ireland Ltd  
Agrihealth Ltd  
AHL  
Ailesbury Services  
AKH Concepts Ltd  
Alcon Eye Care UK Ltd  
Aldi Stores Ireland Ltd  
Allegro  
Allied Imports Ltd  
Alumina Lighting Ltd  
Amazon EU Sarl  
Amway (UK) Ltd  
Analab  
Anker  
Ann Summers  
Anthony Tully Components Ltd  
Apex Fire Ltd  
Apple  
Appleby Jewellers Ltd  
Applegreen Plc  
Appliance House Ltd  
AppliancesDelivered.ie  
Arc Tec Welding Ltd  
Arco  
Ardilaun Electrical Services Ltd  
Argos  
Arista Networks Limited  
Arjo (Ireland) Ltd  
Arkphire  
Armstrong Electronics Ltd  
Arrow  
Arrow Emergency Lighting Ltd

## Appendix V - Member Listing 2018

Ash Technologies Ltd	Biomerieux UK Ltd
Ashgrove Interparts Ltd	Bio-Sciences Ltd
Asistec	BirdGard Distributors Ltd / The Petsafe Superstore
ASOS	Black Diamond Equipment Europe GmbH
ATC Electrical & Mechanical	Bluestone Sales & Distribution Ltd
Atlantic Homecare	BMW Automotive (Ireland) Ltd
Atlantic IT	BNR Ltd
Atlantic Surgical Ltd	BOC Gases Ireland Ltd
Audi-Lab Hearing Specialists Ltd	Bodel Distributors Ltd
Aurora Lighting Ltd	Boosted Inc.
Auto Diesel Electric Ltd	Bord Gáis Energy Ltd
Automatic Identification Systems Ltd	Bose SMS Ltd
AVA Systems Ltd	Box.co.uk
Avaya International Sales Ltd	Boxine GmbH
Avcom	BP Multipage Ltd
AVE Europe	Brainlab
Avery Retail Ireland	Brand Addition Ireland Ltd
Avery Weightronix	Brett Supplies Ltd
AVIO	Brighter Image Ltd
Avista Medical	Britelux Lighting Ltd
Avocent International DAC	British Telecommunications PLC
Avonmore Electrical Co Ltd	Broadcast Technical Services Ltd
B Cool! the gadget store	Broderick Grass Machinery
B S Lewis Ltd	Brother Ireland DAC
B&G Ltd	Brown Thomas & Co. Ltd
B&Q Ireland Ltd	BSH Home Appliances Ltd
B&W Group Ltd	BT Ireland
B. Braun Medical Ltd	Burke Bros., Son & Co. Ltd
Baize House	Bushell Interiors Ltd
Banaghan & Co Ltd	Business Electronic Equipment Ltd
Barb Electrical Co Ltd	Buy It Direct
Barco N.V.	C&F Quadrant Ltd
Bard Ltd	Calcul
Barker Photographic Ltd	Camsaw Distributors Ltd
Barry Group	Canary Technology Europe Ltd
Batteryman Distribution Ltd	Canon (Irl) Business Equipment Ltd
Bayer Ltd	Canon Europa N.V.
BBikes	Capital Water Systems Ltd
BD Enterprises Ltd	CapsuleTech SAS
Beam Vacuum Systems Ltd	Card Factory Ireland Ltd
Beaumex	Cardiogenics Ltd
Bechtle Direct Ltd	Cargotec Ireland Ltd
Beckman Coulter Diagnostics Ltd	Casada
Becton Dickinson UK Ltd	Castit Ltd
Beechfield Healthcare Ltd	Castle Mechanical Handling Co Ltd
Beko Ireland	Caulfield Industrial Ltd
Bellew Electrical Wholesale Ltd	CCDC Developments Ltd
Beltronics Computers Ltd	CDW-I IT Solutions Ltd
bep Electrical Distributors	Celtic Surveys Ltd
Bering Time	CESCO
Better Energy Management Ltd	CH Marine Ltd
Bewleys Limited	Charlie Shiels Ltd

## Appendix V – Member Listing 2018

Chauvet Europe Ltd  
Cheetah Electronics Ltd  
Chemical Direct  
Chip Electronics  
Chronotherm Controls Ltd  
Chubb Ireland Ltd  
Cisco Systems  
Citrix Systems UK Ltd  
Citroen & DS Ireland  
City Electrical Factors  
Claire's Accessories (UK) Ltd  
Classic Hardware Ltd  
Click Litehouse Accessories Ltd  
Clifford Electrical Wholesalers Ltd  
Climote Ltd  
Cloney Audio  
Clover Germany GmbH  
CMS Distribution Ltd  
Coca Cola HBC Ireland Ltd  
Code42 Software Inc.  
Codec  
Codex Office Solutions  
Coffey Healthcare Ltd  
Cognex Ireland Ltd  
Colton Motors  
Combilift Ltd  
Competition Team Ireland Ltd (CTIL)  
Component Distributors  
Computerbits  
Comvoc Technologies  
Conns Cameras  
Convatec Healthcare Ireland Ltd  
Conway TV  
Cook Medical  
Cooney Electronics Ltd  
Core Electrical Ltd  
Cork Lighting Supplies  
Corry's Ironmongery Limited  
CPC  
Creative Distribution  
Crystal Media Ltd  
Curvature  
D H Meters Ltd  
D&P Multimedia Products Ltd  
D.I.D. Electrical  
Dactec Ltd  
Daikin  
Daktronics Ireland Company Ltd  
Daly Industrial Supply Company Ltd  
Dalys Electrical  
Damovo Ireland Ltd  
Danfay Ltd  
Darlo Enterprises  
Datapac Ltd  
Davcon Warehouse Machinery  
David Curran Wholesale  
David Lowe & Co Ltd  
DBS  
Deafhear.ie  
Debenhams  
Dell Products Ireland  
Dem Machines Ltd  
Demesne Electrical Sales Ltd  
Derrywood Agencies & Distributors Ltd  
Des D'Arcy Motors Ltd  
Design Light Ireland Ltd  
Diebold Nixdorf (Ireland) Limited  
Digicom Office Technology Ltd  
Direct Distribution  
Direct Medical Ltd  
Disruptive Technologies Research AS  
Diversey Ireland  
DNJ Power Tools  
Dominic Fleming Electrical Accessories Ltd  
Donaghey Motorhomes Ltd  
Donaghy Bros  
Doro AB  
DPP Electronics Ltd  
Draper Tools (Ireland) Ltd  
Dualtron Ltd  
Dublin City Cool Ltd  
Dunlevy Distributors  
Dunnes Stores  
DWN Instrumentation Ltd  
Dyson Ireland Ltd  
E. Fox (Engineers) Ltd  
E.J. Bodkin & Co Ltd  
EA Symmons Ltd  
Earthridge International Ltd  
Eason & Son Ltd  
EasyTrip Services Ireland Ltd  
Eaton Electrical Systems Ltd  
EBikes Ireland  
ECI JCB  
ECI Lighting Ltd  
Ecirette  
Eco Vision Ltd  
EDL  
Edwards Lifesciences Ltd  
EELI  
EET Europarts Ireland Ltd  
EEW Ltd  
Ei Electronics  
Eiko Ireland Ltd

## Appendix V - Member Listing 2018

Einhell UK Ltd	Fiat Chrysler Automobiles Ireland DAC
Eir	Fields Retail Limited
Elara Online	Findlater & Co.
Electraction Ltd	Finglas Autoparts Ltd
Electramed Ltd	Firemole Ltd
Electric Power Tool Co. Ltd	Fisher & Paykel Appliances Limited
Electro Automation Ltd	Fitzpatrick Wholesale
Electro Direct	Flaherty Markets Ltd
Elite Healthcare Limited	Flair Salon Services Ltd
EmCon Systems Ltd	Flakt Woods (Ireland) Ltd
Emerald Healthcare Ltd	Flame
Emergency Response Ltd	Fleming Medical Ltd
Emerson Process Management	FLIR
EMR Integrated Solutions	FLIR
Energy Automation Systems	FLIR Integrated Imaging Solutions Inc
Energy Conservation Solutions Ltd	Fluidigm UK Ltd
Energy Monitoring Ireland Ltd	Flux Electrical Services Ltd
Engineering & Power Tools	FMG Electronics
Environmental Monitoring Services Ireland Ltd	Fónua Ltd
EPH Controls Ltd	Food Solutions Ltd
Ernest Jones and H Samuel	Forcefield Active Technology Ltd
ES Forklifts	Ford Ireland
ESS Salesforce Ireland	Forescout Technologies Inc
Essential Accessories	Forklift Services & Handling Equipment Ltd
E-TEC Power Management Ltd	Fossil UK
Ethos Technology Ltd	Frank Flanagan Fittings Ltd
Euro Car Parts Ireland Ltd	Freesat
Euro Sales Ltd	FreeTv.ie
Eurogeneral Retail Ltd	Fresenius Medical Care (Ireland) Ltd
Eurolec Instrumentation Ltd	FTI Fire Technology Ireland Ltd
Euronics Ireland	Fujifilm Ireland
Europa Battery Distributors Ltd	Fujitsu (Ireland) Ltd
European Stoves & Fireplaces	Futura Electronics Ltd
Europower Battery Centre	G DALTON & CO LTD
Eurotree Wholesale Ltd	G2 Speech Ltd
EW Technologies Ltd	Gallagher Power Fence
EWL Electric Ltd	Gamucci Ireland Ltd
Excel Electric Group Ltd	Garo Electric Ireland Ltd
Excel Industries	Garrabridge Ltd
Exertis Ireland	Gas Networks Ireland
Exertis Supply Chain Services	Gavigan Electrical
Expro	GC Technology
Exsparetise Ltd	GE Energy (Ireland) Ltd
Extreme Networks Ireland Ltd	GE Healthcare Ireland
ezSmoke	GE Lighting Ltd
Fagerhult Lighting Ltd	GE Medical Systems Ireland Ltd
Fannin Ltd	GE Sensing EMEA
Fantasy Lights	Gear4Music Ltd
Farm Lighting	Gearys Garage Ltd
Farnell Components UK Ltd	Genband Ireland Ltd
Fergusons Hearing Aid Clinic Ltd	General Electric Global Services GmbH
FG Wilson Engineering (Dublin) Ltd	General Lighting



## Appendix V – Member Listing 2018

Genfitt (Mayo) Ltd  
Gersan Services Ltd  
GHO Distribution Ltd  
Glamox Ireland Ltd  
Glas Energy Technology  
Glen Dimplex Heating & Ventilation Ireland UC  
Glen Dimplex Ireland  
Glenkrag Ltd  
Globalstar Europe Satellite Services Ltd  
GoBeyond Ltd  
Goldcrop Ltd  
Golf Concepts  
GOLF GLIDER  
Golf Style Ltd  
Google Commerce Limited  
Gowan Distributors Ltd  
Grandons Toyota  
Grant Engineering Ireland Ulc  
Green Connection  
GreenDisti Ltd  
Greenhouse Ireland  
Groupe SEB UK Ltd  
H.E.R. Photo Supplies Ltd  
Hafele Ireland Ltd  
Hager Ltd  
Hahnel Industries Ltd  
Hanleys of Ashford  
HappyorNot  
Harvey Nichols  
Harvey Norman Trading (Ireland) Ltd  
Healthcare 21  
Heatmerchants Group  
Heatons  
Helvetic  
Henley Forklift Group Ltd  
Henry Schein Ireland Ltd  
Herron & Son Ltd  
Hi Fidelity AV Ltd  
Hi Volt Ireland Ltd  
HifiHut  
Highcove Unlimited Company  
Highway Wholesalers Ltd  
Hijack Tools Ltd  
Hill-Rom Ltd  
Hilti (Fastening Systems) Ltd  
Hitachi  
Hitechniques Ltd  
Home Health Care Ltd  
Homebase  
HomeBots.ie  
Homecare Medical Supplies  
Homeline  
Homestore & More  
Honeywell Control Systems Limited  
Hoover Ltd  
Hospital Services Ltd  
Hot Water Control Ltd  
Huawei Technologies (Ireland) Co. Ltd  
Hubris Ltd  
Hugh Jordan & Company Ltd  
Humanscale International Holdings Ltd  
Hyundai Cars Ireland  
IBB Dublin LTD  
IBM Global Financing Ireland Ltd  
IBM Ireland Ltd  
IC Realtime  
ICU Medical U.C.  
IFM Electronic (Ireland) Ltd  
IKEA Ireland Ltd  
Ille Service (IRL) Ltd  
Impulse Agencies  
In Hand Guides  
In The Market  
Indur ( Wholesale) Ltd  
Ingersoll Rand International Ltd  
Instrument Technology Ltd  
Inter Konnect  
Interactive (Ireland) Ltd  
Interaxon IR Ltd  
Ion Solutions  
IOResource Ltd  
Irish Aviation Authority  
Irish Broadband Services Ltd  
Irish Commercials (Sales) Ltd  
Irish Farm & Garden Machinery Ltd  
Irish International Trading Corporation (Cork) Plc  
iRobot  
IT Direct  
J H Donnelly Ltd  
J&S Automotive Distributors  
J.S. Dobbs & Co Ltd  
JA Solar GmbH  
Jaymark Sales & Marketing Ltd  
JDM Products Ltd  
Jeffers Music Company Ltf  
Jelan Trading  
Jimmy Choo  
Jinko Solar GmbH  
JML Direct Ltd  
Joe King Batteries  
John Deere Forestry Limited  
John McKenna Lawnmower Spares Ltd  
John Murphy (Castlerea) Ltd  
John Stafford & Sons Dublin Ltd

## Appendix V - Member Listing 2018

Johnson & Johnson Ireland Ltd	Light Controls
Josef Kranzle GmbH & Co KG	Lights4fun Ltd
Joseph Murphy (Ballina) Ltd	Linde Material Handling (Ireland) Ltd
Jovi International	Littlewoods Ireland
Joyces Supermarket	LR Active Ltd
JTI Ireland Ltd	Lumeno
Julius Blum GmbH	Lumitech Ltd
Jungheinrich Lift Truck Ltd	Lyncare Ltd
JVC Kenwood UK Ltd	Lyric Ireland Ltd
KAL Kitchen Accessories Ltd	M Donnelly & Co Ltd
Karcher Limited	M J Flood (Irl) Ltd
KB Consumer Goods (IRL) Ltd	M. Kelliher 1998 Ltd
KCI Medical Ltd	Magimix UK Ltd
Keaney Medical Ltd	Magnet Networks Ltd
Kelbert Instrumentation Ltd	Mallow's Number 1 Vape Shop
Kenny Distributors Europe	Mamas & Papas Retail Ltd
Kenny Galway	Manepa Ltd
Kenwood Ltd	Manotherm Ltd
Kestra Electroweld Ltd	Maplin Electronics Ltd
Kestrel Communications Ltd	Maquet Ireland Ltd
Kia Motors Ireland	Marks and Spencer (Ireland) Ltd
Kilkenny Welding Supplies Ltd	Martin-Brower Ireland Ltd
Kix/ Nicofresh	Mason Technology Ltd
KLA Tencor Ireland Ltd	Maurice Doody Sales Ltd
Komplett	Max Burns
Kontinental Kitchen Supplies	Mazda Motor Ireland
KOS Ergonomic Solutions Ltd	McCabes Pharmacy
Kyron Street Ltd	McCarthy Commercials Ltd
L M Ericsson Ltd	McDowell's Jewellers
Laboratory Instruments & Supplies	McElligotts (Tralee) Ltd
Labquip (Ireland) Ltd	McGrath Electronics Components Ltd
Lakeland Ltd	McHale Plant Sales Ltd
Lamp Source	McHugh Components Ltd
Lamps & Lighting Ltd	MCK Electrical Ltd
Landis+Gyr Ltd	Mckechnie Cleaning Services Ltd
Lapierre	McKeon Construction Ltd
Laser Tech Ireland	McLoughlins RS
Laztech	McQuillan Tools
Leading Edge Marketing & Promotions Ltd	McQuillan Wholesale Ltd
LED Group	Medical Supply Co. Ltd
Ledvance Ltd	Medicare Health & Living Ltd
Leisure Batteries Ireland	Meditec Medical Ltd
Lennox	Medlock Electrical Distributors
Lenovo	Medray Imaging Systems
Lenovo Global Technology Ireland Limited	Medtronic Ireland Limited
Levelling Equipment Services Ltd	Memory Bank
Leydens Ltd	Merck Millipore Ltd
LG Electronics (UK) Ltd	MGD Jewellery
Libelium Comunicaciones Distribuidas S.L.	MGI Luxury Group SA
Lidacel Ltd	Michael Garry Ltd
Lifes2good	Michael Guiney Limited
Liffey Distributors Ltd	Michael Madden International

## Appendix V - Member Listing 2018

Michael McPhillips  
Michel Herbelin UK Ltd  
Michel Jewellers  
Mickey Joe's Country Trading  
MicroWarehouse Ltd  
Midland Lighting  
Miele Ireland Ltd  
Mirai Medical Ltd  
Mitsubishi Electric Ireland  
Mitsubishi Motors Ireland  
MK Illumination Ireland Ltd  
MMD Distribution Ltd  
Mobiwire  
Modern Plant Limited  
ModusLink  
Monaghan Electrical Wholesale Ltd  
Monbatt Ltd  
Mongey Communications  
Mothercare Ireland Ltd  
Mothercare World Ltd  
Motor Distributors Ltd  
Mountband Trading Ltd  
MP Doyle Ltd  
Mr Price Branded Bargains  
MT Agencies Ireland Ltd  
Mullinahone Co-op  
Mullingar Electrical Wholesale Ltd  
Munster Forktruck Ltd  
Murray Woods  
Murrays Medical Equipment Ltd  
Musco Lighting Ireland Ltd  
Musgrave Retail Partners Ireland Ltd  
Musgrave Wholesale Partners  
Musicmaker Ltd  
Musicstore Professional GmbH  
Musikhaus Thomann  
MVI Hazel Ltd  
MWD Electronics  
MySatNav  
Myson  
N.A.A. Appliances Ltd  
N.E.L. (Services) Ltd  
National Autoparts  
National Electrical Wholesalers (Irl) Ltd  
National Instruments Corp (UK) Ltd  
National Pen  
Naturalife Health  
Neptune by Global Village  
Nespresso UK Ltd  
Nest  
New Era Lighting Ltd  
New Look Retailers (Ireland) Ltd  
Newbridge Silverware  
Next  
Niall Stephenson Ltd  
Nike Retail Ireland  
Nike UK - Irish Branch  
Nikon UK Limited  
Nilfisk Ltd  
Nisbets Ireland  
Nissan Ireland  
Nolan Distribution  
NordicTrack, ProForm, iFit  
Norso Medical Ltd  
Northwood Technology Ltd  
Noviled High Technology Lighting Ltd  
NuLumenTek Ltd  
Nuwave Sensors  
O Flynn Medical Ltd  
O'Callaghan Leisure Ltd  
O'Connell Batteries Ltd  
O'Donovan Engineering Co Ltd  
Office Pro  
OHM Group  
OKI Europe (UK & Ireland)  
Oktalite Lichttechnik GmbH  
Olympus Ireland  
O'Meara Camping Ireland Ltd  
O'Neills Electrical Ltd  
Opel Ireland  
OpenBet Retail Ltd  
Optical Sciences (Irl) Ltd  
Oracle Corporation  
Orega Systems Ltd  
Origo  
Osleder Ltd  
Osram Ltd  
Otter Products EMEA  
Outdoor Garden Products Ltd  
Oxfam Ireland  
Oxygen-Care Ltd  
PAC Products  
PAGL Ireland Ltd  
Panasonic UK  
Passax Business Systems and Supplies Limited  
Pat O'Flynn Scales Ltd  
Patina Lighting Ltd  
Paul Sheeran Jewellers Ltd  
Pazion Trading  
PBL  
PC Peripherals  
PC Pro Computers Ltd  
PC Systems Ltd  
Peats Wholesale Ltd

## Appendix V - Member Listing 2018

Penneys	Radio & Security Products Ltd
Perrigo	Radiometer Ireland Limited
Personal Computer Science (IRL) Ltd	Radius Communications
Peter Curran Electric Ltd	RangeKing
Peter Mark	Royal
Petmania & Meubles	RB Ireland
PFH Technology Group	Reagecon Diagnostics Ltd
Phibsboro Electrical Wholesalers Ltd	Reality Energy Solutions Ltd
Philips Electronics Ireland Ltd	Reg Farrell Engineering Ltd
Philips Lighting Ireland Ltd	Rehan Electronics Ltd
Phoenix Contact (Ireland) Ltd	Reichelt Elektronik
PhoneWatch Ltd	Reliable Controls Corporation
Photo Import Ltd	Reliable Security Products Ltd
PHS Washrooms	Renault Ireland Ltd
PHS Washrooms	Renault Trucks Ireland
PHS West Inc.	Rennicks Signs Ireland
Pianos Plus	Rentokil Initial Ltd
Pinewood Healthcare	Reynolds of Raphoe
Pingwave Technologies Ltd	Rhino Industrial Ltd
Pioneer & Onkyo	Rhonda Ltd
Pioneer DJ Europe Ltd	Richer Sounds
Pioneer Europe NV	Ricoh Ireland Ltd
Piotr Sznepka	Right-Click
Pitney Bowes (Irl) Ltd	Roc Ronoco
Platinum International Ltd	Roche Diagnostics Ltd
Playertek	Rockford Healthcare Ltd
Polycom (Netherlands) B.V.	Ronseal Ireland Ltd
Porsche Centre Dublin	Rota Industries Ltd
Potterton Myson Ireland Ltd	RPM Sports
Power City Ltd	RS Components
Power Providers Ltd	RSL Medical
Powerline	RVR Energy Technology Ltd
Powerpoint Engineering Ltd	S&P Ireland Ventilation Systems Ltd
PPG AC Ireland Ltd	Sage Pay Ireland
PR Reilly Ltd	Sally Salon Services (Ireland) Limited
Preslite Ireland	Salon Savers
Production Equipment Ltd	Sam McCauley Chemists
Professional Audio Ltd	Samsung Electronics UK Ltd
Profile Lighting and Power	Sanbra Fyffe
Progress Electroplating & Manufacturing Co. Ltd	Save You Services Ltd
Prosoft	SC Data Systems Ltd
Prospect Network Services Ltd	Scan Coin Ireland Ltd
Pure Storage International Ltd	SCE
QES Ltd	Schneider Electric Ireland
QFF Distribution	Schneider Electric IT Logistics Europe Ltd
Quaestor Analytic Ltd	Scientific Games Worldwide
Qualvecom	Scott Sportech Ireland Ltd
Quest Merchandise Ltd	Secure Power Systems Ltd
Quicktec Computers Ltd	Sennheiser Uk Ltd
QVC	Serfac Ltd
R K Wholesale Ltd	Sex Siopa
R.T. Large & Son Ltd	SFW Distribution



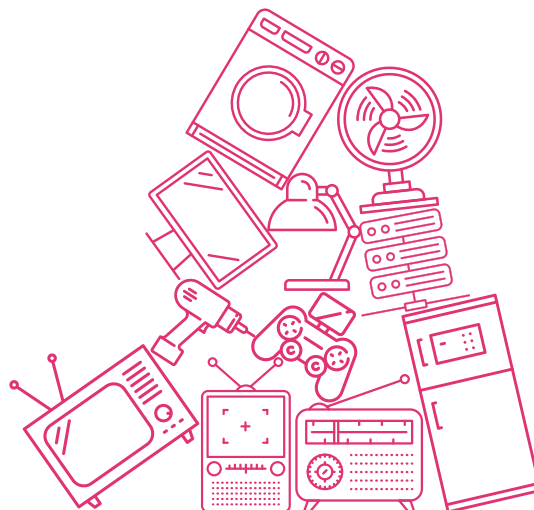
## Appendix V – Member Listing 2018

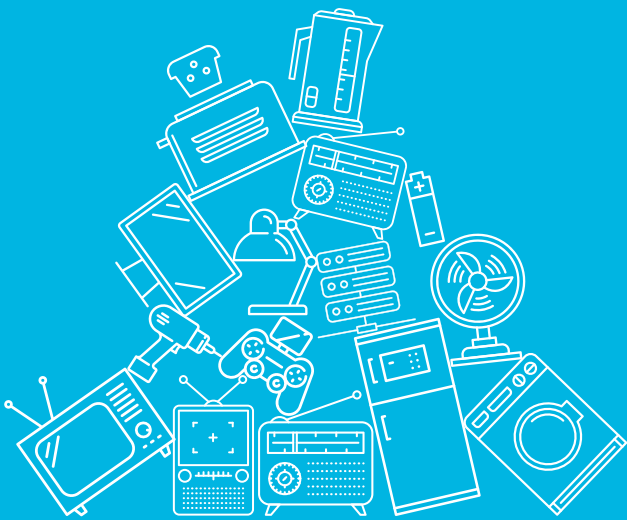
Shinola  
Shomar Ltd  
SHS  
Siemens Gamesa Renewable Energy  
Siemens Healthineers  
Siemens Ltd  
Sight and Sound Distributors Ltd  
Sigma Wireless Communications Ltd  
Sigma-Aldrich Ireland Ltd  
Sigteq  
Silverstone Media Solutions Ltd  
Singer Sewing Centre  
Singer Sewing Centre  
SISK Healthcare UC  
Skechers  
SKS Communications Ltd  
Skullcandy International GmbH  
Smart Electrics Wholesale Ltd  
Smartbits  
Smartfrog Ltd  
Smeg  
Smiggle  
Smiths Medical  
Smoke Green Ltd  
Smyths Toys  
Snap Group Ltd  
Solas Geal Distribution Ltd  
Solus  
Somora Motor Parts Ltd  
Sonos Europe B.V.  
Sound Productions Ltd  
South Coast Sales  
South West Wholesale Ltd  
Spaldings Ltd  
Spectrum Distribution Ltd  
SPG Packaging Ireland Ltd  
Spicers Ireland Ltd  
Spraychem Environmental  
Sprayquip Limited  
SQ9  
Square One Distribution Ltd  
SRL International Concepts Ltd  
Stafford Lynch Ltd  
Stanley Black & Decker Ireland  
Stanley Security Solutions  
Staples Advantage (Irl) Ltd  
STC Socket Tool Company Ltd  
Stephen O'Brien Retail Systems Ltd  
Stillorgan Decor Centre  
StorageCraft Technology Unlimited Company  
Strongline Autoparts Ltd  
Subaru Ireland  
SUEZ Water Technologies and Solutions Ireland Ltd  
Sulzer Pump Solutions Ireland Ltd  
Sundrelle Ltd  
Superdrug  
Supergroup Retail Ireland Ltd  
Sureweld International Ltd  
Survey Instrument Services Ltd  
Suzuki Cars Ireland Ltd  
Swico Ltd  
Switch Distribution Ltd  
Symantec Ltd  
System Video Limited  
T & T Fitness Systems Ltd  
T.P. Whelehan Son & Co. Ltd  
Targetti Poulsen  
Tech Data Distribution Ltd  
Tech Data Ltd  
Tech Shop  
Technetix  
Technico Ltd  
Tech-Source Ltd  
Tecoled Ltd  
TED Ltd  
TEF Tullamore Ltd  
Tegral Lighting  
Tekelek Europe Ltd  
Tekhnopak Manufacture Limited  
Tektronix International Sales GmbH  
Tektronix UK Ltd  
Telent Technology Services Ltd  
Tempcheck  
Teradata Ireland Ltd  
Tesco  
Tesco Mobile  
Tesla Motors Ireland Ltd  
Texas Instruments EMEA Sales GmbH  
Thane Direct UK Ltd  
The Accessory Company  
The Cope  
The Disney Store  
The Forklift Centre  
The Panelling Centre  
The Range  
The Sound Shop  
The Swatch Group (UK) Limited  
The Vapormatic CO (Ireland) Ltd  
TheMobilityShop.ie  
Thermalimage  
Thermo Fisher Diagnostics (Ireland) Ltd  
Thermomix  
Three Ireland  
Tiger Retail Ireland

## Appendix V - Member Listing 2018

Tile Inc.  
 Tim Molloy Ltd  
 Time Power  
 Timemark Ltd  
 Tokyo Electron Europe Ltd  
 Toolbank  
 Toolfix  
 Toomey Audio Visual Ltd  
 Topcon Ireland  
 Toshiba Global Commerce Solutions (UK) Ltd  
 Total Import Solutions  
 Total Materials Handling Ltd  
 Total Power Solutions  
 Toyland Cash & Carry Ltd  
 Toymaster Ltd  
 Toyota Ireland  
 Transpoco  
 Trend Machinery & Cutting Tools Ltd  
 Trend Micro (EMEA) Ltd  
 Triace Ltd  
 Trina Solar  
 Trulife Ltd  
 TTS Tooltechnic Systems Limited  
 Tucks O'Brien Ltd  
 Tungsram  
 Tyrell  
 UK Juicers  
 UMC  
 Uniphar Wholesale  
 Unisys  
 Unisys Computer Services (Ireland) Ltd  
 Universal Catalogue Club  
 Universal Honda Ltd  
 Upgrade Options Ltd  
 Uppercross Enterprises Ltd  
 UrbanVolt Ltd  
 Urbis Schreder Ltd  
 UTC Fire & Security Ireland Limited  
 UTS Technologies Ltd  
 ValueComs  
 Veelite Technologies Ltd  
 VELUX Company Ltd  
 Verde LED Ltd  
 Veritas Storage (Ireland) Ltd  
 Vertiv Ireland Ltd  
 Vestas Ireland Ltd  
 Vico Electronics Ltd  
 Victoria Crystal Ltd  
 VIP Electronic Cigarettes  
 Vita-Mix Europe Ltd  
 Volkswagen Group Ireland Ltd  
 Volvo Car Ireland Ltd

Vygon Ireland Ltd  
 V-ZUG Europe BVBA  
 Wacker Neuson  
 Walter Bourke and Son Ltd  
 Waltons Music Limited  
 Waterford Stanley Ltd  
 Watersave  
 Waveguide Lighting Technologies Ltd  
 Weber-Stephen Deutschland GmbH  
 Weighing Machine Services Ltd  
 Weir & Sons  
 Wesco Electrical Ltd  
 Westbourne IT Solutions Ltd  
 Westcoast Ireland  
 Westward Scania  
 Whirlpool Ireland Appliances Ltd  
 Whitelight LED Ltd  
 Wildcat Business Computing Ltd  
 Willie Duggan Lighting Ltd  
 Wiltec Wildanger Technik GmbH  
 Wink Lighting Ltd  
 Winora-Staiger GmbH  
 Woodies DIY & Garden Centres  
 WP Diagnostics  
 Wurth Ireland Ltd  
 X music Ireland Limited  
 Xerox IBS Ltd  
 Xpress Electrical  
 ZAGG International Distribution  
 Zebra Technologies Europe Ltd  
 ZG Lighting (Ireland) Ltd  
 Zintek Systems Ltd





## **WEEE IRELAND**

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