



New York State Battery Stewardship Annual Report

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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:

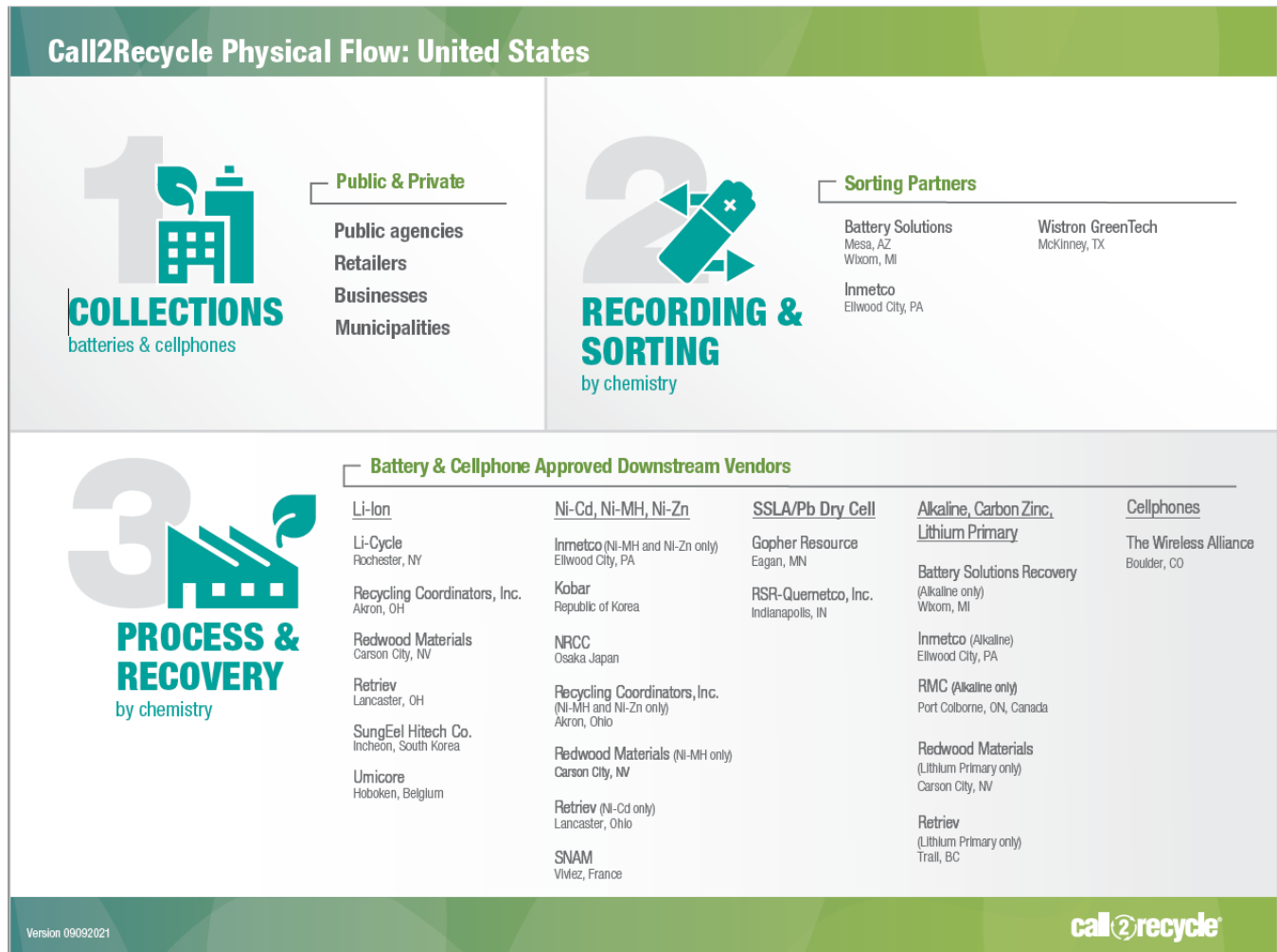
Battery Collections (lbs.)				
Material Type	Material Name	2020	2021	Change in Lbs.
Rechargeable	SSLA/Pb	71,811	67,993	-3,818
Rechargeable	Li-Ion	56,140	72,814	16,674
Rechargeable	Ni-Cd	73,416	67,368	-6,048
Rechargeable	Ni-MH	19,672	17,424	-2,248
Primary	Alkaline/Carbon Zinc	30,555	41,613	11,058
Primary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

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

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

Proper Battery Management

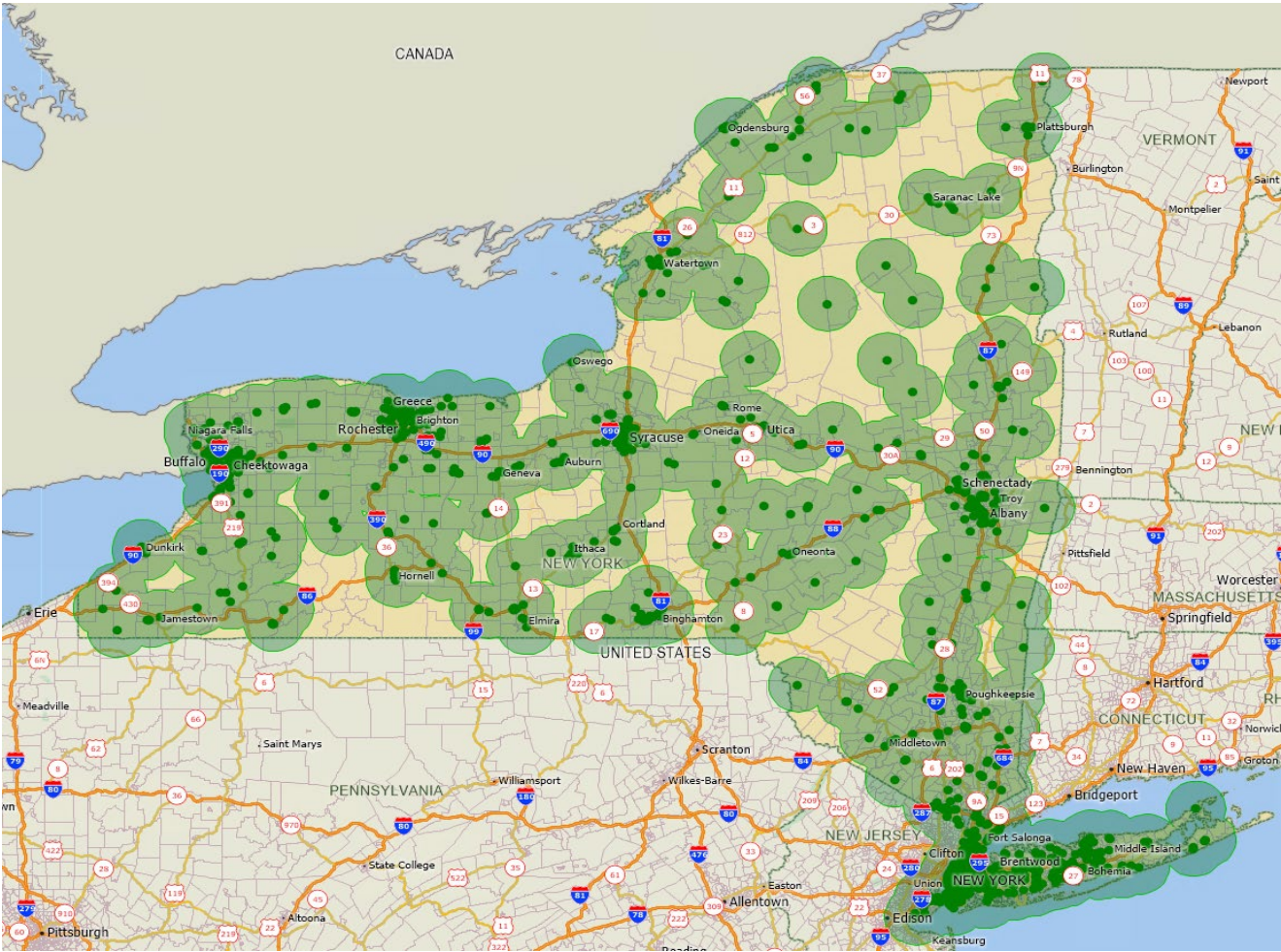
Batteries collected from New York State residents are transported to sorting facilities, where they are separated by battery chemistry and then sent to appropriate specialty processors. These processors extract material to be used in the manufacturing of new products. Below please find the "physical 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

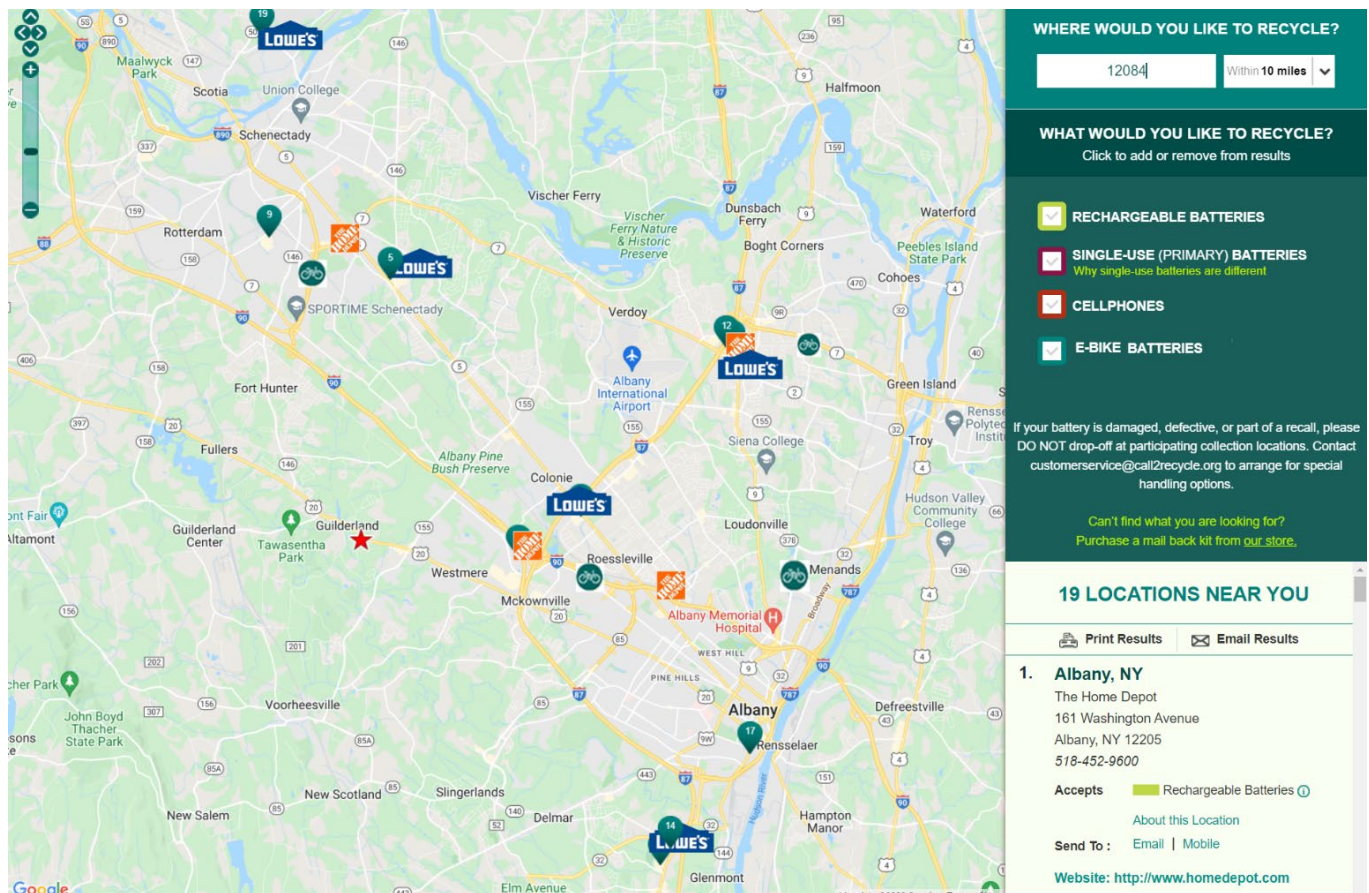
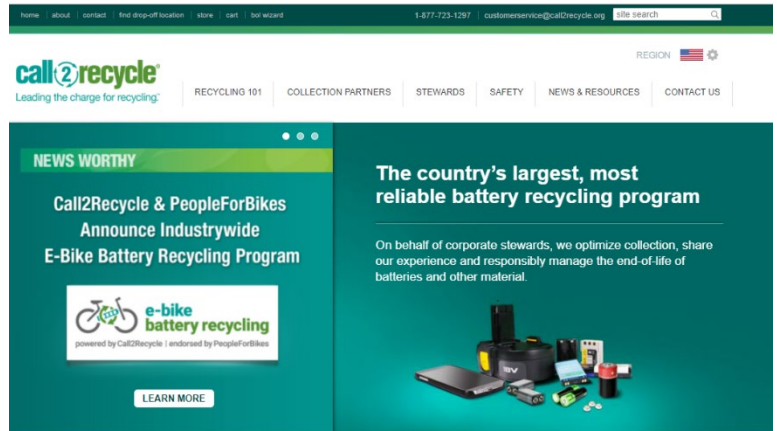
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Website Statistics

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

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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 Optronic 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
Mag Instrument, Inc
Maha Energy
Makita Canada, Inc.
Makita U.S.A. Inc.
Mattel, Inc.
Metabo Corporation
Microsoft Corporation
Midland Radio Corporation
Miller Manufacturing Company
Mi-T-M
Mophie
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
Pelican Products, Inc.
Pellenc America Inc.
Philip Morris U.S.A. Inc.
Philips
Pitney Bowes, Inc.
Plantronics Inc. (Poly)
Police Security

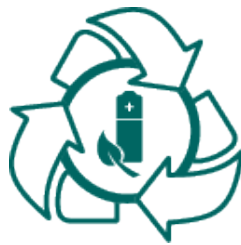
Positec Tool Corporation
Power Products
Privoro, L.L.C.
ProTeam, Inc.
Razor USA LLC
Ricoh Imaging Americas Corporation
Ridge Tool Company (RIDGID)
Riese Und Muller GmbH
RJ Reynolds Vapor Company
Robert Bosch Tool Corporation
Royal Consumer Information Products, Inc.
RRC POWER SOLUTIONS
Sager Electronics
Saicome Industries Limited
Samsung Electronics America Inc.
Sato America Inc
Scosche Industries, Inc.
S.D.I. Technologies Inc
Senco Products, Inc.
Sensidyne LP
Shanghai PYTES Energy Co., L.T.D.
SharkNinja Operating LLC
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

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Changing habits. Inspiring action.™



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