



# New York State

# Battery Stewardship Annual Report

REPORTING PERIOD: JANUARY – DECEMBER 2021

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# NEW YORK STATE BATTERY STEWARDSHIP ANNUAL REPORT – 2021

## Battery Recycling Collections

In 2021, Call2Recycle collected a total of 225,599 lbs. of rechargeable batteries and 1,307 lbs. of cell phones. Below please find the specific recycling collection data for 2020 & 2021 by material type:

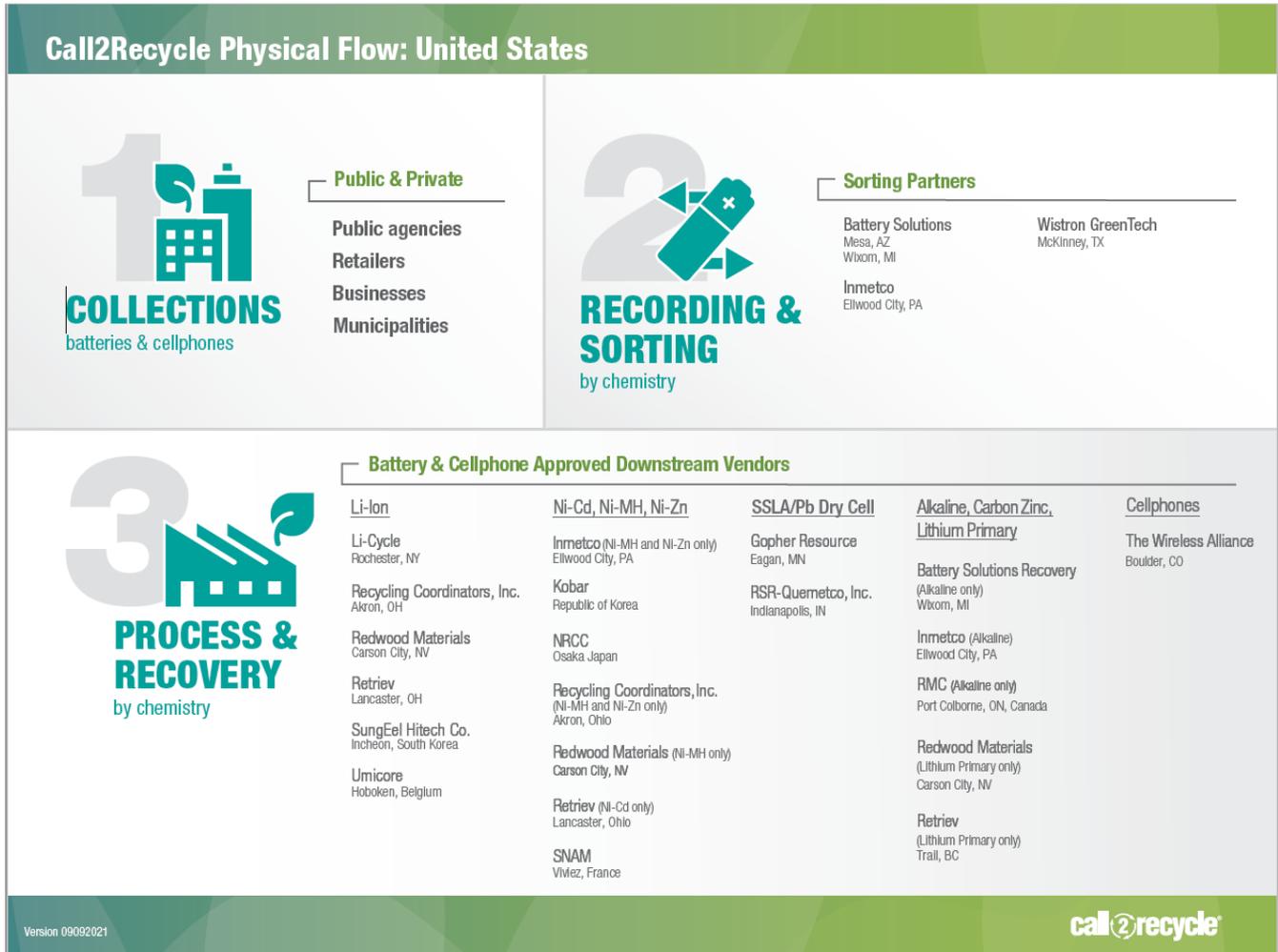
<b>Battery Collections (lbs.)</b>				
<b>Material Type</b>	<b>Material Name</b>	<b>2020</b>	<b>2021</b>	<b>Change in Lbs.</b>
<b>Rechargeable</b>	SSLA/Pb	71,811	67,993	-3,818
<b>Rechargeable</b>	Li-Ion	56,140	72,814	16,674
<b>Rechargeable</b>	Ni-Cd	73,416	67,368	-6,048
<b>Rechargeable</b>	Ni-MH	19,672	17,424	-2,248
<b>Primary</b>	Alkaline/Carbon Zinc	30,555	41,613	11,058
<b>Primary</b>	Lithium	2,410	3,305	895
<b>Cell Phone</b>	Cell phone	1,231	1,307	76
<b>Cell Phone</b>	Accessories	16	15	-1
<b>Other</b>	Other	1,223	894	-329
<b>Total Pounds Collected</b>		256,474	272,733	16,259
<b>Total Pounds Rechargeable Batteries</b>		221,039	225,599	4,650

Below please find the rechargeable battery recycling data for 2021 by industry sector:

<b>Rechargeable Battery Collections by Sector (lbs.)</b>	
<b>Sector</b>	<b>2021</b>
<b>Retail/Wholesale</b>	149,378
<b>Public Agency / Municipality</b>	44,038
<b>Business</b>	12,592
<b>Manufacturing</b>	19,591

## Proper Battery Management

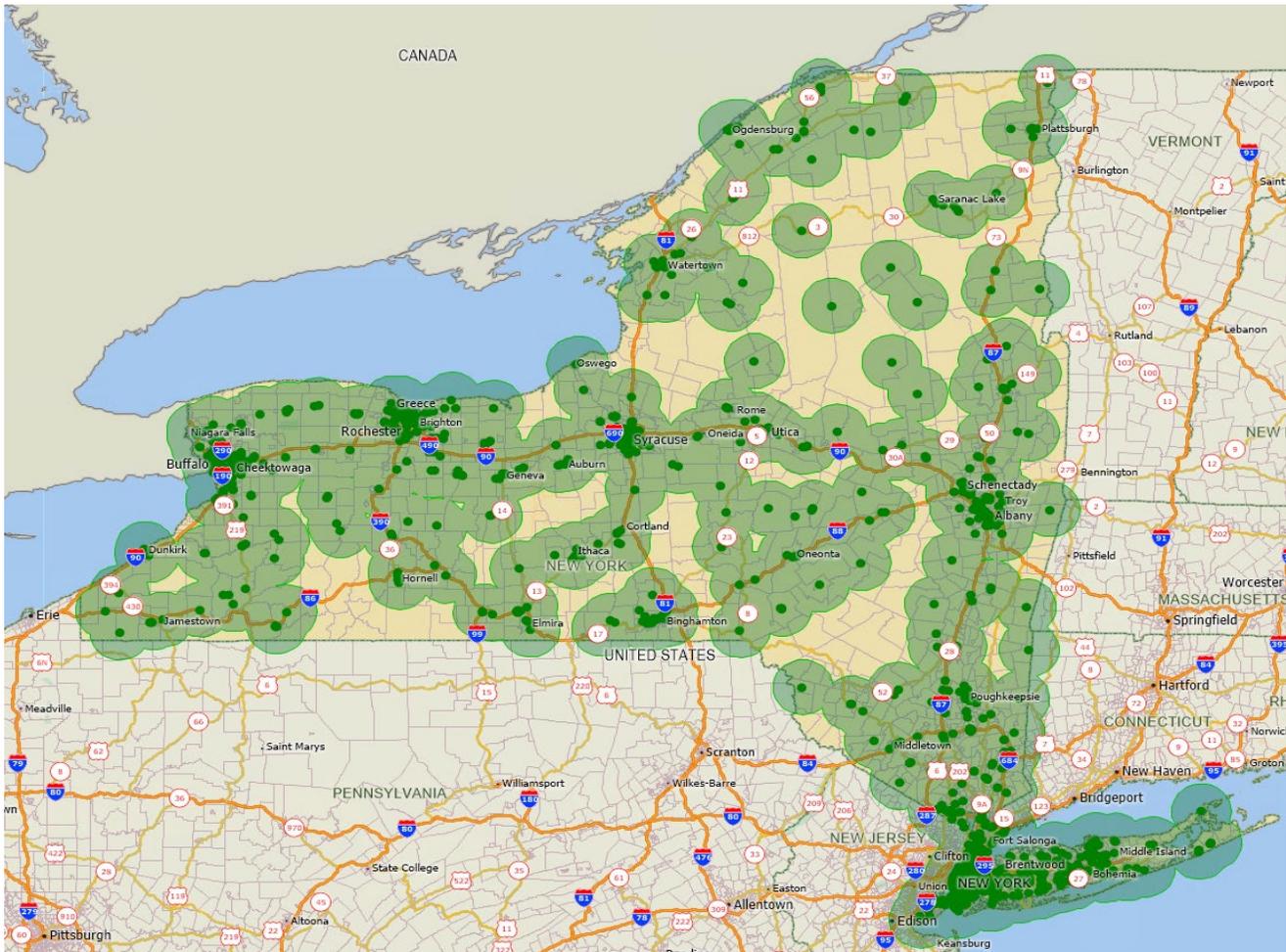
Batteries collected from New York State residents are transported to sorting facilities, where they are separated by battery chemistry and then sent to appropriate specialty processors. These processors extract material to be used in the manufacturing of new products. Below please find the "physical flow" of where batteries go after being dropped off at a Call2Recycle participating collection site.



Batteries collected through the Call2Recycle program are responsibly and safely recycled according to Responsible Recycling (R2) standards. Cellphones are either refurbished and resold or recycled, with the proceeds used to fund the cellphone collection program and educational outreach.

## Public Recycling Site Accessibility

To optimize the percentage of the U.S. population that has access to battery and cellphone recycling through the Call2Recycle collection site network, Call2Recycle has developed a standard for measuring public recycling accessibility, specifically for batteries and cellphones. This accessibility rate measures the percent of a state's population that lives within a 10-mile radius of an available Call2Recycle drop-off location. By year's end of 2021, Call2Recycle achieved a 96.1% accessibility rate in New York State. Please see the below map for specific details.



Site Type	Number of Sites - 2021
Number of Active Public Sites	498
Number of Active Private Sites	568

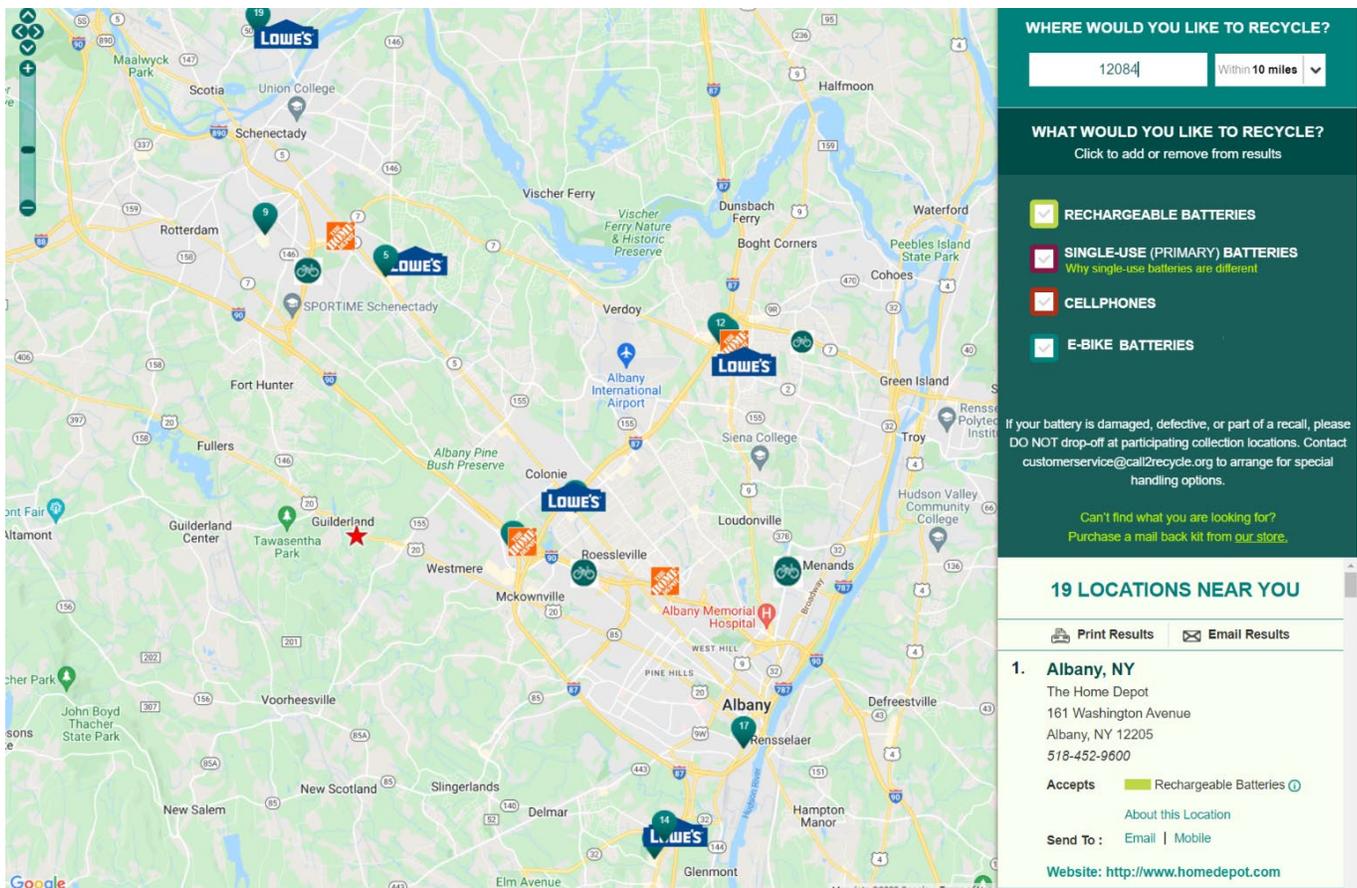
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## Website Statistics

Call2Recycle's outreach efforts focus on driving consumers to our interactive website, which provides educational resources and a locator to identify convenient battery recycling drop-off sites.

One of the most viewed sections of the website is the public drop-off site locator tool. This tool allows New York State residents to enter their City/Town or zip code to find the nearest Call2Recycle participating site to recycle their used rechargeable batteries.

The locator tool was used 124,592 times by New York State residents to find a Call2Recycle drop-off location.



[www.call2recycle.org](http://www.call2recycle.org)

## Outreach & Customer Service Activity

Call2Recycle's Customer Service Team fields hundreds of daily inquiries from collection sites and consumers across the country. These inquiries are from the approximately 1,066 private and public battery collection sites in New York State.

Call2Recycle's Customer Service Team fielded the following inquiries from New York State:

New York State Activity	2021 Totals
Calls or Service Tickets (web-based, emails, etc.) from Collection Sites into Call2Recycle Customer Success Team	345
New Collection Sites Added	357
Rate of New Sites that Recycled Batteries in 2021	9%
Call2Recycle collection boxes sent to collection sites	8,184
Call2Recycle collection boxes returned from collection sites	8,693

## Damaged, Defective, or Recalled Lithium-Ion Batteries

The safe handling, transport, and disposal of used batteries, specifically lithium-based batteries, continues to be a core tenet of the Call2Recycle program. A difficult to manage subset of lithium-ion batteries are those deemed Damaged, Defective, or Recalled (D.D.R.).

Per U.S. Department of Transportation regulations, D.D.R. batteries require special handling and cannot be placed in a traditional Call2Recycle collection box. In 2019, Call2Recycle began offering U.S. collection sites compliant and easy-to-use specialty storage and shipping kits (see below). Call2Recycle provided 138 DDR kits to New York collection sites to safely transport and recycle these batteries in 2021.

EXAMPLE OF A DDR BATTERY



CALL2RECYCLE DDR KIT



## Active Participating Stewards

3M Automotive Aftermarket Division  
3M Constrctn & Home Imprv  
3M Electrical Markets Division (E.M.D.)  
3M Food Safety Division (F.S.D.)  
3M Medical Solutions Division (M.S.D.)  
3M Oral Care Solutions Division (OCSD)  
3M Personal Safety Division  
A2Z Development Center Inc.  
Acer America Corporation  
Ademco  
Aero Design, Inc  
Allied Intl/Allied Tools  
Alta Cycling Group, L.L.C.  
Amazon.com, Inc.  
American Honda Motor Co., Inc.  
American Toppower  
A.O.B. Products Company  
A.P.C. America Inc. Schneider Electric  
Arlo Technologies, Inc.  
Arris Group, Inc  
Asus Computer International, Inc.  
Away  
Baccus Global L.L.C.  
Balmuda Inc.  
barnesandnoble.com, L.L.C.  
Bayco Products, Inc.  
Belkin International, Inc.  
Best Buy Co., Inc.  
Bissell Homecare, Inc  
Bose Corporation  
Boxine US, Inc.  
Brother International Corporation  
Canadian Tire Corporation, Ltd  
Canon Canada Inc  
Canon U.S.A., Inc.  
Car Mate U.S.A. Inc.  
Century Optron Inc.  
Chervon HK Limited  
Chervon HK Limited/Lowe's  
Chervon HK Limited/The Home Depot  
Cisco Systems Inc.  
Cleva North America, Inc.  
Computer Technology Link Corp (DBA CTL)  
Conair Corporation  
Daye North America  
Deere & Company (John Deere)  
Dell Canada Inc.  
Dell Inc  
Deltran USA LLC

Dongguan Golden Cel Battery Co  
Dorcy International  
Duracell Canada Inc  
Duracell U.S. Operations  
Dynabook Americas, Inc  
Dynabook Canada Inc  
Eaton Corporation  
Echo Incorporated  
Empiric  
Enerco Group Inc.  
Energizer Holdings, L.L.C.  
EnerSys Delaware Inc.  
Epson America, Inc.  
Fdk America, Inc.  
Fedco Electronics, Inc.  
Finish Thompson, Inc.  
Fuji Electronics (Shenzhen) Co, Ltd.  
FujiFilm Holdings America Corp  
Fujitsu America  
Garmin International, Inc  
GiiNii Tech Corporation  
Global Technology Systems, Inc  
Globe (Jiangsu) Co., Ltd  
Google, Inc.  
GRACO, Inc.  
G.S. Yuasa Energy Solutions, Inc.  
Guangdong Fenghua New Energy Co. Ltd.  
Guangzhou Great Power Energy & Technology Co., Ltd.  
Guangzhou Great Power Energy Tech Co L.T.D.  
Harman International Industries, Incorporated  
Hewlett Packard Inc  
Hilti, Inc.  
HoMedics U.S.A., L.L.C.  
Honeywell International Inc.  
Hong Kong Highpower Technology Ltd.  
H.P. Inc.  
H.T.C. Corporation  
Huawei Device U.S.A. Inc  
Husqvarna AB  
HYTORC Industrial Bolting Systems  
IDX System Technology Inc  
Inspired Energy, L.L.C.  
Intermetro Industries Corp  
Invacare Corporation  
Invox Hardware Limited  
iRobot Corporation  
Jasco Products Company

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J.C. Technology Inc dba Ace Computers  
Jiawei Technologies (U.S.A.) Ltd.  
JIN CO Ltd  
J.L.G. Industries Inc  
JVCKENWOOD USA Corp  
KAN Battery Co., Ltd  
Karcher North America  
Keyence Corporation of America  
Koki Holdings America Ltd  
Koki Holdings Canada Co., Ltd  
Konica Minolta  
Kwonnie Electrical Products Ltd  
L3Harris Technologies Inc  
Ledvance, L.L.C.  
LEGO Brand Retail, Inc.  
Lenovo (United States) Inc.  
L.G. Electronics Canada, Inc.  
L.G. Electronics U.S.A., Inc.  
L'Image Home Products Inc.  
Logic Technology Development  
Logitech Inc.  
Luxottica of America  
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Makita U.S.A. Inc.  
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Metabo Corporation  
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Motorola Mobility, L.L.C.  
Motorola Solutions, Inc.  
MTRLC LLC  
National Power Corp  
Neptune Technology Group Inc.  
Netgear, Inc.  
Nikkiso America, Inc.  
Normark Innovations Inc.  
Novel Direct  
O2COOL, LLC  
OM Digital Solutions Americas, Inc.  
Omron Healthcare, Inc  
Oracle America, Inc.  
Panasonic Corporation  
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Pellenc America Inc.  
Philip Morris U.S.A. Inc.  
Philips  
Pitney Bowes, Inc.  
Plantronics Inc. (Poly)  
Police Security

Positec Tool Corporation  
Power Products  
Privoro, L.L.C.  
ProTeam, Inc.  
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Ricoh Imaging Americas Corporation  
Ridge Tool Company (RIDGID)  
Riese Und Muller GmbH  
RJ Reynolds Vapor Company  
Robert Bosch Tool Corporation  
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RRC POWER SOLUTIONS  
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Sato America Inc  
Scosche Industries, Inc.  
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Senco Products, Inc.  
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Shanghai PYTES Energy Co., L.T.D.  
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Sharp Electronics Corporation  
Sigma Corporation  
Snap-on Incorporated  
Sonos, Inc.  
Sony Corporation of America  
Southwick Technologies Inc  
Southwire Company, L.L.C.  
Stanley Black & Decker, Inc.  
Stihl Incorporated  
Stihl Limited  
StorTronics  
Streamlight, Inc.  
Summer Infant, Inc.  
SUNBEAM PRODUCTS  
TCT Mobile Canada Limited (CA10)  
TCT MOBILE INC-ALCATEL BlackBerry  
Techtronic Cordless GP  
Techtronic Industries GmbH  
Techtronic Trading Ltd  
Tennant Company  
Test Rite Products Corp  
Texas Instruments Inc  
The Coleman Company  
The Gillette Co/Braun Div  
The Gillette Co/Oral-B Div  
The Source (Bell) Electronics Inc.  
The Toro Company  
Tianjin Lishen Battery Joint-stock Co.,Ltd  
Tokyo Seimitsu Co., L.T.D.  
TomTom Inc.  
Transcosmos America Inc.  
Transource Services Corp

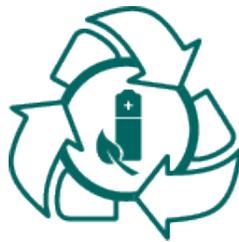
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Traxxas L.P.  
Trek Bicycle Corporation  
TTEK Assemblies Inc.  
T.W.S. Technology(Guangzhou) Limited  
Ultralife Corporation  
Uniden America Corporation  
VARTA Microbattery Inc.  
Veritas Technologies L.L.C.  
Vernier Software & Technology L.L.C.  
Vibratex, Inc.  
Vornado Air, L.L.C.  
VTech Telecommunications Ltd  
Wacom Technology Corporation  
Whill, Inc  
Zebra Technologies Corporation  
Zhongshan Tianmao Battery Co., Ltd.  
Zippo Manufacturing Company

# Call2Recycle, Inc.

Changing habits. Inspiring action.™



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