



March 2014  
SFR-114/13

# Texas Recycles TVs Program



# **Texas Recycles TVs Program**

Prepared by  
Small Business and Environmental Assistance Division

SFR-114/13  
March 2014



**Bryan W. Shaw, Ph.D., P.E.,** *Chairman*

**Toby Baker,** *Commissioner*

**Zak Covar,** *Commissioner*

**Richard A. Hyde, P.E.,** *Executive Director*

We authorize you to use or reproduce any original material contained in this publication—that is, any material we did not obtain from other sources. Please acknowledge the TCEQ as your source.

Copies of this publication are available for public use through the Texas State Library, other state depository libraries, and the TCEQ Library, in compliance with state depository law. For more information on TCEQ publications call 512-239-0028 or visit our website at:

**[tceq.texas.gov/publications](http://tceq.texas.gov/publications)**

Published and distributed  
by the  
Texas Commission on Environmental Quality  
PO Box 13087  
Austin TX 78711-3087

The TCEQ is an equal opportunity employer. The agency does not allow discrimination on the basis of race, color, religion, national origin, sex, disability, age, sexual orientation or veteran status. In compliance with the Americans with Disabilities Act, this document may be requested in alternate formats by contacting the TCEQ at 512-239-0028, Fax 512-239-4488, or 1-800-RELAY-TX (TDD), or by writing PO Box 13087, Austin, TX 78711-3087.

How is our customer service? [tceq.texas.gov/customersurvey](http://tceq.texas.gov/customersurvey)

---

## **Contents**

---

<b>Overview .....</b>	<b>2</b>
<b>Requirements.....</b>	<b>2</b>
<b>Program Implementation and Management.....</b>	<b>4</b>
<b>Consumer Outreach .....</b>	<b>7</b>
<b>Results from Manufacturers' 2013 Reports .....</b>	<b>8</b>
<b>Results from Recyclers .....</b>	<b>16</b>
<b>Future of the Program .....</b>	<b>16</b>
<b>Appendix 1—Program Brochure .....</b>	<b>18</b>
<b>Appendix 2- Manufacturers' 2014 Reports.....</b>	<b>19</b>

## Overview

The Texas Legislature established the Texas Recycles TVs Program through Senate Bill 329 in the 82nd Legislative Session, in 2011. On March 28, 2012, the Texas Commission on Environmental Quality (TCEQ) adopted rules in Title 30 Texas Administrative Code, Chapter 328 Subchapter J, to implement the statute.

The Texas Recycles TVs Program is not the only option for Texans to recycle television equipment. Many other resources are available for consumers who wish to recycle their used electronics, including television equipment. Municipalities, local nonprofit groups, charity groups, and community-oriented businesses often coordinate collection events for electronics recycling in their areas. The Texas Recycles TVs Program provides one way, among many, that consumers can recycle their televisions in Texas.

The Texas Recycles TVs Program includes shared responsibility among consumers, retailers, recyclers, manufacturers, and the government of this state for recycling covered television equipment. Under the program, manufacturers offering to sell new television equipment in or into Texas are required to provide a program for collecting and recycling home business and personal television equipment at no cost to the consumer at the time of recycling. As part of the management of this program, the TCEQ continues to inform and educate the general public and maintain Web pages to provide compliance and technical assistance to recyclers, consumers, retailers, and manufacturers.

## Requirements

The Texas Recycles TVs Program requires that each of the parties involved be responsible for different aspects of the program. TV manufacturers, retailers, recyclers, consumers, and state agencies have requirements under the law.

Under the program, covered television equipment is defined as a direct view or projection television with a viewable screen of nine inches or larger whose display technology is based on cathode ray tube, plasma, liquid crystal, digital light processing, liquid crystal on silicon, crystal reflective display, light-emitting diode, or similar technology (30 Texas Administrative Code (TAC) §[328.165<sup>1</sup>](#)). This definition also covers a display device that is peripheral to a computer that contains a television tuner. Covered television equipment is defined as equipment that is marketed and intended for consumers. The program applies to television equipment that is purchased primarily for personal or home-business use.

Each TV manufacturer is responsible for collecting and recycling its own brand(s) of television equipment. The program must cover all of the television brands being sold

---

<sup>1</sup> Available at

<[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=30&pt=1&ch=328&rl=165](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=328&rl=165)>.

by the manufacturer. Manufacturers are required to register with the TCEQ and renew their registration annually. The first registrations were due Jan. 31, 2013.

Manufacturers have a choice on how to register under the program. If a manufacturer chooses to comply individually or as a group, they must pay a registration fee of \$2,500 each year, submit a recovery plan, and establish programs to meet their required market share for the collection, transport, and recycling of television equipment from consumers. These collection programs must not charge the consumer a separate fee at the time of recycling. Manufacturers must also report to the TCEQ annually, beginning Jan. 2013, the weight of televisions sold by the manufacturer in the state or nationally, and the weight of televisions collected, recycled, and reused during the preceding calendar year.

If a manufacturer chooses to comply through a Recycling Leadership Program (RLP), they are exempt from the market share requirement and the registration fee. A manufacturer must join an RLP by Jan. 1, each year, to be eligible for the RLP exemptions for that year.

The RLP must provide at least 200 collection sites, events, or programs to provide television recycling for consumers. Unlike an individual manufacturer's recycling program, the collection opportunities offered by the RLP may charge a fee, only if a financial incentive of equal or greater value to the fee charged is provided at the time of recycling. The RLP must also establish a public education program, including manufacturer-developed outreach materials, to inform customers about opportunities for television recycling. Beginning Jan. 31, 2015, the RLP must report biennially to the TCEQ the opportunities available for consumers to recycle televisions, specifically listing opportunities in areas that have populations less than 50,000, the weight of televisions collected for the previous two years, separated by year, and documentation that a public education program is in place by the RLP or individual manufacturers.

Retailers may not sell or offer to sell new television equipment in Texas unless the equipment is labeled with the manufacturer's brand(s) and the manufacturer is included on the TCEQ's online list of manufacturers. This list is available at <[www.TexasRecyclesTVs.org](http://www.TexasRecyclesTVs.org)>. This requirement applies to online and in-store sales. Additionally, as of July 1, 2012, retailers must supply consumers with written information, published by the TCEQ, regarding the legal disposition and recycling of television equipment.

TV Recyclers are required to register with the TCEQ and certify that they are recycling covered television equipment in accordance with [§328.193<sup>2</sup>](#) (related to the Management of Collected Television Equipment). Recyclers are responsible for renewing their registration annually. Additionally, TV recyclers must maintain a written log of the weight or volume of TVs received and their disposition and must annually report, beginning Jan. 31, 2014, the total weight of covered television equipment received, recycled, and disposed of by the recycler in the preceding calendar year.

Consumers are responsible for any information, in any form, that is left on the consumer's TV equipment.

Texas state agencies must meet certain requirements under the Texas Recycles TVs Program. State agencies must give a purchasing preference to manufacturers who have a program to recycle other manufacturers' television equipment. State agencies also

---

<sup>2</sup> Available at

<[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=30&pt=1&ch=328&rl=193](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=328&rl=193)>.

must ensure that any contractor for television equipment leases or purchases is in compliance with the program. The Department of Information Resources adopted rules to implement this requirement.

The TCEQ must conduct consumer outreach and education on collecting, recycling, and reusing television equipment; maintain a website providing information about television equipment reuse and recycling and an online list of manufacturers; operate a toll-free telephone number to provide specific information on television recycling; and provide information in writing to each county and municipality in the state on the legal disposal and recycling of television equipment. The TCEQ is tasked with determining the television recycling rate for the state by Nov. 1 of each year (beginning Nov. 1, 2013), and using this rate to determine the market share for each manufacturer complying individually or as a group, and providing the market shares to the affected manufacturers by December 1<sup>st</sup> of each year (beginning Dec. 1, 2013).

## Program Implementation and Management

Before the program rules were drafted, the TCEQ held an open stakeholder meeting and a public hearing during the comment period. The TCEQ received over 600 timely comments from: Central Texas Zero Waste Alliance; Consumer Electronics Association (CEA); CINCO Electronics Recycling; Electronics Recyclers International; Global Electric Electronic Processing (GEEP); State of Texas Alliance for Recycling (STAR); Technocycle; Texas Campaign for the Environment (TCE); Texas Product Stewardship Council (TxPSC); Travis County Transportation and Natural Resources Department; Waste Management (WM); and over 590 individuals. Numerous comments suggested changes to the rules. In response to comments, several changes to the proposed rules were adopted, including the addition of definitions and clarification of sections. These changes have been specified in the [adoption preamble](#).<sup>3</sup>

Since the enrollment of Senate Bill 329 in 2011, the TCEQ continues to receive feedback from stakeholders, including manufacturers, recyclers, government groups, and nonprofits. In 2013, the TCEQ received nine complaints on TV Manufacturers. In accordance with the TCEQ's complaint process for the program, compliance assistance is provided to the manufacturers before the complaint is referred to the Office of Compliance and Enforcement. All complaints were resolved in the compliance assistance period.

Implementation of the Texas Recycles TVs program, began with a focus on ensuring that manufacturers, retailers, and recyclers knew the requirements. Multiple resources, including the Comptroller of Public Accounts, the U.S. Environmental Protection Agency, other state electronic recycling programs, the National Center for Electronics Recycling, and internet research, contributed to developing a list of television equipment manufacturers that the TCEQ staff contacted with information about program requirements and compliance assistance. With help from the Texas Retail Association, the National Federation of Independent Business – Texas, and the Consumer Electronics Association, the TCEQ notified retailers of the new requirements

---

<sup>3</sup> Available at <<http://texashistory.unt.edu/ark:/67531/metaph243944>><p.2660-2674>.

established by the program. The TCEQ's Municipal Solid Waste section and internet research contributed to developing a list of potential recyclers and waste management facilities that the TCEQ staff contacted regarding recycler requirements.

The purpose of the TCEQ's initial focus on manufacturer, retailer, and recycler compliance was to establish a reliable program for consumers, before focusing on outreach to consumers about the program. To achieve this goal, the TCEQ staff provided compliance assistance to help the regulated groups understand and meet the requirements. The TCEQ staff successfully implemented an initial offering of compliance assistance. As the program matured, the TCEQ shifted its attention to the first, annual-reporting season. The TCEQ staff notified manufacturers and recyclers of registration requirements and encouraged compliance. As a result of the TCEQ's outreach, all identified manufacturers and recyclers required to register submitted registrations in 2013.

The TCEQ published the list of approved TV manufacturers on March 28, 2013. In 2013, the list was composed of 40 TV manufacturers representing 62 brands. Twenty-four manufacturers participated as individuals. Fifteen manufacturers participated in one RLP, MRM's Manufacturer RLP. One manufacturer chose to recycle their monitors with tuners under the Texas Recycles Computers program in accordance with [§328.163\(b\)\(2\)](#)<sup>4</sup>. In 2013, no manufacturers chose to comply through a group.

In 2013, the TCEQ received 25 payments, totaling \$62,500 in collected fees. These checks were received from the 24 manufacturers participating as individuals and one manufacturer that joined the RLP after Jan. 1<sup>st</sup> and was not exempted from the fee portion of the rule. In accordance with Texas Health and Safety Code, Section [361.977](#)<sup>5</sup>, the fees collected are intended to be used by the TCEQ only to maintain the program website and toll-free number. The TCEQ has been able to maintain these assets at minimal cost. Consequently, the TCEQ did not expend the funds.

Continued outreach expanded to provide resources for all responsible parties. The resources include recycler compliance tools such as a [checklist](#)<sup>6</sup> to help certain recyclers address relevant regulations and a [Web page](#)<sup>7</sup> that explains the TCEQ's regulations for electronics recyclers. Manufacturers can also use these resources to verify that the recyclers they select are in compliance with Texas regulations. Web pages were developed specifically to explain the program to manufacturers, retailers, and recyclers. These Web pages are linked on the <[www.TexasRecyclesTVs.org](http://www.TexasRecyclesTVs.org)> Web page.

Through e-mail, phone calls, and notification letters, the TCEQ launched its initial program outreach, educating the regulated groups about their requirements. This outreach included:

- Retailers:
  - Contacted the Texas Retailers Association, the National Federation of Independent Business –Texas, and the Consumer

---

<sup>4</sup> Available at

<[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=30&pt=1&ch=328&rl=163](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=328&rl=163)>

<sup>5</sup> Available at <<http://www.statutes.legis.state.tx.us/Docs/HS/htm/HS.361.htm#361.977>>.

<sup>6</sup> Available at <[www.tceq.texas.gov/assets/public/assistance/sblga/checklists/e-Recycle.pdf](http://www.tceq.texas.gov/assets/public/assistance/sblga/checklists/e-Recycle.pdf)>.

<sup>7</sup> Available at <[www.tceq.texas.gov/assistance/industry/e-recycling](http://www.tceq.texas.gov/assistance/industry/e-recycling)>.

- Electronics Association to request they share the new retailer requirements with their members that sell televisions.
- Sent letters to 2,058 small electronics retailers in Texas to let them know about the new retailer requirements in June 2012.
- Worked with various retailers (H-E-B, Target, Wal-Mart, QVC) to help get brands they sell registered.
- Contacted the Texas Retailers Association in Apr. 2013 to request they share a reminder letter with their members that sell televisions.
- Featured an article on TV retailer requirements in the TCEQ's Small Business and Local Government Assistance program *The Advocate* newsletter in July 2013.
- 
- **Manufacturers:**
  - Contacted 85 electronics manufacturers, including participants in the existing computer program, to let them know about the new TV manufacturer requirements through an e-mailed notification letter in Oct. 2012.
  - Worked with the Consumer Electronics Association (CEA) to share the new requirements with their members that manufacture TVs in Oct. 2012 and provided a reminder e-mail for their members in Dec. 2012 and Apr. 2013.
  - Conducted follow-up calls in Jan. and Feb. 2013 with TV manufacturers that had not registered.
  - Mailed 19 Notice of Deficiency letters to manufacturers with incomplete submissions in Feb. 2013.
  - Worked with the CEA to share the 2014 reporting requirements with their members that manufacture TVs through a reminder email in Dec. 2013.
- **Recyclers:**
  - Conducted outreach about the new program to Texas recyclers at the following recycling conferences in 2012 and 2013: Resource Recycling (Austin), E-Scrap (Dallas), and State of Texas Alliance for Recycling (Corpus Christi and Houston).
  - Sent letter about new program requirements to 450 recycling and waste management facilities in Texas in Oct. 2012.
  - Conducted follow-up calls with recyclers designated on manufacturers' registrations that were not certified through Apr. 2013.
  - Sent e-mails to 75 Household Hazardous Waste program coordinators regarding recycler requirements that may apply to them in Apr. 2013.
  - Followed-up with approximately 30 electronics recyclers with NOIs on file with the TCEQ's Municipal Solid Waste Permits

section to confirm the recyclers' operations and applicability to the TV program in June 2013

## Consumer Outreach

With the implementation of the new Texas Recycles TVs Program, public outreach has merged with the marketing of the Texas Recycles Computers Program. The TCEQ's outreach efforts encourage electronics recycling and provide continued compliance assistance resources for all responsible parties. The central focus of both programs remains on public education and outreach. To that end, the TCEQ took the following steps to increase public awareness of the two electronic recycling programs in Texas.

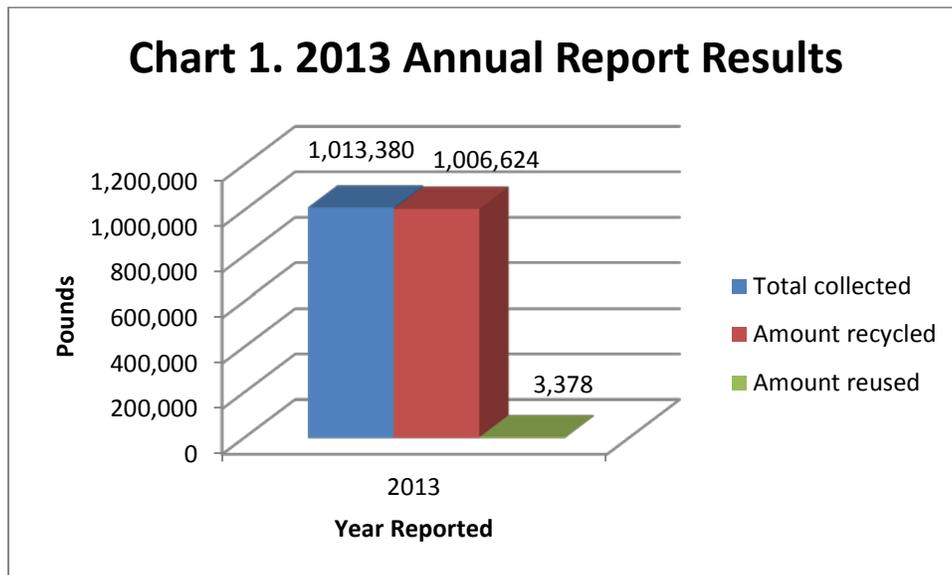
- Acquired the <[www.TexasRecyclesTVs.org](http://www.TexasRecyclesTVs.org)> domain and developed new Web pages in support of the program, resulting in 24,767 web views of the domain page through Dec. 2013.
- Established the toll free 1-855-TV-Recycle number which has received over 130 calls from consumers about the program through Dec. 2013.
- Developed and printed a new flyer (*Plug Into Electronics Recycling*)<sup>8</sup> that includes information about TV and computer recycling. The flyer is designed to fit in an envelope and can go out with utility bills.
- Sent letters to 1,444 city and county governments informing them about the program and offering the flyer as an educational tool in Nov. 2012.
- Promoted the flyer to local governments, non-profits, and other organizations resulting in requests for 136,237 copies through Dec. 2013.
- Delivered ten presentations on electronics recycling reaching over 250 representatives of government, industry, nonprofits, and the public as of Dec. 2013.
- Obtained 15 featured articles and coverage in newspapers, magazine articles, or agency Web pages and publications, including the TCEQ's *Take Care of Texas News You Can Use* newsletter, and *The Advocate* newsletter, a quarterly with a circulation of more than 11,000 subscribers including legislators, city council members, county judges, and county commissioners in Texas.

---

<sup>8</sup> Available at <<http://www.tceq.texas.gov/publications/gi/gi-423.html>>. See Appendix 1.

# Results from Manufacturers' 2013 Reports

For 2013, the TCEQ received reports from all identified manufacturers that were required to submit annual reports. The total weight of TVs collected in 2012 by all manufacturers that were required to submit a report was 1,013,380 pounds. The total amount recycled was 1,006,624 pounds. The total amount reused was 3,378 pounds. Some numbers reported by manufacturers as recycled or reused may have been collected in a previous year.

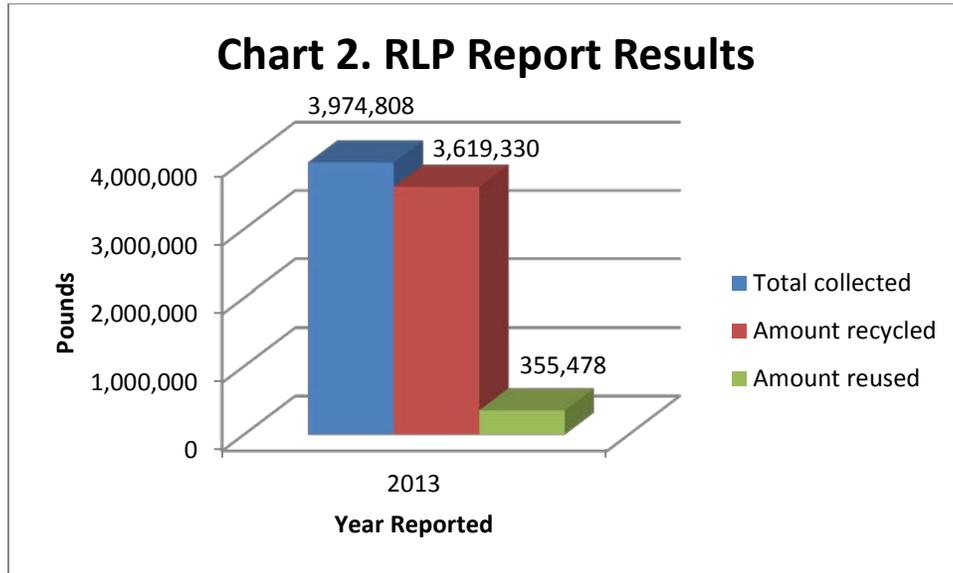


TV manufacturers were not required to establish a recycling program until April 1, 2013. Many reports listed zero pounds of television equipment collected, reused, or recycled. Even though manufacturers were not required to have an established program in 2012, some manufacturers voluntarily collected television equipment. These voluntary numbers are reflected in the graph above and listed in the Table 1., below.

The TCEQ determined the state recycling rate and market share, based on the 2013 reports submitted by manufacturers complying individually and required to submit a recovery plan. The state recycling rate was determined to be 6.4%. The market share for each affected manufacturer was determined by multiplying a manufacturer's reported weight in sales for calendar year 2012 by the recycling rate. For manufacturers that reported their weight in sales, nationally, census data was used to calculate the percentage of their sales for the state of Texas. Manufacturers were given their market share by Dec. 1, 2013. Manufacturers will be required to recycle at least this amount in calendar year 2014. The individual market shares are reported in Table 1. Manufacturers will be required to collect at least this amount in 2014.

An RLP will be required to provide its first Collection Report in 2015. RLP participants are not required to provide a report, but some participants voluntarily reported. Three RLP participants voluntarily reported collecting 3,974,808 pounds in 2012. The total amount recycled was 3,619,330 pounds. The total amount reused was

355,478 pounds. These voluntarily reported numbers are reflected in the chart below and listed in Table 1.



The RLP is an opportunity-based program rather than a market-share program. The RLP must provide at least 200 collection sites or programs where consumers may return television equipment for recycling. In 2013, MRM's Manufacturer RLP offered 234 collection sites and programs.

Texans have many opportunities to recycle their television equipment and other electronics outside of the Texas Recycles TVs Program. Collection events coordinated by municipalities, local nonprofit groups, private recyclers, and community-oriented businesses are additional ways Texans can recycle their televisions. Since recycling programs exist outside of the Texas Recycles TVs program and some of the manufacturers were not required to report to the TCEQ, the agency's reported number doesn't fully represent recycling activity in Texas.

Table 1 lists amounts reported by each manufacturer in the 2013 reports. The reports reflect amounts sold and collected in calendar year 2012.

**Table 1. 2013 Manufacturers' Reported Amounts and Market Share Allocations**

<i>Manufacturer</i>	<i>Brands</i>	<i>Sold (lbs)</i>	<i>Collected (lbs)</i>	<i>Recycled (lbs)</i>	<i>Reused (lbs)</i>	<i>Market Share (lbs) Assigned for 2014</i>
Market Share Participants						
Bang & Olufsen America, Inc.	Bang & Olufsen	5,264	0	0	0	337
Bose Corporation	VideoWave	17,833	0	0	0	1,141
Coby Electronics Corporation	Coby	476,145	0	0	0	30,473
Craig Electronics, Inc.	Craig	420,908	0	0	0	26,938
Curtis International Ltd	Curtis, ProScan	61,345	0	0	0	3,926
DPI, Inc.	GPX	23,613	0	0	0	1,511
EQD Corporation	Auria	1,500	0	0	0	96

<b>Manufacturer</b>	<b>Brands</b>	<b>Sold (lbs)</b>	<b>Collected (lbs)</b>	<b>Recycled (lbs)</b>	<b>Reused (lbs)</b>	<b>Market Share (lbs) Assigned for 2014</b>
Haier America	Haier	468,286	0	0	0	29,970
Hannsree North America, Inc.	Hanspree	23,760	0	0	0	1,521
Hisense USA	Hisense	2,549,454	0	0	0	163,165
Innovative DTV Solutions	RCA (22" and smaller), Digital Stream	*	0	0	0	*
Lenovo, Inc.	Medion	0	0	0	0	0
Naxa Electronics, Inc.	NAXA	2,251	0	0	0	144
ON Corp US, Inc.	RCA (19" and larger)	*	0	0	0	*
Sceptre, Inc.	Sceptre	83,751	6,124	6,124	0	5,360

<b>Manufacturer</b>	<b>Brands</b>	<b>Sold (lbs)</b>	<b>Collected (lbs)</b>	<b>Recycled (lbs)</b>	<b>Reused (lbs)</b>	<b>Market Share (lbs) Assigned for 2014</b>
Sony Electronics, Inc.	Sony	4,223,867	1,000,500	1,000,500	0	270,327
Spectra Merchandising International, Inc.	Hello Kitty	7,197	0	0	0	461
Starlite Consumer Electronics (USA), Inc.	Disney	8,290	0	0	0	531
Sunbrite TV, LLC	Sunbrite TV Marquee, Sunbrite TV Pro Series, Sunbrite TV Signature Series	56,304	6,756	0	3,378	3,603
TMAX Digital, Inc.	Apex, Apex Digital	640,000	0	0	0	40,960
Tongfang Global Inc.	Element Electronics, Seiki	2,051,860	0	0	0	131,319
Venturer Electronics Inc.	Venturer	3,244	0	0	0	208
Viewsonic Corporation	Viewsonic	3,879	0	0	0	248

<b>Manufacturer</b>	<b>Brands</b>	<b>Sold (lbs)</b>	<b>Collected (lbs)</b>	<b>Recycled (lbs)</b>	<b>Reused (lbs)</b>	<b>Market Share (lbs) Assigned for 2014</b>
Westinghouse Digital, LLC	Westinghouse	2,656,442	0	0	0	170,012
RLP Participants (MRM): Voluntary Reports						
Best Buy	Insignia, Dynex	7,662,399	2,384,025	2,028,547	355,478	
Funai	Emerson, Magnavox, Phillips					
Hitachi America, Ltd.	Hitachi					
JVC	JVC					
LG Electronics USA, Inc.	LG, Zenith, GoldStar	13,349,861	1,590,783	1,590,783	0	
Mitsubishi Electric Visual Solutions America, Inc.	Mitsubishi, Mitsubishi Electric					

<b>Manufacturer</b>	<b>Brands</b>	<b>Sold (lbs)</b>	<b>Collected (lbs)</b>	<b>Recycled (lbs)</b>	<b>Reused (lbs)</b>	<b>Market Share (lbs) Assigned for 2014</b>
Orion America, Inc.	Sansui, Orion					
Panasonic Corporation of North America	Panasonic, SANYO					
PLR IP Holdings, LLC	Polaroid	131,211	0	0	0	
Samsung Electronics America, Inc.	Samsung					
Sharp Electronics Corporation	Sharp, Aquos, Elite					
Toshiba America Information Systems, Inc.	Toshiba					
TTE Technology, Inc.	TCL					
VIZIO, Inc.	VIZIO					

<i>Manufacturer</i>	<i>Brands</i>	<i>Sold (lbs)</i>	<i>Collected (lbs)</i>	<i>Recycled (lbs)</i>	<i>Reused (lbs)</i>	<i>Market Share (lbs) Assigned for 2014</i>
Voxx International Corporation	Audiovox					
TV Manufacturers Complying under the Texas Recycles Computers (TRC) Program: Reports are submitted through the TRC program						
NEC Display Solutions of America, Inc.	Mitsubishi DiamondPoint, Mitsubishi DiamondPro, NEC, NEC AccuSync, NEC MultiSync, NEC Multeos					

\*Some manufacturers have marked their sales data as confidential and proprietary, in accordance with [§328.189](#)<sup>9</sup>.

<sup>9</sup> Available at [http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=30&pt=1&ch=328&rl=189](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=328&rl=189).

## Results from Recyclers

In 2013, 19 TV Recyclers registered with the TCEQ and certified that they are recycling covered television equipment in accordance with [§328.193<sup>10</sup>](#) (related to the Management of Collected Television Equipment).

Table 2. List of TV Recyclers

<i>Recycler Name</i>	<i>City (in Texas)</i>	<i>Current Participation</i>
Advanced Electronics Tech dba Com Cycle	Houston	Inactive
3R Network, The	San Antonio	Active
AER Worldwide	El Paso	Active
Cinco Electronics	Austin	Active
Compucycle Inc.	Houston	Active
ECS Refining Texas LLC	Mesquite	Active
Electronic Recyclers International	Flower Mound	Active
GEEP Texas Grand Prairie Facility	Grand Prairie	Active
Global Environmental Services	Austin	Active
HOB International Inc.	Dallas	Active
Morsi Corporation	San Antonio	Inactive
Round 2 Inc.	Coppell	Active
Round 2 Inc.	Austin	Active
Sims Recycling Solutions	Dallas	Active
Texas Ecycle	Converse	Active
Texas Green Electronic Recycling Company LLC	Stafford	Active
UNICOR Federal Correction Institute	Texarkana	Active
Universal Recycling Technologies	Fort Worth	Active
WM Recycle America LLC	Round Rock	Active

## Future of the Program

The recycling programs established through the Texas Recycles TVs program are expected to increase the recycling rate for the state of Texas. Starting in 2014, the second year of the program, individual manufacturers will be required to recycle their market share allocation. In 2014, there are two RLPs. Fourteen manufacturers will participate

<sup>10</sup> Available at

<[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=30&pt=1&ch=328&rl=193](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=328&rl=193)>.

in MRM's Manufacturer RLP and four manufacturers have formed the E-World Online MITS RLP. MRM plans to offer 214 collection sites and MITS plans to offer 204 collection sites and events. As the program matures, the reporting requirements for the program will allow the TCEQ to assess the progress of the recycling rate and the RLPs. The next legislative report will include analysis of collection data reported to the TCEQ by manufacturers and recyclers. The 2014 report results are included in Appendix 2, below.

The TCEQ will continue outreach and compliance assistance for consumers, recyclers, manufacturers, and retailers through presentations, brochure distribution, and resource development. Through these efforts in the coming years of the program, the Texas Recycles TVs Program expects to offer additional compliance assistance as new program participants are identified and as awareness of the program expands.

The TCEQ will continue to educate consumers about the Texas Recycles TVs and Texas Recycles Computers programs. The development of a new brochure, shown below in Appendix 1, and presentations covering both programs emphasize the support for electronics recycling rather than focusing on a single program. Moving forward, the TCEQ will continue to seek cooperation with the RLPs, other states' recycling programs and with television and computer manufacturers to offer the most up-to-date recycling information to Texans.

# Appendix 1—Program Brochure

**PLUG INTO ELECTRONICS RECYCLING**

Find out how to recycle your old television and computer equipment at [TexasRecyclesComputers.org](http://TexasRecyclesComputers.org) or [TexasRecyclesTVs.org](http://TexasRecyclesTVs.org)



Texas law now requires television and computer-equipment manufacturers to offer opportunities for consumers to recycle these electronics.

Please visit [TexasRecyclesTVs.org](http://TexasRecyclesTVs.org) or [TexasRecyclesComputers.org](http://TexasRecyclesComputers.org) for more information.

Questions? Send an e-mail to [recycle@tceq.texas.gov](mailto:recycle@tceq.texas.gov) or call toll free **1-855-TV-Recycle** (1-855-887-3292).



The TCEQ is an equal opportunity employer. The agency does not allow discrimination on the basis of race, color, religion, national origin, sex, disability, age, sexual orientation or veteran status.

GI-423 (8/12)  printed on recycled paper using vegetable-based ink

## Appendix 2- Manufacturers' 2014 Reports

For the current program year, the TCEQ received reports from all manufacturers that were required to submit annual reports. Currently, 34 manufacturers representing 53 brands are participating in the TV program. 2013 was the first year TV manufacturers were required to establish a recycling program. As part of the program, TV manufacturers that participated in the program as individuals collected 1,210,368 pounds of TVs in 2013. Of that, 1,208,529 pounds were recycled and zero pounds were reused.

In 2013, there was one RLP, MRM's Manufacturer RLP. MRM's Manufacturer RLP chose to voluntarily report their collection numbers, in advance of their 2015 Collection Report requirement. MRM voluntarily reported collecting 14.7 million pounds of TVs in 2013. In 2014, there are two RLPs. Fourteen manufacturers will participate with MRM and four manufacturers have formed the E-World Online MITS RLP. MRM plans to offer 214 collection sites and MITS plans to offer 204 collection sites and events.

The table below lists amounts reported by each manufacturer in the 2014 reports. The reports reflect amounts sold and collected in calendar year 2013. The table also indicates how the manufacturer chooses to participate in the program in 2014. This data was submitted by manufacturers through February 2014. Some numbers reported by manufacturers as recycled or reused may have been collected in a previous year.

Due to the short duration between the manufacturer reporting deadline of Jan. 31 and the Legislative Report deadline of Mar. 1, limited quality assurance and analysis of the data has been provided.

<i>Manufacturer</i>	<i>Brands</i>	<i>Sold (lbs)</i>	<i>Collected (lbs)</i>	<i>Recycled (lbs)</i>	<i>Reused (lbs)</i>
Market Share Participants					

<b>Manufacturer</b>	<b>Brands</b>	<b>Sold (lbs)</b>	<b>Collected (lbs)</b>	<b>Recycled (lbs)</b>	<b>Reused (lbs)</b>
Bang & Olufsen America, Inc.	Bang & Olufsen	5,861	0	0	0
Bose Corporation	VideoWave	18,045	0	0	0
Coby Electronics Corporation	Coby	**			
Curtis International Ltd	Curtis, ProScan	66,544	0	0	0
DPI, Inc.	GPX	52,945	2400	2400	0
EQD Corporation	Auria	**			
Hanspree North America, Inc.	Hanspree	**			
Hisense USA	Hisense	1,513,448	0	0	0
Innovative DTV Solutions	RCA (22" and smaller) Digital Stream	*	100	100	0

<b>Manufacturer</b>	<b>Brands</b>	<b>Sold (lbs)</b>	<b>Collected (lbs)</b>	<b>Recycled (lbs)</b>	<b>Reused (lbs)</b>
Lenovo, Inc.	Medion	**			
Naxa Electronics, Inc.	NAXA	1,601	0	0	0
ON Corp US, Inc.	RCA (19" and larger)	*	150,000	150,000	0
Sceptre, Inc.	Sceptre, Ocosmo	121,762	6,349	6,349	0
Sony Electronics, Inc.	Sony	2,825,911	1,047,680	1,047,680	0
Spectra Merchandising International, Inc.	Hello Kitty	**			
Starlite Consumer Electronics (USA), Inc.	Disney	**			
Sunbrite TV, LLC	Sunbrite TV Marquee, Sunbrite TV Pro Series, Sunbrite TV Signature Series	70,145	1839	0	0

<b>Manufacturer</b>	<b>Brands</b>	<b>Sold (lbs)</b>	<b>Collected (lbs)</b>	<b>Recycled (lbs)</b>	<b>Reused (lbs)</b>
TMAX Digital, Inc.	Apex, Apex Digital	83,663	0	0	0
Venturer Electronics Inc.	Venturer	502	0	0	0
VIZIO, Inc.	VIZIO	*	1,127,706 <sup>11</sup>	1,127,706	0
<b>RLP Participants (E-World Online MITS)<sup>12</sup></b>					
Craig Electronics, Inc.	Craig	11,534	0	0	0
Haier America	Haier	360,270	0	0	0
Tongfang Global Inc.	Element Electronics, Seiki	2,343,471	0	0	0

<sup>11</sup> In 2013, VIZIO participated in MRM's Manufacturer RLP. The 1,127,706 pounds VIZIO reported as collected and recycled in 2013 was collected through MRM's Manufacturer RLP. VIZIO's collection number is included in MRM's voluntarily reported collection number of 14.7 million pounds. For 2014, VIZIO has chosen to participate as an individual manufacturer. They will be assigned a market share to collect in 2014 by multiplying the recycling rate and their sales for 2012.

<sup>12</sup> The four manufacturers that have chosen to form the E-World Online MITS RLP for 2014 participated in the program as individual manufacturers in 2013. These participants were required to submit a report.

<i>Manufacturer</i>	<i>Brands</i>	<i>Sold (lbs)</i>	<i>Collected (lbs)</i>	<i>Recycled (lbs)</i>	<i>Reused (lbs)</i>
Westinghouse Digital, LLC	Westinghouse	674,006	0	0	0
RLP Participants (MRM): MRM's Manufacturer RLP voluntary reported collecting 14.7 million pounds in 2013.					
Best Buy	Insignia, Dynex				
Funai	Emerson, Funai, Magnavox, Phillips				
Hitachi America, Ltd.	Hitachi				
Kontech USA, Inc.	Changhong				
JVC	JVC				
LG Electronics USA, Inc.	LG, Zenith, GoldStar				
Mitsubishi Electric Visual Solutions America, Inc.	Mitsubishi, Mitsubishi Electric	**			

<i><b>Manufacturer</b></i>	<i><b>Brands</b></i>	<i><b>Sold (lbs)</b></i>	<i><b>Collected (lbs)</b></i>	<i><b>Recycled (lbs)</b></i>	<i><b>Reused (lbs)</b></i>
Orion America, Inc.	Sansui, Orion				
Panasonic Corporation of North America	Panasonic, Quasar, SANYO				
PLR IP Holdings, LLC	Polaroid				
Samsung Electronics America, Inc.	Samsung				
Sharp Electronics Corporation	Sharp, Aquos,				
Toshiba America Information Systems, Inc.	Toshiba				
TTE Technology, Inc.	TCL				
Vox International Corporation	Audiovox				

TV Manufacturers Complying under the Texas Recycles Computers (TRC) Program:  
 Reports are submitted through the TRC program

<b>Manufacturer</b>	<b>Brands</b>	<b>Sold (lbs)</b>	<b>Collected (lbs)</b>	<b>Recycled (lbs)</b>	<b>Reused (lbs)</b>
NEC Display Solutions of America, Inc.	NEC, NEC AccuSync, NEC MultiSync,				
Viewsonic Corporation <sup>13</sup>	Viewsonic	0	2000	2000	0

\*Some manufacturers have marked their sales data as confidential and proprietary, in accordance with [§328.189](#)<sup>14</sup>.

\*\* Some manufacturers notified the TCEQ that they no longer manufacture TVs. They were removed from the program

<sup>13</sup> In 2013, Viewsonic participated in the program as an individual TV manufacturer. In 2014, Viewsonic has chosen to recycle their monitors with tuners under the Texas Recycles Computer Program.

<sup>14</sup> Available at

<[http://info.sos.state.tx.us/pls/pub/readtac\\$ext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&p\\_tloc=&p\\_ploc=&pg=1&p\\_tac=&ti=30&pt=1&ch=328&rl=189](http://info.sos.state.tx.us/pls/pub/readtac$ext.TacPage?sl=R&app=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=30&pt=1&ch=328&rl=189)>.