

VIA EMAIL and U.S. Mail

May 11, 2015

Mr. Kevin Beer
Pennsylvania Department of Environmental Protection
Bureau of Waste Management
Division of Hazardous Waste Management
P.O. Box 69170
Harrisburg, PA 17106-9170

Subject: Thermostat Recycling Corporation's 2014 Annual Report

Dear Mr. Beer:

Attached is TRC's annual collection report for calendar year 2014. A copy of this report is posted on TRC's website at: www.thermostat-recycle.org/resources/media_center.

TRC would like to highlight some aspects of the 2014 program:

- Nationally TRC recovered more than 203,000 whole thermostats in 2014, a 12 percent increase over 2013. This is the most thermostats TRC has recovered in one year since the program's inception in 1998.
- TRC added two full-time employees in 2014. Ryan Kiscaden, Director of National Accounts, joined the staff in January and Alex Monie, Marketing and Operations Coordinator, joined the staff in September. Beyond additional labor, TRC continued to expand the scope and sophistication of its marketing and promotion efforts.
- The recovery of whole thermostats increased in Pennsylvania by **12%** in 2014. Our analysis indicates TRC increased the number of thermostats recovered last year by increasing both contractor and wholesale collection location participation.

Program data from Pennsylvania and other states continues to indicate that access remains the most critical component of the program. Meaningful increases in collections will most likely occur if additional wholesalers and/or HVAC contractors participate, or if current low-performing locations substantially improve performance.

TRC welcomes the opportunity to review this report with you and discuss our plans for 2015. I may be reached at 571-447-4315 or by email at mark.tibbetts@thermostat-recycle.org.

Sincere Regards,



Mark Tibbetts
Executive Director

TRC Annual Report on Mercury-added Thermostat Collection and Recycling in Pennsylvania Calendar Year 2014 Activities

Exhibit 1: 2014 Pennsylvania Collections by Brand

Brand Holder	Thermostats	Count Switches	Pounds Mercury
Bard	17	30	0.19
Burnham Holdings	33	34	0.21
Carrier	734	1,653	10.25
Climate Master	25	89	0.55
Empire Comfort Systems	2	2	0.01
General Electric Corporation	93	224	1.39
Goodman Global	104	221	1.37
Grainger	4	7	0.04
Honeywell	9,583	11,776	73.01
Hunter Fan	4	5	0.03
Invensys	57	69	0.43
ITT Corporation	33	68	0.42
Lear Siegler	8	13	0.08
Lennox	554	916	5.68
Lux Products	35	39	0.24
Marley-Wylain Company	14	17	0.11
McQuay International	61	152	0.94
Nordyne Corporation	54	110	0.68
PSG Controls	71	82	0.51
Rheem	180	324	2.01
Sears Holdings	61	67	0.42
Taco, Inc.	3	8	0.05
TPI Corporation	4	7	0.04
Trane	552	1,387	8.60
Uponor, Inc.	1	1	0.01
White Rogers	1,041	1,309	8.12
York/Johnson Controls	666	1,220	7.56
----- Non-Member Brands -----			
ADDISON	4	14	0.09
AMERICAN STABILIS	4	4	0.02
ARKLA	1	1	0.01
asy	1	2	0.01
BOVARD	2	2	0.01
BRENTWOOD	3	3	0.02
California Economiser	7	14	0.09
ces	28	56	0.35
COLUMBIA	5	5	0.03
Comfort Set	2	4	0.02
Command Aire	3	8	0.05
CROWN BOILER	1	1	0.01
DURO ZONE	1	1	0.01
EDWARDS	3	3	0.02
EFM	31	31	0.19
energy kinetics	1	1	0.01
ENERGY SAVING HEAT PUMP	1	1	0.01
ENVIRO MASTER	4	4	0.02
esso	1	1	0.01
FEDDERS	1	1	0.01
Florida Heat Pump	7	22	0.14
Friedrich	21	61	0.38
HUGO	1	1	0.01
HYDRO HEAT	1	2	0.01
Mercoind Sensatherm	1	1	0.01
Minivector	5	10	0.06
mueller	1	1	0.01
NEPCO	1	4	0.02
NEW YORKER STEEL BOILER	2	2	0.01
NRC	1	1	0.01
NY	1	1	0.01
Peerless	1	1	0.01
PERFECTION COMFORT CONT	1	1	0.01
Singer	3	3	0.02
STEWART WARNER	4	4	0.02
Tempmaster	24	59	0.37
TETCO	6	12	0.07
UGI	1	1	0.01
WATER FURNACE	3	6	0.04
Weather Pride	1	1	0.01
WHIRLPOOL	2	2	0.01
ZY	2	2	0.01
----- NOM (Manufacturer not identifiable) -----			
NOM	13	15	0.09
Loose Bulbs	0	1,247	7.73
TOTAL	14,201	21,447	132.97

In Pennsylvania, TRC recovered the equivalent of **15,078** mercury thermostats from 14,201 whole mercury thermostats plus 1,247 mercury switches removed from thermostats (Pennsylvania averaged 1.42 switches per thermostat in 2014). A total of 132.97 pounds of mercury was diverted from solid waste.

TRC recovered approximately 6.8% of all thermostats from HVAC contractors, 0% from HHW locations, and 93% from HVAC wholesale distributor collection locations.

Waste Mercury-Added Thermostat Management

Bins with waste mercury-switch thermostats are received at the fulfillment/processing center in Golden Valley, Minnesota. The facility is owned and operated by Honeywell International under contract with TRC.

Bins are received at the loading dock and sent to the TRC processing area. The bin and plastic liner are opened and the contents are identified, sorted, and tallied. The following data is recorded for each bin returned and processed: bin number, business name (location name), city, state, zip code, date returned, number of thermostats and mercury switches by manufacturer and any non-conforming material.

The bin is returned to the location that sent it in with a new prepaid address label within 72 hours of receipt. The thermostats are stored and staged in a plastic lined carton in a storage area for final processing. The containers are dated and processed in order received, first in-first out.

The containers are returned from the storage area

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to the TRC processing area to have the mercury bulbs removed from the plastic housing. Universal Waste Regulations require the disposal of waste within 12 months of generation. TRC's processor requires that the disposal occur within 6 months of generation and TRC follows the more stringent requirement. Small quantities of thermostats are removed from the container, which is then closed again, and placed at the bulb removal workstation on a tray that contains any potential mercury spillage. The bulbs are removed from the thermostats and placed into a 2 quart container at the work station. If a bulb breaks and the mercury spills, the work area is designed to contain the spillage and the operators are trained in the clean-up and disposal of mercury. The TRC processing area is equipped with special mercury vacuum cleaners and the work area is vacuumed at the end of the work day to assure that any spillage is cleaned up and not left to evaporate.

The 2 quart container is emptied into a special 55 gallon drum which is labeled and dated according to regulations. The drum is sealed with a band and is only opened when contents are being added to it. Special negative pressure venting assures any fumes are drawn away and vented when the drum is opened.

The 55 gallon drum is then shipped to Veolia Environmental Services in Port Washington, Wisconsin for final processing of the mercury ampoules (switches) Veolia Environmental Services meets or exceeds all local, state, federal and EPA regulations for the management of the product. Veolia's approvals for mercury recovery/recycling include:

- EPA - identification WIR000130591 (Veolia Environmental Services, Inc.)
- EPA BDAT Requirement - satisfied by all recovery operations
- CERCLA (Comprehensive Environmental Response Compensation and Liability Act)
- Wisconsin Department of Natural Resources

All facilities processing thermostats shipped to TRC follow all EPA guidelines and regulations. TRC has a facility license from Hennepin County Minnesota for the operation of the TRC. Honeywell, Inc. has a Hazardous Waste Generator license from Hennepin County. All persons who handle mercury thermostats as part of the TRC operation receive training in the handling of Hazardous Waste and Universal Waste.

Program Education and Outreach

Direct Mail

TRC utilized direct mail, targeting both collection locations and HVAC contractors/technicians.

Collection Locations—

- To encourage collection point participation and to stimulate timely return of TRC collection containers, TRC periodically mailed postcards (Exhibit 2) to collection points that had not

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returned a TRC container within the last 12 months (in accordance with Pennsylvania's Universal Waste Regulations). TRC mailed 176 reminders to Pennsylvania collection points in July.

Exhibit 2: Miss You Postcard



HVAC Contractors/Technicians—

- TRC developed an oversized 9x6 full-color postcard targeting larger contractors with more than 10 employees. TRC mailed this postcard twice in July to 674 contacts in Pennsylvania and repeated the mailing two more times in August.

The postcard reminded HVAC contractors of their legal obligation to recycle mercury thermostats. The postcard also included a link to an online survey for an opportunity to win a 42" flat screen TV for completing the survey (Exhibit 3).

TRC received **no requests for free recycling containers** or survey responses from Pennsylvania contractors.

Exhibit 3: 9x6 Summer Postcard



- Mouse Pad Mailing— In an attempt to increase the response rate, TRC developed a branded mouse pad which was mailed directly with no envelope (Exhibit 4). The mouse pad was mailed in October to 370 HVAC contracting businesses in Pennsylvania with more than 10 employees. The mouse pad included a sticker with a limited-time offer to order a free TRC

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recycling container. It served as an awareness piece and TRC received **two requests** for a container from Pennsylvania contractors.

Exhibit 4: Mouse Pad Mailing



Advertising

TRC's primary target remains HVAC contractors/technicians and HVAC wholesale distributors. For the contractors/technicians segment, TRC focuses on residential and light commercial contractors. The second segment is HVAC wholesale distributor locations, as they remain the most convenient location for the majority of Pennsylvania-based technicians/contractors to purchase replacement thermostats and recycle waste mercury thermostats.

Homeowners remain a secondary market as they represent a small segment of the market (+/- 10%). Since replacing a mercury thermostat is a rare event (if ever) for a consumer, TRC derives the greatest impact/value from its marketing activities by concentrating on the channel segment that conducts the vast majority of repeat thermostat replacements.

TRC's 2014 advertising campaign continued to focus mostly on "easy and free" and "It's the law" messaging (where applicable, as only a limited number of states ban the disposal of mercury thermostats in solid waste and/or require HVAC contractors to recycle all mercury thermostats removed from service).

The purpose of TRC's advertisements were two-fold: 1) continue to build brand/program awareness and 2) increase program participation by raising awareness of specific legal obligations to recycle and the ease of recycling.

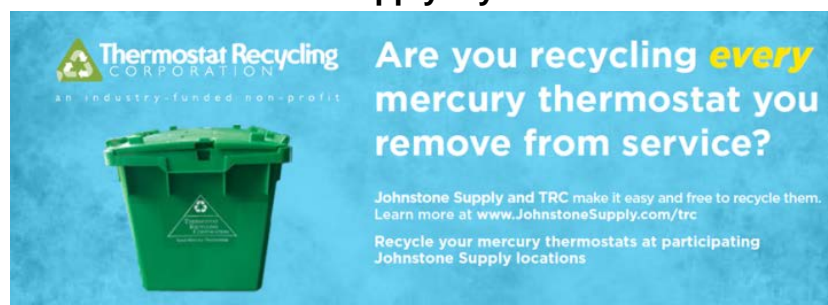
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Print-based advertising — TRC again emphasized frequency of its 2014 advertising campaign and expanded the scope of the advertising campaign.

New advertising in 2014 included:

- Johnstone Supply Flyer, a printed version of their online catalogue that is mailed to more than 300,000 HVAC contractors nationwide. The flyer featured a TRC advertisement in their August and December issues (Exhibit 5). Johnstone Supply has 17 locations in Pennsylvania. Johnstone Supply provided this insertion at no-cost to TRC.

Exhibit 5: Johnstone Supply Flyer Ad



TRC continued print-based advertisements in the following national/regional HVAC trade publications:

- ***Distribution Center Magazine***, the exclusive publication of Heating, Air Conditioning & Refrigeration Distributors International (HARDI) with more than 11,000 bi-monthly subscribers. TRC ran a full-color 1/4 page advertisement in May and December promoting the Big Man on Planet competition. (Exhibit 6)
- ***HVACR Business Magazine***, a national publication with approximately 34,000 qualified subscribers. TRC ran a 2-color 1/4 page advertisement January – March. (Exhibit 7)

Exhibit 6: Distribution Center Ad



Exhibit 7: HVACR Business Magazine Ad

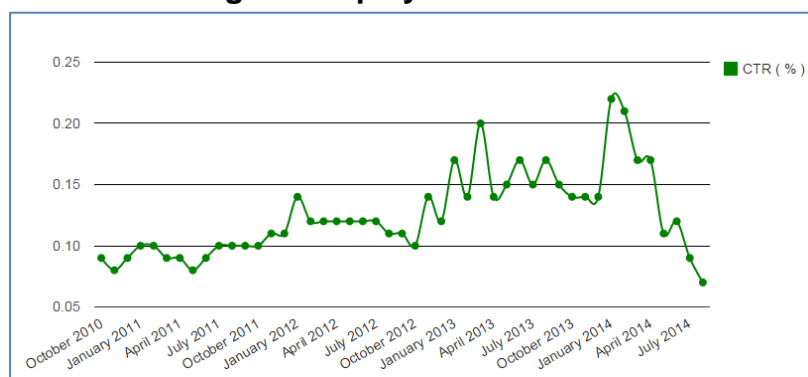


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Web-based advertising — TRC continued the use of rotating banner advertisements in 2014, with changes in scheduling and scope and the addition of new outlets.

TRC's web-based ads gained a cumulative total of more than 906,000 impressions, and email ads were sent to more than 19,000 subscribers. An impression is a measure of the number of times an ad is displayed, and a CTR is the number of times a click is made on the advertisement divided by the total impressions. Exhibit 8 presents benchmark data from Google's Display Benchmarks tool on average CTR's in the U.S. by year. As seen below, the highest average CTR was 0.2%, so TRC's CTR performance exceeded the national average.

Exhibit 8: Google's Display Benchmarks Tool




New advertising this year included:

- **OESP Dedicated Eblast**, emailed to 1,921 oil and energy service professionals predominantly from Pennsylvania, Connecticut, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, Vermont and Virginia. The email was exclusively about TRC's program and offered a limited-time offer to sign-up for a free TRC bin. The email was sent in April and received 658 impressions and 33 website link clicks. (Exhibit 9)
- **HVACR Business "Ahead of the Curve" Enewsletter**, a monthly newsletter that reaches approximately 9,000 opt in readers each month. TRC ran a rotating banner ad in February, March and April. (Exhibit 10)
- **ACHR News How-To Video**, TRC's program training video was featured in the "how to" section of ACHRNews.com in July. The video received 148 views. The video was also featured on their YouTube page for the remainder of the year where it received an additional 352 views.
- **Contracting Business Magazine dedicated Email blast**, sent twice to 5,989 subscribers in states with disposal bans, including 1,098 in Pennsylvania (Exhibit 11). The July mailing received 944 opens and a 16% CTR, and the September mailing received 775 opens and a 13% CTR, which the publisher indicated was a high open rate for them.

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Exhibit 9: OESP Dedicated Eblast



Thermostat Recycling CORPORATION
an industry-funded non-profit

Would you Throw 1,000 CFL Bulbs Into the Trash?

Mercury thermostats contain over 1,000x more mercury than a CFL bulb. Think about that every time you replace a mercury thermostat. Would you throw 1,000 CFL bulbs in the trash?

Not only is it bad for the environment, but disposing of mercury thermostats in the trash is also against the law.* Regulated as hazardous waste, failure to recycle could lead to fines up to \$25,000 per violation.

As an industry-funded non-profit, Thermostat Recycling Corporation's (TRC) mercury thermostat recycling program provides an easy way for your contractors and customers to comply with state law. HVAC contracting firms with seven or more technicians are eligible to participate in TRC's program directly. **Sign up your firm by 6/30/14 and TRC will provide your location a FREE reusable recycling container that holds up to 100 thermostats at a time.**** Simply fill out the PDE and fax or email it to the address indicated to take advantage of this limited time offer. Locations may then ship their recycling containers as many times as necessary at TRC's expense.

Don't want to sign up? HVAC wholesale locations also participate in TRC's program. Simply drop off mercury thermostats at your nearest location. And if they don't participate in TRC's program - ask them to start. It's easy, and it's the law in many states for them to participate.

Visit www.thermostat-recycle.org to find out more.

*Disposal bans apply in the following states: CA, CT, FL, IA, IL, ME, MA, MN, NY, NH, OR, PA, RI, and VT.
**New York contractors with seven or more technicians can receive one bin at no cost at any time.

Exhibit 10: HVACR Business Enewsletter Ad



Recycling mercury thermostats has never been easier.



To order recycling bins, call us at 888.266.0550.

Exhibit 11: Contracting Business Magazine Dedicated Email Blast



Thermostat Recycling CORPORATION
an industry-funded non-profit

Thermostat-Recycle.org
TRC@Thermostat-Recycle.org
1-888-266-0550

Are You Breaking the Law?



TRC Offers Free Recycling Container

Your state prohibits the disposal of all mercury thermostats in solid waste*. Many states go further by requiring all HVAC contractors to recycle every mercury thermostat removed from service — prohibiting them to leave them at the customer's premise. Violations can result in fines up to \$25,000 per day, depending on your state.

Thermostat Recycling Corporation (TRC) offers a program to help HVAC contractors comply with the law. As a non-profit, TRC provides mercury thermostat recycling containers to your local HVAC wholesaler to collect them at no cost to you.

If you are an HVAC wholesale distributor or contracting business with seven or more technicians, you may participate directly in TRC's program by ordering a collection container. Sign up by 10/31 and enter **Promo Code CBEMAIL** to receive a free recycling container that holds approximately 100 mercury thermostats and contains all necessary materials to return the container to TRC at no cost to you.

Visit www.thermostat-recycle.org to learn more about how easy it is to take advantage of the program.

*Disposal bans apply in the following states: CA, CT, FL, IA, IL, ME, MA, MN, NY, NH, OR, PA, RI, and VT.

[Sign Up](#)

TRC also continued web-based advertisements on the following HVAC industry websites below:

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- **ACHRNews.com**, a website that assists the decision-makers from all branches of the air HVAC industry including contractors, manufacturers, distributors, parts and supply wholesalers, and service companies. More than 181,000 HVACR professionals visit the website every month, totaling more than 218,000 monthly website visits. TRC ran a banner ad January – March and October – December that resulted in 165,904 combined impressions and an average CTR of 0.1%. (Exhibit 12)
- **ACHR Newsletter**, a weekly email blast with more than 12,000 subscribers. TRC ran a banner ad for 4 issues in March with a total open rate of 11,740 and a CTR of 0.4%. (Exhibit 13)
- **HVACRBusiness.com**: TRC ran a banner ad in July that resulted in 6,638 impressions and a CTR of 0.32%. (Exhibit 14)
- **HVAC-Talk.com**, an online forum that averages 310,000 monthly visitors. TRC ran a rotating banner ad February – March and September – October which resulted in 283,397 total impressions and an average CTR of .06%. (Exhibit 15)
- **OESP Advantage Enewsletter**, a weekly email with 3,000 subscribers predominantly from Pennsylvania, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New York, Rhode Island, Vermont and Virginia. TRC ran a banner ad for 12 consecutive weeks August – November which resulted in 11,365 total impressions and an average CTR of 0.2%. (Exhibit 16)

Exhibit 12: ACHRNews.com Ad



Exhibit 13: ACHR Newsletter Ad



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Exhibit 14: HVAC Business.com

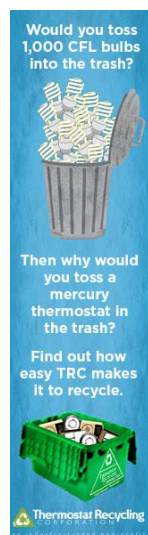


Exhibit 15: HVAC-Talk.com



Exhibit 16: OESP Advantage Enewsletter



Google AdWords — Since 2011 TRC has deployed a Google AdWord campaign that geo-targets contractors/technicians and consumers (homeowners) in states with mercury thermostat disposal bans, including Pennsylvania. Advertisements appear on Google search results pages after an individual searches terms related to TRC's mission (E.g. thermostat replacement, contracting recycling regulations, mercury thermostat recycling, programmable thermostats, etc.).

TRC continued this campaign in 2014 with enhancements to Pennsylvania's landing page that included a direct link to the Pennsylvania's state laws page (Exhibit 17). TRC launched the campaign in March, coinciding with the launch of the updated website, and ran it through the calendar year. This is TRC's preferred option to reach consumers because of the campaign's extensive and targeted reach.

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The Pennsylvania campaign yielded **340,912** impressions with an average CTR of **0.46%**.

Exhibit 17: Google AdWords Landing Page



TRC's Website

In March, TRC launched a new website with enhanced functionality. Changes include:

- **Find a Site page:** updated to direct people to active collection sites ("active" is defined as returning one or more TRC bin's within the previous 14 months). A new feedback form allows visitors to inform TRC if a site is no longer participating. This was the second most visited page on TRC's website after the homepage.
- **State Recycling Programs:** features a clickable map of the United States to easily view different state laws and regulations. This supports easier navigation and lists state-specific information about mercury thermostat disposal. This is the 3rd most visited page. The Pennsylvania program page's language was revised and includes a link to the Pennsylvania Department of Environmental Protection.
- **Become a Collection Site:** now supports an online application to become a collection site and PDF versions remain available.
- **Collection Partners:** a new section that lists collection partner locations that have committed to offering TRC's mercury thermostat collection program at all of their locations within the continental U.S. This highlights information about each company and directs visitors to their websites to find out more.
- **Blog:** provides updates about TRC travels to trade shows, HVAC industry commentary, tips, etc.
- **Highlights:** shows select program accomplishments and offers factoids, testimonials and more
- **Contact Us:** a new online form to submit an inquiry directly to TRC.
- **Veolia:** a partnership to assist visitors in recycling mercury-containing products other than thermostats.

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Website traffic continued to grow in 2014. TRC increased its total annual visitors by 50% compared to 2013. There was a 7% increase of visitors from Pennsylvania to TRC's website and the state ranked 3rd nationally in website traffic. The increase in traffic reflects the new redesign/enhancements, impact of paid trade channel advertising, Google Ad-word campaign, and search engine optimization efforts.

TRC's social media presence increased as well. The TRC Twitter account saw a 15% increase in number of followers in 2014, and its Facebook page enjoyed a 21% increase of page "Likes."

Earned Media

In 2014 TRC continued to enjoy positive and frequent coverage within the industry trade press, appearing more than 25 times through a variety of publications. TRC issued a number of media releases and most were picked up generating additional exposure for the program.

Notably, TRC continued to receive coverage and editorial pieces in industry leading publications such as *The Air Conditioning and Refrigeration News* (110,000 circulation), *Distribution Center Magazine* (circulation 11,000), *Indoor Environment & Energy Efficiency Magazine* (mailed to every ACCA member who specializes in residential, commercial, and industrial applications), and *RSES Journal* (239,640 Web visitors).

Trade Shows, Conferences & Presentations

TRC attended and/or exhibited at the following trade shows:

January 21 – 23: AHR Expo

New York City, NY

The AHR Expo is the largest national trade show for the HVACR industry. TRC staff exhibited and promoted the program to HVAC contractors, manufacturers and distributors. The show had a total registered attendance of over 42,887 from 1,942 companies. Specifically, 17,317 attendees were from the Mid Atlantic.

March 3 – 5: Johnstone Supply Member Meeting

Nashville, TN

Johnstone Supply is a cooperative wholesaler distributor of HVAC parts and equipment with 350 locations nationwide, including 17 in Pennsylvania. Johnstone's Annual Membership meeting is invitation only and TRC once again attended and exhibited as part of an ongoing effort with Johnstone to encourage and expand the cooperative's members' participation. The event is well attended by owners and senior staff and remains a unique opportunity to engage directly with key decision makers.

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March 17 – 19: The Indoor Environment & Energy Expo

Nashville, TN

Co-presented by ACCA, this expo is the largest marketplace for the indoor environmental and energy services contracting industry. TRC staff exhibited and promoted the program to attending HVAC contractors.

March 31 – April 2: HVACR Excellence Educators & Training Expo

Las Vegas, NV

The nation's largest conference that is dedicated to providing professional development exclusively for HVACR educators and trainers. TRC staff exhibited and promoted the program to educators to include information on mercury thermostat recycling in their trainings.

April 28 – May 1: ACI National Home Performance Show (New)

Detroit, MI

Affordable Comfort, Inc. (ACI) is the leading educational resource for the home performance industry. ACI trade shows feature product manufacturers and distributors, educational institutions, utilities, nonprofits, government agencies, industry media, trade associations, energy consultants, and more. TRC staff exhibited at this show.

May 2: NJ/PA PHCC Regional Trade Show (New)

Atlantic City, NJ

Hosted by the Plumbing-Heating-Cooling Contractors Association of New Jersey and Pennsylvania for contractors and business owners in the region. TRC staff exhibited at this show.

May 12 - 13: National Association of Oil and Energy Service Professionals

Mohegan Sun, CT

This was OESP's annual convention and trade show part one, with over 2,500 attendees representing close to 300 companies across New England. TRC staff again exhibited at this show.

June 10 – 11: New England Fuel Institute (NEFI) (New)

Worcester, MA

New England Fuel Institute (NEFI) is a nationally recognized organization of over 1,100 independent Oil, heat, propane, biofuel and motor fuel dealers and associated companies. TRC staff exhibited at this show.

August 4 – 6: Association for Energy Service Providers (AESP) Summer Conference (New)

San Francisco, CA

AESP is the premier organization for professionals in the energy efficiency industry. Over 300 industry professionals attend the event including utility professionals and industry advisors/implementers. TRC staff attended this show.

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August 21: APR Supply Show

Hershey, PA

This is an invitation-only event sponsored by APR Supply. APR Supply is a leading HVAC wholesale distributor in Pennsylvania and the show attracts over 1,000 HVAC contractor attendees. TRC again exhibited at this show.

September 17 – 18: International Facility Management Association (IFMA) World Workplace Conference & Expo 2014 (New)

New Orleans, LA

Held annually, IFMA's World Workplace meets the educational and networking needs of professionals who support the built environment. IFMA promotes World Workplace year-round to more than 23,000 members in 85 countries; plus an additional 200,000 workplace professionals. TRC attended the show.

September 22 – 23: Oil and Energy Service Professionals Road Show

Gettysburg, PA

This was OESP's annual convention and trade show part two, with over 2,500 attendees representing close to 300 companies across New England. TRC staff again exhibited at the show.

November 13: KEEA Energy Efficiency Conference (New)

Harrisburg, PA

Keystone Energy Efficiency Alliance is major renewable energy and efficiency non-profit in Pennsylvania. KEEA's Annual Energy Conference aims to unite the contractors and private corporations in the state of Pennsylvania. TRC staff attended along with over 180 other attendees.

December 6-9: Heating Air-conditioning and Refrigeration Distributors International (HARDI)

San Antonio, TX

TRC staff again exhibited and participated in the "Booth Program," which provides for 1-on-1 sessions with senior executive staff from HARDI member companies. This event targeted representatives of approximately 80% of the wholesale market for HVACR products. TRC also presented its annual "Big Man on the Planet Award."

Summary of Additional Education and Outreach by Channel

- Site Visits to Pennsylvania Wholesale Distributors and retailers — TRC staff visited 73 collection locations that hadn't returned a bin primarily or had other legal obligations within the past 6-12 months. (Appendix A)
- Proactive Outbound Calling Campaign — TRC staff completed nine outbound calls to collection locations.
- Dump Bin Displays — In July TRC developed branded displays to showcase the TRC container at HVAC wholesale distributor collection locations (Exhibit 18) to enhance the visibility of the program at HVAC wholesale collection locations. These displays were

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provided at no-cost to distributors nationwide, including R.E. Michel, Johnstone Supply, and APR Supply locations in Pennsylvania.

- **BMOP** — TRC partnered with Heating Air-conditioning and Refrigeration Distributors International (HARDI) for the third annual Big Man on Planet (BMOP) competition in 2014. TRC restructured the program to allow for multiple winners and included a \$500-\$1,000 incentive to the top three branch locations. The intent was to incent branch participation. In April TRC sent an invitation to the executives of 320 HARDI members encouraging their participation (Exhibit 19).

Participation increased 67% over 2013. Twenty-one distributors with more than 1,000 locations nationwide competed. The competition ran May 1st – October 31st and yielded 55,912 mercury thermostats nationally.

- Hosting Pennsylvania DEP's South Korean Guest with APR Supply

Exhibit 18: Dump Bin Display



Exhibit 19: BMOP Invitation



National Program Expenses

Exhibit 20: 2014 Program Administrative Expenses

Program Component	2013	2014	% Change
TRC Staff and Administration [†]	\$ 417,656	\$ 593,631	42%
Recycling Costs	\$ 317,874	\$ 356,043	12%
Incentive/Promotional Payments	\$ 23,955	\$ 47,712	99%
New Collection Containers	\$ 21,936	\$ 15,108	-31%
Travel	\$ 32,608	\$ 70,120	115%
Legal	\$ 27,696	\$ 40,373	46%
Direct Expense for Marketing & Outreach	\$ 194,761	\$ 289,347	49%
Total (expenses)	\$ 1,036,485	\$ 1,412,333	36%

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There was significant variance in many expense categories from 2013 to 2014. Causes for changes include:

- TRC staff and administration increased by 42% in 2014. TRC added a full-time national account manager in January 2014 and one more full-time operations coordinator in September 2014, effectively adding three full-time positions since January 2013.
- Incentive/Promotional Payments: Incentive payments in Maine and Vermont continue to decline, but TRC ran a variety of promotional campaigns leading to increased expense.
- Travel: The national account manager spends about 60% of his time on travel, primarily visiting collection locations and attending industry events.
- Direct Expense for Marketing/Outreach: Marketing expense increased by nearly 49%. This reflects increases in advertising, printing and the production/distribution costs of the bin display which cost over \$28,000.

Program Evaluation

TRC recorded its first collections from Pennsylvania locations in 2000, and achieved double digit collections in 2001¹. Collections steadily increased over time. Collections increased substantially following the requirement for HVAC wholesalers to collect mercury thermostats which went into effect in December 2009.

TRC met its 2014 goal. However, TRC also notes that most states with “mature” mandatory programs declined by double digits in 2013 and TRC believes the on-going decline in the installed base of mercury thermostats is beginning to weigh on returns.

TRC suggests that increased participation among other channel participants could offset the decline in inventory and collection growth is still possible. As such, TRC recommends no changes to program goals in 2015.

Exhibit 21: Program Goals

Base	7,018	% Increase
2010 Goal	9,500	35.37%
2011 Goal	12,000	35.62%
2012 Goal	13,000	14.25%
2013 Goal	14,000	14.25%
2014 Goal	15,000	14.25%
2015 Goal	15,500	7.12%
Cumulative Increase		120.86%

¹ TRC first recorded collections from nine states in 1998 and the program expanded to other states following their adoption of the Universal Waste Rule.

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Exhibit 22: TRC Pennsylvania Collections (whole thermostats) Over Time

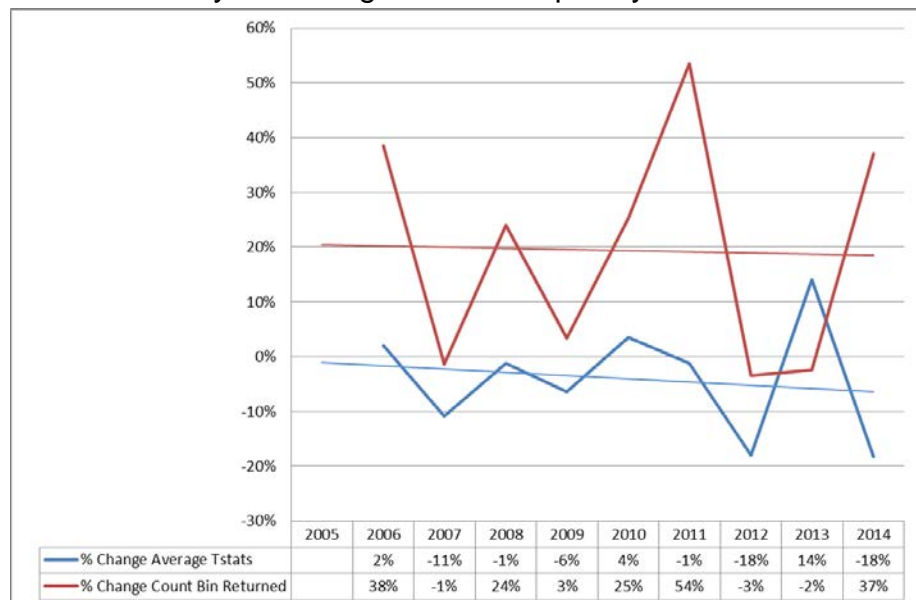
	2007	2008	% Change	2009	% Change	2010	% Change	2011	% Change	2012	% Change	2013	% Change	2014	% Change
Contractor	165	554	236%	598	8%	625	5%	2,394	283%	2,049	-14%	1,430	-30%	973	-32%
HHW Facility				149	100%	144	-3%	77	-47%		-100%				
Wholesaler/Dist	6,010	7,006	17%	6,573	-6%	8,731	33%	11,940	37%	9,357	-22%	11,266	20%	13,228	17%
Total	6,175	7,560	22%	7,320	-3%	9,500	30%	14,411	52%	11,406	-21%	12,696	11%	14,201	12%

Collections peaked in 2011, declined in 2012, but recovered in 2014. Data on the count of bin returns by most location types has been variable. Contractor participation peaked in 2011, reflecting the impact of a utility sponsored program on thermostat collections. Increased returns by wholesale locations in 2014, most likely reflect on-site visits by TRC staff in 2014.

Exhibit 23: Counts TRC Bin Returns over Time (Pennsylvania)

	2007	2008	2009	2010	2011	2012	2013	2014
Contractor	2	7	9	9	37	29	17	13
HHW Facility			2	2	1			
Wholesaler/Dist	69	81	80	103	137	140	148	213
Total	71	88	91	114	175	169	165	226

TRC also analyzed changes in the frequency of bin returns and quantity of thermostats in each bin.



The data illustrates the increased participation following the passage of the legislation and the long term negative trend in the number of units per bin.

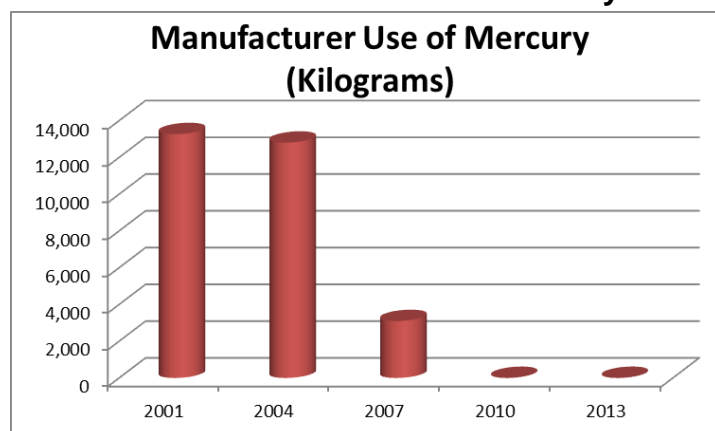
Conclusions

TRC draws several conclusions from this analysis:

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1. The program peaked around 2011 and is likely to decline over time. TRC successfully increased collection location participation in 2014, but as the average number of thermostats per return continues to decline, it will become more difficult to increase collections. It is uncontested that the number of thermostats available today and in the future is less than at the start of the mandatory program in 2009. Pennsylvania banned the sale of mercury thermostats in 2009 (all major manufacturers ceased production by 2008) and mercury thermostat's share of the market was in decline prior to the sales ban. Vermont DEC collected data on the age of thermostats in TRC bins and the most frequent age was approximately 17 years. Thermostats installed in the late 1990's now comprise the majority recovered and as the age of thermostats recovered approaches the date of the sales ban, the decline in numbers available to recycle will likely accelerate.

Exhibit 24: Manufacturer use of Mercury in Thermostats (source NEWMOA)



2. TRC outreach improves frequency of bin returns. TRC now routinely contacts collection locations by mail, phone and site visits.
3. At this point, education and promotion efforts in Pennsylvania seem to have little substantive impact on increasing contractor/technician participation in the program. Moreover, there is no evidence that general consumer advertising has a meaningful impact on participation. Reviewing this report and past reports, one sees the array of tactics employed in Pennsylvania in an effort to improve program results. These include print consumer advertising, online trade and consumer advertising, stakeholder outreach, direct mail to contracting businesses, improvements to collateral for use at collections sites, etc.
4. The data indicates that improving contractor/technician access to the program impacts collections to a far greater degree than education and promotion. The most substantive increases in collections followed the implementation of the mandate for HVAC wholesalers to collect.
5. Direct contractor participation in the program is limited and has not increased. Technicians with larger contracting businesses are less likely to visit HVAC wholesalers and greater direct participation by larger contractors is likely one of the best opportunities to increase collections

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in the future. TRC specifically targeted larger contractors in Pennsylvania in 2014 but saw little change in their level of participation.

In conclusion, TRC views the best opportunity for growth remains in increasing the number of collection locations actively participating in the program through increased wholesaler participation and/or increased direct participation by HVAC contractors. Otherwise, the long-term downward trend in number of units shipped per bin will continue to erode total collections in the state.

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Appendix A: Collection Location Site Visits

Account Name	Billing City	Billing State
United Refrigeration #1	Philadelphia	PA
APR Supply	Southampton	PA
Hajoca Corporation-York	York	PA
United Refrigeration #25	York	PA
Apr Supply Company-York	York	PA
APR Supply Company.- West York	York	PA
Thos. Somerville Co.-York	York	PA
Epsco-Wilkes-Barre	Wilkes-Barre	PA
Epsco-Wilke-Barre	Wilke-Barre	PA
Epsco-Scranton	Scranton	PA
Sid Harvey Industries-Olphant (Scranton)	Olphant (Scranton)	PA
United Refrigeration-Wilkes Barre	Wilkes Barre	PA
Binghamton Hardware & Hvac-Sugar Notch	Sugar Notch	PA
Apr Supply Company-Scranton	Scranton	PA
R.E. Michel Company, Inc.-Wilkes Barre	Wilkes Barre	PA
R. E. Michel Co	State College	PA
R.E. Michel Company	Monroeville	PA
United Refrigeration #35	Monroeville	PA
Robertson Heating Supply Co.-Cranberry Township	Cranberry Township	PA
Standard Air & Lite Corp.-Export	Export	PA
Standard Air & Lite Corp.-Pittsburgh	Pittsburgh	PA
T.F. Campbell	Pittsburgh	PA
Thos. Somerville	Chambersburg	PA
Trane Parts Ctr - Huntingdon 497	North Huntingdon	PA
United Refrigeration-State College	State College	PA
United Refrigeration #51	Bethel Park	PA
United Refrigeration #Y9	Greensburg	PA
Peirce-Phelps, Inc.-Lancaster	Lancaster	PA
United Refrigeration #17	Lancaster	PA
APR Supply Co.-Lancaster	Lancaster	PA
Sid Harvey Industries-Lancaster	Lancaster	PA
United Refrigeration #57-Philadelphia	Philadelphia	PA
Comfort Supply Inc.-Pittsburgh	Pittsburgh	PA
Gbg Supply	Pittsburgh	PA
Johnstone Supply Co-Bethel Park	Bethel Park	PA
Johnstone Supply #366	Greensburg	PA
Johnstone Supply Co-Monroeville	Monroeville	PA
Lennox Industries Inc. A140	Pittsburgh	PA
RSC	Cranberry Township	PA

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Penstan Supply, Div. Of Hajoca Corp.	Altoona	PA
Penstan Supply, Div. Of Hajoca Corp.	Cranberry Township	PA
Penstan Supply, Div. Of Hajoca Corp.	Ebensburg	PA
Pittsburgh Plumbing and Heating	Greensburg	PA
Apr Supply Company-Indiana	Indiana	PA
R.E. Michel Company, Inc-Altoona	Altoona	PA
R.E Michel	Bedford	PA
R.E. Michel Company, Inc-Bethel Park	Bethel Park	PA
R.E. Michel Company, Inc-Cranberry Township	Cranberry Township	PA
R.E. Michel Company, Inc-Ebensburg	Ebensburg	PA
York International/Johnson Controls-Lemoyne	Lemoyne	PA
Hajoca Corporation	Harrisburg	PA
Meier Supply Co., Inc.-Harrisburg	Harrisburg	PA
Meier Supply Co., Inc.-Wilkes-Barre	Wilkes-Barre	PA
Meier Supply Co Inc-Scranton	Scranton	PA
Meier Supply Co Inc-Altoona	Altoona	PA
R.F. Fager Co.-Harrisburg	Harrisburg	PA
R.E. Michel Company, Inc.-Scranton	Scranton	PA
R.E. Michel Company, Inc-Somerset	Somerset	PA
R.E. Michel Company, Inc-Carlisle	Carlisle	PA
Peirce-Phelps, Inc.-Camp Hill	Camp Hill	PA
Peirce-Phelps, Inc.-Wilkes-Barre	Wilkes-Barre	PA
Peirce-Phelps, Inc.-State College	State College	PA
United Refrigeration #B8	Mechanicsburg	PA
Lyon, Conklin & Co., Inc., a Ferguson Enterprise-Pittston	Pittston	PA
Lyon Conklin Co Inc. 1140	Harrisburg	PA
APR Supply Co.-Philadelphia	Philadelphia	PA
Apr Supply Company-Kingston	Kingston	PA
R.F. Fager Co. - York	York	PA
APR Supply Company-New Oxford	New Oxford	PA
Home Depot	Philadelphia	PA
Home Depot	Philadelphia	PA
Lowe's	Philadelphia	PA
Lowe's - Northwest Philadelphia	Philadelphia	PA

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APPENDIX B: Locations and Number Returned

Collection Location Name	Business Type	Street 1	Street 2	City	State	Zip	Count-Bins at Location	Count-Lost/Misplaced Bins	Date(s) of Bin(s)Receipt	Total Stats	Total Switches	Total Mercury
R.E. Michel Company, Inc	Wholesalers	10 Leonberg Road		Cranberry Township	PA	16066	2	0	09/05/2014, 09/16/2014	199	249	1.54
Robertson Heating Supply Co.	Wholesalers	10 Mill Street		Wheatland	PA	16161	1	0		0	0	0.00
Sid Harvey Industries	Wholesalers	10 Readshaw Way		Pittsburgh (South Hills)	PA	15236	2	0	07/24/2014	45	48	0.30
ShIPLEY Energy	Contractor	100 Kindig Lane		Hanover	PA	17331	1	0		0	0	0.00
Johnson Controls	Wholesalers	100 Schell Lane		Phoenixville	PA	19403	1	0		0	0	0.00
Johnson Controls	Wholesalers	1000 Bethlehem Pike		Colmar	PA	18915	1	0	05/29/2014	80	115	0.71
York Upg	Wholesalers	1000 Bosler Avenue		Lemoyne	PA	17043	1	0	03/14/2014	38	70	0.43
Apr Supply Company	Wholesalers	1000 E. Seventh Street		Bloomsburg	PA	17815	1	0		0	0	0.00
Scott Electric	Wholesalers	1000 South Main Street		Greesburg	PA	15601	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	1000 Sussex Blvd.		Broomall	PA	19008	2	0	02/07/2014, 04/28/2014, 10/30/2014, 11/04/2014, 12/23/2014	416	531	3.29
Hajoca Corporation	Wholesalers	1005 E. Boundary Avenue		York	PA	17403	1	0	04/30/2014	29	32	0.20
Johnson Controls	Wholesalers	1006 Seco Rd		Monroeville	PA	15146	1	0	03/13/2014	35	37	0.23
Peirce-Phelps, Inc.	Wholesalers	101 Willowbrook Lane		West Chester	PA	19382	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	1028 Morton Avenue		Chester	PA	19013	1	0		0	0	0.00
Reading Foundry & Supply Co	Wholesalers	103 South Madison Street		Pottstown	PA	19464	1	0		0	0	0.00
United Refrigeration	Wholesalers	1030 Vogelsong Road		York	PA	17404	1	0	04/30/2014	6	11	0.07
Sunbury Supply	Wholesalers	1030 Walnut		Sunbury	PA	17801	1	0		0	0	0.00

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Company, Inc.		Street										
Standard Air & Lite Corp.	Wholesalers	1034 Corporate Lane		Export	PA	15632	1	0	08/19/2014	4	4	0.02
R.E. Michel Company, Inc	Wholesalers	1036 Industrial Avenue		Bedford	PA	15522	2	0	10/31/2014	17	21	0.13
Morvent'S One Hour	Contractor	1041 Andrew Drive		West Chester	PA	19380	1	0		0	0	0.00
Altemos/Atlantic Fuel	Wholesalers	1046 No. Quebec St.		Allentown	PA	18109	1	0		0	0	0.00
Penstan Supply, Div. Of Hajoca Corp.	Wholesalers	1050 Philadelphia St.		Indiana	PA	15701	1	0	03/18/2014	68	73	0.45
Sid Harvey Industries	Wholesalers	1052 Hanover St.		Wilkes Barre	PA	18706	1	0		0	0	0.00
Peirce-Phelps, Inc.	Wholesalers	10551 Decatur Rd.		Philadelphia	PA	19154	1	0		0	0	0.00
Grove Supply Inc.	Wholesalers	106 Steamboat Drive		Warminster	PA	18974	1	0		0	0	0.00
United Refrigeration	Wholesalers	1075 South Main St, Rt 119		Greensburg	PA	15601	1	0	03/10/2014	1	4	0.02
Burke Wholesale	Wholesalers	1077 Million Dollar Highway		St. Marys	PA	15857	1	0		0	0	0.00
Hvac Distributors	Wholesalers	110 Agnes Street		Harrisburg	PA	17104	1	0		0	0	0.00
Lennox Industries Inc.	Wholesalers	110 Parkway View Drive		Pittsburgh	PA	15205	1	0	03/11/2014	2	2	0.01
Irr Supply Center	Wholesalers	1108 W 12Th Street		Erie	PA	16501	1	0		0	0	0.00
Famous Supply	Wholesalers	1110 W. Chestnut Street		Washington	PA	15301	1	0		0	0	0.00
Ferguson Enterprises, Inc	Wholesalers	1116 Longford Road		Oaks	PA	19456	2	0		0	0	0.00
Sid Harvey Industries	Wholesalers	1124 Roosevelt Ave.		York	PA	17404	1	0	08/06/2014	54	63	0.39
Apr Supply Company	Wholesalers	1133 Manheim Pike		Lancaster	PA	17601	1	0		0	0	0.00
Apr Supply Company	Wholesalers	1139 Broad St.		Greensburg	PA	15601	1	0		0	0	0.00
Meier Supply Co Inc	Wholesalers	114 Banner Row		Stroudsburg	PA	18360	1	0		0	0	0.00
Goodman Distribution, Inc.	Wholesalers	114 Henderson Drive, Suite 115		Sharon Hill	PA	19079	1	0	08/08/2014	4	5	0.03
United Refrigeration	Wholesalers	11401 Roosevelt Blvd		Philadelphia	PA	19154	1	0	03/12/2014, 08/02/2014	71	119	0.74

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Brandywine Ace Hardware	Retailers	1150 Pocopson Road		West Chester	PA	19382	1	0		0	0	0.00
Sid Harvey Industries	Wholesalers	1155 Mid-Valley Dr.		Olphant (Scranton)	PA	18447	1	0	04/11/2014	66	96	0.60
York Upg	Wholesalers	1182 Sathers Drive		Pittston	PA	18640	1	0		0	0	0.00
Trane Supply	Wholesalers	1185 N. Washington Street		Wilkes Barre	PA	18705	1	0	10/23/2014	27	102	0.63
Apr Supply Company	Wholesalers	120 S. Adams Street		York	PA	17404	1	0	05/01/2014	137	162	1.00
Apr Supply Company	Wholesalers	1200 Balata Street		Easton	PA	18042	1	0		0	0	0.00
T.F. Campbell Co.	Wholesalers	1203 Edgebrook Avenue		Pittsburgh	PA	15226	1	0		0	0	0.00
Westburne Supply Co.	Wholesalers	1210 W Chester Pike		West Chester	PA	19832	1	0		0	0	0.00
Us Supply	Wholesalers	1213 Germontown Ave.		Philadelphia	PA	19122	1	0		0	0	0.00
Wallace Electric, Inc.	Contractor	1213 N. Gravel Pike		Zieglerville	PA	19492	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	123 26Th Street		Pittsburgh	PA	15222	2	0	07/24/2014, 08/18/2014, 10/20/2014	340	412	2.55
Standard Air & Lite	Wholesalers	1241-D Freedom Street		Cranberry Township	PA	16066	1	0		0	0	0.00
Robertson Heating Supply Co.	Wholesalers	1245 Freedom Rd.		Cranberry Twp.	PA	16066	1	0		0	0	0.00
Sid Harvey Industries	Wholesalers	125 East Ave		Wellsboro	PA	16901	1	0		0	0	0.00
United Refrigeration	Wholesalers	1250 W. Liberty Street		Allentown	PA	18102	1	0		0	0	0.00
Abco Refrigeration Supply	Wholesalers	12600 Townsend Rd.		Philadelphia	PA	19154	1	0		0	0	0.00
Lancaster County Solid Waste Management Authority	HHW Facility	1299 Harrisburg Pike		Lancaster	PA	17603	2	0		0	0	0.00
Difilippos Service Co. Inc	Contractor	13 Railroad Avenue		Paoli	PA	19301	2	0		0	0	0.00

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Us Supply	Wholesalers	1301 Morton Ave.		Chester	PA	19013	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	1302 Myrtle Street		Erie	PA	16501	4	0	03/10/2014, 03/11/2014, 03/11/2014, 10/29/2014	373	415	2.57
Apr Supply Company	Wholesalers	1302 W. Broad Street		Bethlehem	PA	18018	1	0		0	0	0.00
Friedman Electric Supply Company	Wholesalers	1321 Wyoming Avenue		Exeter	PA	18643	15	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	133 Cannell Drive		Somerset	PA	15501	2	0	03/14/2014, 03/10/2014, 10/30/2014	241	295	1.83
Interstate Waste Services, Inc - For Northern Landfill	HHW Facility	135 Vaughn Road		Shippensburg	PA	17257	1	0		0	0	0.00
Mccrudden Heating Supply Inc	Wholesalers	14 Fair St.		West Middlesex	PA	16159	1	0	01/20/2014, 09/11/2014	232	323	2.00
Johnson Controls	Wholesalers	140 Hollywood Drive		Butler	PA	16001	1	0	11/08/2014	34	50	0.31
R.E. Michel Company, Inc	Wholesalers	140 W. Berkeley St		Uniontown	PA	15401	2	0	03/11/2014, 10/29/2014	98	129	0.80
Lennox Industries Inc.	Wholesalers	1400 Aip Drive Suite 400		Middletown	PA	17057	2	0		0	0	0.00
Thos. Somerville	Wholesalers	1401 Slate Hill Road		Camphill	PA	17011	2	0	03/11/2014, 09/10/2014	73	112	0.69
Lyon Conklin Co Inc.	Wholesalers	140-144 Centerpoint Boulevard		Pittston	PA	18640	2	0	08/08/2014	10	17	0.11
Montgomery County	HHW Facility	1430 Dekalb Street 5Th Floor		Norristown	PA	19404	2	0		0	0	0.00
Shiple Energy	Contractor	1451 Spahn Avenue		York	PA	17403	2	1	04/07/2014	38	39	0.24
Apr Supply Company	Wholesalers	148 S. Vine Street		Hazleton	PA	18201	1	0		0	0	0.00
Comfort Supply Inc	Wholesalers	150 Kisow Drive		Pittsburgh	PA	15205	1	0	03/12/2014	3	3	0.02
Trane Parts Ctr - Huntingdon 497	Wholesalers	15091 R0Ute 30		North Huntingdon	PA	15642	1	0	03/13/2014	16	24	0.15
Walter A. Dwyer Inc.	Contractor	152 S. Main St.		Ambler	PA	19002	1	0	01/23/2014	91	126	0.78

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Delaware County Solid Waste Authority	HHW Facility	1521 N. Providence Road, Rose Tree Park-Hunt Club Building		Media	PA	19063	1	0		0	0	0.00
Hvac Distributors	Wholesalers	1525 Beaver Avenue		Pittsburgh	PA	15233	1	0		0	0	0.00
Johnson Controls	Wholesalers	1548 Pennsylvania Ave		Monaca	PA	15061	1	0		0	0	0.00
Hajoca Corporation	Wholesalers	1550 Bobali Drive		Harrisburg	PA	17104	1	0	03/10/2014	18	29	0.18
R.E. Michel Company, Inc	Wholesalers	1569 Woodward Road Ext.		Greensburg	PA	15601	2	0	10/24/2014	4	7	0.04
The Hardware Store	Retailers	16 Paoli Shopping Center		Paoli	PA	19301	1	0		0	0	0.00
Us Supply	Wholesalers	1601 Republic Road Suite 100		Huntingdon Valley	PA	19066	1	0		0	0	0.00
Dauphin County Recycling Center	HHW Facility	1620 S. 19Th Street		Harrisburg	PA	17104	2	0		0	0	0.00
Johnson Controls	Wholesalers	1628 Rosey Town Road		Greensburg	PA	15601	1	0	03/13/2014	40	52	0.32
Irr Supply Center	Wholesalers	1645 West 26Th Street		Erie	PA	16508	1	0		0	0	0.00
Sid Harvey Industries	Wholesalers	1650 E Race St		Allentown	PA	18109	1	0	06/20/2014, 08/01/2014, 12/03/2014	261	376	2.33
R.E. Michel Company, Inc	Wholesalers	1699 Frederick Avenue		Williamsport	PA	17701	2	0	10/20/2014	36	36	0.22
Riley Sales	Wholesalers	1719 Romano Dr		Plymouth Meeting	PA	19462	1	0	08/19/2014, 08/19/2014, 08/20/2014	193	324	2.01
Us Supply	Wholesalers	176 N. Cain Road		Coatesville	PA	19320	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	177 Mercer Street		Meadville	PA	16335	2	0	06/23/2014, 10/22/2014	139	179	1.11
Us Supply	Wholesalers	18 Industrial Drive		Bloomsburg	PA	17820	1	0		0	0	0.00
United Refrigeration	Wholesalers	180 Seco Road		Monroeville	PA	15146	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	1807 9Th Avenue		Altoona	PA	16602	2	0	04/14/2014, 10/28/2014	140	164	1.02

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United Refrigeration	Wholesalers	1825 N. Franklin Street		Pittsburgh	PA	15233	1	0	03/11/2014	9	21	0.13
Carrier Enterprise	Wholesalers	1825 Peninsula Drive		Erie	PA	16505	1	0	08/01/2014	10	10	0.06
Hvac Distributors	Wholesalers	1840 E. Race Street		Allentown	PA	18109	1	0		0	0	0.00
Scott Electric	Wholesalers	1840 East 10Th Street		Erie	PA	16511	1	0		0	0	0.00
Keystone Supply	Wholesalers	185 W. Wyoming Avenue		Philadelphia	PA	19140	1	0	11/06/2014, 11/21/2014, 12/10/2014	45	90	0.56
Apr Supply Company	Wholesalers	1851 Ups Drive		Harrisburg	PA	17104	2	0	09/18/2014	102	136	0.84
Epsco	Wholesalers	1892 West Front Street		Berwick	PA	18603	1	0		0	0	0.00
Hvac Distributors, Inc.	Wholesalers	2 Old Market Street		Mount Joy	PA	17552	3	0	01/06/2014, 05/23/2014, 05/27/2014, 10/17/2014, 10/17/2014	466	737	4.57
Folcarelli Supply Co. Branch 3	Wholesalers	20 Matthew St.		Johnstown	PA	15901	1	0		0	0	0.00
Apr Supply Company	Wholesalers	20 Matthews Street		Johnstown	PA	15901	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	200 Commerce Drive		Washington	PA	15301	1	0	10/29/2014	24	35	0.22
Hannabery Hvac	Contractor	200 Schantz Road		Allentown	PA	18104	4	0	03/14/2014, 07/30/2014, 10/20/2014	185	352	2.18
Ferguson Enterprises, Inc	Wholesalers	200 South Chestnut Street		Lansdale	PA	19446	2	0		0	0	0.00
Peirce-Phelps, Inc.	Wholesalers	2000 N. 59Th Street		Philadelphia	PA	19131	2	0		0	0	0.00
Hvac Distributors	Wholesalers	201 Locust Street		Youngwood	PA	15697	1	0		0	0	0.00
Meier Supply Co Inc	Wholesalers	2031 West 12Th Street		Erie	PA	16505	1	0	08/05/2014	13	15	0.09
Central Atlantic	Wholesalers	2035 E. Glenwood Ave.		Philadelphia	PA	19124	1	0		0	0	0.00
R.F. Fager Co.	Wholesalers	2058 State Road		Camp Hill	PA	17011	1	0	01/09/2014	118	227	1.41
Apr Supply Company	Wholesalers	2060 Shelly Drive		Indiana	PA	15701	1	0	08/12/2014	6	6	0.04
Pittsburgh Air Systems/Air	Wholesalers	208 Bilmar Drive		Pittsburgh	PA	15205	1	0		0	0	0.00

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Industrial												
P&N Distribution	Wholesalers	210 B Progress Drive		Montgomeryville	PA	18936	1	0	09/19/2014	103	138	0.86
Goodman Distribution, Inc.	Wholesalers	212 Cascade Drive		Allentown	PA	18109	1	0	11/25/2014	3	6	0.04
Ugi Hvac	Wholesalers	2121 City Line Road		Bethlehem	PA	18017	1	0	05/09/2014	101	108	0.67
Hvac Distributors	Wholesalers	215 Bridgewater Road		Aston	PA	19014	1	0		0	0	0.00
Goodman Distribution, Inc.	Wholesalers	2191 Hornig Road, Suite 1		Philadelphia	PA	19116	1	0	08/05/2014	42	79	0.49
Binghamton Hardware & Hvac	Wholesalers	220 King Street		East Stroudsburg	PA	18301	1	0		0	0	0.00
Tom Antonelli Inc	Wholesalers	2201 Hunter Road		Bristol	PA	19007	2	0	03/12/2014	68	89	0.55
Johnson Controls	Wholesalers	2221 Sycamore Street		Harrisburg	PA	17111	1	0		0	0	0.00
Ugi Hvac	Wholesalers	225 Morgantown Road		Reading	PA	19607	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	2250 Manor Avenue		Upper Darby	PA	19082	4	1		0	0	0.00
Peirce-Phelps, Inc.	Wholesalers	2251 Industrial Hwy.		York	PA	17402	1	0	08/15/2014, 09/03/2014, 11/07/2014	230	313	1.94
Peirce-Phelps, Inc.	Wholesalers	230 Executive Dr., Ste. 127		Cranberry Township	PA	16066	0	0	03/12/2014	2	2	0.01
Johnson Controls	Wholesalers	2300-A North Fifth St		Reading	PA	19606	1	0	04/07/2014	106	141	0.87
R.E. Michel Company, Inc	Wholesalers	2315 Ave A		Bethlehem	PA	18017	2	0	11/05/2014, 11/06/2014	187	269	1.67
Re-Source York	Retailers	235 N. Beaver St.		York	PA	17401	1	0		0	0	0.00
Meier Supply Co Inc	Wholesalers	2359 Woodlawn Street		Harrisburg	PA	17104	1	0	03/10/2014	16	37	0.23
R.E. Michel Company, Inc	Wholesalers	2371 Commercial Blvd		State College	PA	16801	1	0	11/04/2014	73	106	0.66
Us Supply	Wholesalers	240 Rt. 13 & Bath Road		Bristol	PA	19007	1	0		0	0	0.00
Standard Air & Lite	Wholesalers	2406 Woodmere		Pittsburgh	PA	15205	1	0		0	0	0.00

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		Avenue										
Eastern Penn Supply Co.	Wholesalers	243 W. Pine St.		Athens	PA	18810	1	0		0	0	0.00
Epsco	Wholesalers	251 Lloyd Street		Allentown	PA	18103	1	0		0	0	0.00
Don Hiller Plumbing & Heating Llc	Contractor	252 Prompton Road		Honesdale	PA	18431	1	0		0	0	0.00
Peirce-Phelps, Inc.	Wholesalers	2551A Carolean Industrial Drive		State College	PA	16801	2	0		0	0	0.00
Apr Supply Company	Wholesalers	2553A Carolean Industrial Drive		State College	PA	16801	1	0	08/08/2014	5	14	0.09
Johnson Controls	Wholesalers	2578 Industry Lane		Norristown	PA	19403	1	0	10/03/2014	93	126	0.78
R.E. Michel Company, Inc	Wholesalers	2588 Industry Lane	Suite 100	Norristown	PA	19403	1	0		0	0	0.00
Johnson Controls	Wholesalers	2609 Dearborn Street		Easton	PA	18045	1	0	04/30/2014, 09/08/2014, 11/21/2014	104	175	1.09
Grove Supply Inc.	Wholesalers	2626 S. 18Th Street		Philadelphia	PA	19145	1	0		0	0	0.00
Weinstein Supply Co	Wholesalers	265 1/2 Wycombe Avenue		Lansdowne	PA	19050	1	0		0	0	0.00
Epsco	Wholesalers	2655 Sr 45		Montandon	PA	17850	1	0		0	0	0.00
Apr Supply Company	Wholesalers	280 River Road		Pottstown	PA	19464	1	0	08/11/2014	18	20	0.12
Meier Supply Co Inc	Wholesalers	2810 Pleasant Valley		Altoona	PA	16602	1	0	08/01/2014	7	9	0.06
Meier Supply Co Inc	Wholesalers	290 High St.		Hanover	PA	17331	1	0	06/04/2014, 06/03/2014, 07/16/2014	297	512	3.18
United Refrigeration	Wholesalers	2929 Stewart Drive		State College	PA	16801	1	0		0	0	0.00
Johnson Controls	Wholesalers	299 Boot Road		Downingtown	PA	19335	1	0		0	0	0.00
Trane Parts Ctr - Pittsburgh 495	Wholesalers	3042 New Beaver Ave		Pittsburgh	PA	15233	1	0	04/10/2014	2	2	0.01
Apr Supply Company	Wholesalers	305 N. 5Th Street		Lebanon	PA	17046	1	0	07/28/2014, 12/09/2014	189	267	1.66
York Upg	Wholesalers	306 Camer Drive		Bensalem	PA	19020	1	0	11/13/2014	36	55	0.34
Apr Supply	Wholesalers	311 Brushton		Pittsburgh	PA	15221	1	0		0	0	0.00

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Company		Ave.										
National Energy Control Corp	Wholesalers	312 Darby Road		Havertown	PA	19083	1	0		0	0	0.00
Thos. Somerville	Wholesalers	3140 Hempland Road		Lancaster	PA	17601	2	0		0	0	0.00
Johnson Controls	Wholesalers	3140 Sassafrasway		Pittsburgh	PA	15201	1	0		0	0	0.00
Weinstein Supply	Wholesalers	3155 Terwood Road		Willow Grove	PA	19090	1	0		0	0	0.00
United Refrigeration	Wholesalers	317 National Road		Exton	PA	19341	1	0	04/09/2014	81	135	0.84
Lyon Conklin Co Inc.	Wholesalers	317 Westtown Road, Suite 1		West Chester	PA	19382	2	0	05/06/2014, 06/11/2014	124	193	1.20
Refrigeration Sales Corp	HHW Facility	3180 Sassafras Way		Pittsburgh	PA	15021	1	0		0	0	0.00
United Refrigeration	Wholesalers	320 Commerce Park Drive		Cranberry Township	PA	16066	1	0		0	0	0.00
Apr Supply Company	Wholesalers	320 Lincoln Hwy East		New Oxford	PA	17350	1	0	08/07/2014	36	60	0.37
R.E. Michel Company, Inc	Wholesalers	322 West Town Rd.		West Chester	PA	19380	1	0	09/08/2014, 09/25/2014	173	273	1.69
Ace Hardware Of Thorndale	Retailers	3227 E. Lincoln Highway		Thorndale	PA	19372	1	0		0	0	0.00
Apr Supply Company	Wholesalers	325 W. 3Rd Street		Williamsport	PA	17701	1	0	10/20/2014	17	17	0.11
United Refrigeration	Wholesalers	326 Buttonwood Street		Reading	PA	19601	1	0	08/08/2014	101	159	0.99
R.E. Michel Company, Inc	Wholesalers	333 E. Hunting Park Avenue		Philadelphia	PA	19124	1	0	04/25/2014	76	109	0.68
Johnson Controls	Wholesalers	340 W. Roseville Road		Lancaster	PA	17601	1	0	07/30/2014, 11/19/2014	200	229	1.42
Hvac Distributors	Wholesalers	341 Enterprise Way		Pittston	PA	18640	1	0		0	0	0.00
Mourar'S Heating & Cooling	Contractor	345 Morgan St		Phoenixville	PA	19460	1	0	12/19/2014	77	105	0.65
Johnson Controls	Wholesalers	3470 Babcock Blvd		Pittsburgh	PA	15237	1	0		0	0	0.00
Hvac Distributors	Wholesalers	3530 W. College Avenue		State College	PA	16801	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	3560 Gillespie Drive		York	PA	17404	2	0	10/24/2014, 10/24/2014, 11/07/2014	310	474	2.94
Us Supply	Wholesalers	3560 Schuylkill		Spring City	PA	19475	1	0		0	0	0.00

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		Road										
Peirce-Phelps, Inc.	Wholesalers	360 Steel Way		Lancaster	PA	17601	1	0	04/14/2014, 05/02/2014, 05/21/2014, 09/09/2014, 11/13/2014	323	683	4.23
Peirce-Phelps, Inc.	Wholesalers	3600 Progress Street	#200	Bensalem	PA	19020	1	0		0	0	0.00
United Refrigeration	Wholesalers	365 Constance Drive		Warminster	PA	18974	1	0	04/21/2014, 07/18/2014, 09/12/2014	279	556	3.45
Thos. Somerville	Wholesalers	3735 Board Rd		York	PA	17406	1	0	04/30/2014	23	38	0.24
Burkholder'S Hvac	Contractor	383 Minor Street		Emmaus	PA	18049	1	0		0	0	0.00
Robertson Heating Supply Co.	Wholesalers	385 S. Oakland Ave		Sharon	PA	16146	1	0		0	0	0.00
R.F. Fager Co.	Wholesalers	3901D Derry St.		Harrisburg	PA	17111	1	0	03/13/2014	26	38	0.24
Epsco	Wholesalers	395 Coal Street		Wilkes-Barre	PA	18702	1	0		0	0	0.00
Scott Electric	Wholesalers	39Th & Butler Street		Pittsburgh	PA	15201	1	0		0	0	0.00
Boyle Bros Fuel Oil, Inc	Contractor	40 W. Manoa Rd		Havertown	PA	19083	1	0		0	0	0.00
Epsco	Wholesalers	400 S. Washington Avenue		Scranton	PA	18505	1	0		0	0	0.00
Clyde S. Walton, Inc	HHW Facility	400 South Broad Street		Lansdale	PA	19446	2	0		0	0	0.00
Venago Supply	Wholesalers	4000 State Route 257		Seneca	PA	16346	1	0		0	0	0.00
Grove Supply Inc.	Wholesalers	401 N. 14Th Street		Allentown	PA	18102	1	0		0	0	0.00
Summers & Zim'S	Wholesalers	403 Valley Ave		Atglen	PA	19310	1	0	04/15/2014	87	125	0.78
Re-Source York	Retailers	405 Carlisle Ave		York	PA	17403	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	405 Gilligan Street		Scranton	PA	18508	1	0	10/21/2014	10	14	0.09
Apr Supply Company	Wholesalers	408 N. Main Street		Shrewsbury	PA	17361	2	0	12/22/2014	7	14	0.09
Apr Supply Company	Wholesalers	409 Grant Street		Chambersburg	PA	17201	1	0	10/22/2014	96	142	0.88
Sid Harvey Industries	Wholesalers	410 S. Henderson Rd.		King Of Prussia	PA	19406	1	0		0	0	0.00

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United Refrigeration	Wholesalers	4111 Whitaker Avenue		Philadelphia	PA	19124	1	0		0	0	0.00
Folcarelli Supply Co. Branch 1	Wholesalers	4141 6Th Ave.		Altoona	PA	16602	1	0	10/30/2014	43	127	0.79
Apr Supply Company	Wholesalers	4141 6Th Avenue		Altoona	PA	16602	1	0	04/11/2014	38	39	0.24
Homer Nine And Sons	Contractor	415 Mulberry St.		Beaver	PA	15009	1	0	10/08/2014	93	134	0.83
Famous Supply	Wholesalers	419 Hileman Drive		New Kensington	PA	15068	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	421-D Amity Road		Harrisburg	PA	17111	1	0	07/11/2014, 11/01/2014	145	216	1.34
Sid Harvey Industries	Wholesalers	4244 Macalester St.		Philadelphia	PA	19124	1	0		0	0	0.00
Thos. Somerville	Wholesalers	425 Nelson St		Chambersburg	PA	17201	1	0		0	0	0.00
Thos. Somerville	Wholesalers	425 Welson St		Chambersburg	PA	17201	1	0	03/10/2014	50	74	0.46
R.E. Michel Company, Inc	Wholesalers	43 Conyngham Ave		Wilkes-Barre	PA	18702	2	0	04/15/2014, 10/22/2014	156	201	1.25
Peirce-Phelps, Inc.	Wholesalers	43 Conyngham Ave.		Wilkes-Barre	PA	18702	1	0		0	0	0.00
Famous Supply	Wholesalers	434 Melwood Avenue		Pittsburgh	PA	15213	1	0		0	0	0.00
Lukjan Supply & Mfg, Inc	Wholesalers	4364 West Ridge Road		Erie	PA	16506	2	0	08/05/2014	84	116	0.72
Sid Harvey Industries	Wholesalers	4408 Pottsville Pike		Reading	PA	19605	1	0	03/12/2014	103	160	0.99
Brinker Fuels	Wholesalers	445 N. West St		Doylestown	PA	18901	1	0		0	0	0.00
United Refrigeration	Wholesalers	4490 Lewis Road		Harrisburg	PA	17111	1	0	08/06/2014	37	66	0.41
R.E. Michel Company, Inc	Wholesalers	452 Allen Rd.		Carlisle	PA	17015	2	0	03/12/2014, 11/01/2014	97	167	1.04
R.E. Michel Company, Inc	Wholesalers	461 North West End Blvd.		Quakertown	PA	18951	4	0	08/01/2014, 10/14/2014	116	175	1.09
Apr Supply Company	Wholesalers	462 N. 4Th Street		Philadelphia	PA	19123	1	0	11/05/2014, 11/25/2014, 12/16/2014, 12/29/2014	166	316	1.96
Johnson Controls	Wholesalers	4700 B Wissahickon Ave. - Closed		Philadelphia	PA	19144	1	1	02/19/2014	29	45	0.28
Goodman Distribution, Inc.	Wholesalers	480 Shoemaker Road, Suite 106		King Of Prussia	PA	19406	1	0	11/13/2014, 12/11/2014	182	255	1.58

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Peirce-Phelps, Inc.	Wholesalers	490 Saint Johns Church Rd.		Camp Hill	PA	17011	1	0	04/29/2014, 09/12/2014, 09/30/2014	266	414	2.57
Trane Parts Ctr - Harrisburg 496	Wholesalers	491-E Blue Eagle Ave		Harrisburg	PA	17112	1	0		0	0	0.00
Charles F. Reichert, Inc	Wholesalers	4931 N. 6Th Street		Philadelphia	PA	19120	1	0		0	0	0.00
Energy Equip & Cont Inc	Wholesalers	495 Business Park Lane		Allentown	PA	18103	1	0		0	0	0.00
Ballasthq	Wholesalers	496 Lower Fricks Lock Road	Ste. 1	Pottstown	PA	19465	1	0		0	0	0.00
Us Supply	Wholesalers	50 Portland Road		West Conshohocken	PA	19428	1	0		0	0	0.00
Apr Supply Company	Wholesalers	50 West Charles Street		Lewistown	PA	17044	1	0	07/01/2014	66	140	0.87
The Labor Plumbing And Heating Supply Inc.	Wholesalers	5000 Umbria Street		Philadelphia	PA	19128	1	0		0	0	0.00
Apr Supply Company	Wholesalers	505 Keystone Road	Unit D	Southampton	PA	18966	1	0	04/29/2014, 09/24/2014	144	518	3.21
Johnson Controls	Wholesalers	505 Parkway		Broomall	PA	19008	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	511 W. Roseville Rd.		Lancaster	PA	17601	3	0	03/13/2014, 04/22/2014, 08/29/2014	317	496	3.08
Us Supply	Wholesalers	51-59 Greenfield Ave.		Ardmore	PA	19003	1	0		0	0	0.00
Conestoga Supply	Wholesalers	517 N 2Nd Ave		Lebanon	PA	17046	1	0	01/09/2014, 09/24/2014, 10/17/2014	361	424	2.63
Lennox Industries Inc.	Wholesalers	518 Thompson Park Drive, #400		Cranberry Township	PA	16066	2	0		0	0	0.00
Lehigh Oil & Heat	Wholesalers	533 E. Penn St.		Lehigh	PA	18235	1	0		0	0	0.00
Sid Harvey Industries	Wholesalers	535A E. Ross St.		Lancaster	PA	17602	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	5384 Enterprise Blvd.		Bethel Park	PA	15102	1	0	06/26/2014, 10/23/2014, 10/07/2014, 10/28/2014	304	372	2.30
Lennox Industries Inc.	Wholesalers	540 East Unions St.,		West Chester	PA	19382	1	0	12/05/2014	3	5	0.03

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		Suites A&B										
Johnson Controls	Wholesalers	5407 Progress Blvd		Bethel Park	PA	15102	1	0	03/13/2014, 12/05/2014	191	250	1.55
United Refrigeration	Wholesalers	5459 Progress Boulevard		Bethel Park	PA	15102	1	0	03/11/2014	7	16	0.10
Hajoca Corporation	Wholesalers	549 So. Hazle St.		Hazleton	PA	18201	1	0		0	0	0.00
Epsco	Wholesalers	55 West Street		Tunkhannock	PA	18657	1	0		0	0	0.00
Lyon Conklin Co Inc.	Wholesalers	550 S. Henderson Road		King Of Prussia	PA	19406	2	0		0	0	0.00
N & N Supply Co. Inc.	Wholesalers	5909-17 Ditman Street		Philadelphia	PA	19135	1	0	08/08/2014	13	13	0.08
Trane Parts Ctr - Allentown 909	Wholesalers	5925 Tilghman St Suite 60		Allentown	PA	18104	1	0	12/19/2014	47	130	0.81
John Cipollone, Inc.	Wholesalers	600 Darby Road		Havertown	PA	19083	1	0	02/20/2014, 09/12/2014	69	83	0.51
Peirce-Phelps, Inc.	Wholesalers	603 General Washington Ave		Norristown	PA	19403	3	0	03/06/2014, 11/10/2014, 12/03/2014	110	508	3.15
United Refrigeration	Wholesalers	606 Spring Garden Street		Philadelphia	PA	19123	1	0	11/13/2014	36	47	0.29
United Refrigeration	Wholesalers	610 Delp Road		Lancaster	PA	17601	1	0		0	0	0.00
Us Supply	Wholesalers	610-N 4Th St.		Lewisburg	PA	17837	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	611 West Lloyd Street		Ebensburg	PA	15931	2	0	03/14/2014, 12/30/2014	52	56	0.35
United Refrigeration	Wholesalers	621 Park Way		Broomall	PA	19008	1	0	07/11/2014	87	151	0.94
Binghamton Hardware & Hvac	Wholesalers	627 Main Street		Sugar Notch	PA	18706	1	0		0	0	0.00
Apr Supply Company	Wholesalers	627 York Road		Gettysburg	PA	17325	1	0	12/22/2014	70	81	0.50
Goodman Distribution, Inc.	Wholesalers	6305 Allentown Blvd		Harrisburg	PA	17112	1	0		0	0	0.00
Noland Co.	Wholesalers	640 Boundary Avenue		Hanover	PA	17331	1	0		0	0	0.00
Bahavio Plumbing Heating & Cooling	Wholesalers	640 Snyder Ave - Suite M		West Chester	PA	19382	2	0	08/08/2014	62	104	0.64
United Refrigeration	Wholesalers	641 N. Pennsylvania Avenue		Wilkes Barre	PA	18705	1	0		0	0	0.00

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Township Of Derry	HHW Facility	650 Clearwater Road		Hershey	PA	17033	1	0		0	0	0.00
Peirce-Phelps, Inc.	Wholesalers	651 Park Way		Broomall	PA	19008	1	0		0	0	0.00
Grove Supply Inc.	Wholesalers	661 2Nd Street Pike		Southampton	PA	18966	1	0		0	0	0.00
Binghamton Hardware & Hvac	Wholesalers	675 Rose Street		Williamsport	PA	17701	1	0		0	0	0.00
United Refrigeration	Wholesalers	7 Long Lane		Mechanicsburg	PA	17050	1	0	03/13/2014	22	54	0.33
Epsco	Wholesalers	700 Scott Street		Wilke-Barre	PA	18705	1	0	08/01/2014	13	13	0.08
R.E. Michel Company, Inc	Wholesalers	700 Seco Road		Monroeville	PA	15146	2	0	03/10/2014, 03/11/2014	134	153	0.95
Apr Supply Company	Wholesalers	709 Center Avenue		Ephrata	PA	17522	2	0	12/15/2014, 12/15/2014	223	299	1.85
Lyon Conklin Co Inc.	Wholesalers	7195 Grayson Road		Harrisburg	PA	17111	1	0	04/28/2014	54	80	0.50
Carrier Enterprise	Wholesalers	720 East Lacock Ave.		Pittsburgh	PA	15212	1	0		0	0	0.00
Chester County Solid Waste Authority	HHW Facility	7224 Division Highway		Narvon	PA	17555	1	0		0	0	0.00
Sid Harvey Industries	Wholesalers	725 S. 22Nd St.		Harrisburg	PA	17104	1	0	02/19/2014	127	164	1.02
Johnson Controls	Wholesalers	73 Ash Circle		Warminster	PA	18974	2	0	12/10/2014	50	78	0.48
Apr Supply Company	Wholesalers	745 N. Keyser Avenue		Scranton	PA	18510	1	0	08/19/2014	6	6	0.04
Apr Supply Company	Wholesalers	749 West Guilford St		Lebanon	PA	17046	1	0	02/03/2014	46	46	0.29
Elk Air Conditioning	Contractor	75 Billott Avenue		North Huntingdon	PA	15642	1	0		0	0	0.00
Meier Supply Co Inc	Wholesalers	757 Arnold Street		Williamsport	PA	17701	1	0	01/10/2014	19	33	0.20
United Refrigeration	Wholesalers	771 First Avenue		King Of Prussia	PA	19406	1	0	06/18/2014, 10/24/2014	86	154	0.95
Grove Supply Inc.	Wholesalers	7900 Rockwell Avenue		Philadelphia	PA	19111	1	0		0	0	0.00
Boyertown Supply Inc.	Wholesalers	7918 Boyertown Pike		Boyertown	PA	19512	1	0	06/27/2014	75	114	0.71
F.F. Kling & Sons, Inc.	Contractor	8 North Main Street		Manchester	PA	17345	1	0	11/10/2014	85	87	0.54
Peirce-Phelps, Inc.	Wholesalers	800 Corporate Center Drive	Bldg 8	Reading	PA	19605	1	0		0	0	0.00

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Apr Supply Company	Wholesalers	800 Mercer Avenue		Kingston	PA	18704	1	0		0	0	0.00
Abco Refrigeration Supply	Wholesalers	801 N. Callohill St.		Philadelphia	PA	19123	1	0	06/23/2014	54	71	0.44
Apr Supply Company	Wholesalers	81 Lancaster Avenue		Malvern	PA	19355	1	0		0	0	0.00
Us Supply	Wholesalers	810 Conchester Highway		Boothwyn	PA	19061	1	0		0	0	0.00
R.F. Fager Co.	Wholesalers	816R Mcallister St.		Hanover	PA	17331	1	0	05/07/2014	58	70	0.43
Apr Supply Company	Wholesalers	817 Mount Home Road		Sinking Spring	PA	19608	1	0	08/11/2014	16	26	0.16
Meier Supply Co Inc	Wholesalers	827 N Meadow Street		Allentown	PA	18102	1	0	04/09/2014	36	58	0.36
American Air Distributing, Inc.	Wholesalers	830 S. Bolmar Street		West Chester	PA	19382	1	0	12/15/2014	51	69	0.43
Robertson Heating Supply Co.	Wholesalers	84 Stewart Ave.		Washington	PA	15301	1	0		0	0	0.00
Delchester Oil	Contractor	841 Lincoln Avenue		West Chester	PA	19380	3	0		0	0	0.00
United Refrigeration	Wholesalers	8420 Enterprise Avenue		Philadelphia	PA	19153	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	845 Williams Lane		Reading	PA	19604	2	0	11/05/2014	53	61	0.38
Famous Supply	Wholesalers	85 Pittsburgh Street		Uniontown	PA	15401	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	85 Roosevelt Blvd		Johnstown	PA	15906	1	0	07/15/2014	23	25	0.16
Lennox Industries Inc.	Wholesalers	855 Dunks Ferry Road		Bensalem	PA	19020	3	0	01/23/2014, 10/22/2014, 10/23/2014, 11/05/2014	442	463	2.87
Hlavaty Plumb Heat Cool	Contractor	86 E. Pottsville St.		Pine Grove	PA	17963	1	0	10/06/2014	11	12	0.07
Hvac Distributors	Wholesalers	9 Bon Air Drive		Warminster	PA	18974	1	0		0	0	0.00
Standard Air & Lite	Wholesalers	901 W. 12Th Street		Erie	PA	16501	1	0		0	0	0.00
Decristo Inc.	Wholesalers	9070 Route 414		Canton	PA	17724	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	915 Easton Road		Warrington	PA	18976	2	0	04/09/2014, 07/28/2014, 10/17/2014, 12/23/2014	371	525	3.26

**TRC Annual Report on Mercury-added Thermostat Collection and Recycling in Pennsylvania
Calendar Year 2014 Activities**

Brandywine Valley Heating & A/C	Wholesalers	917 Old Fern Hill Rd., Suite 300		West Chester	PA	19380	2	0	01/20/2014	143	234	1.45
Community Action Agency Of Delaware County, Inc	HHW Facility	94 Jansen Avenue		Essington	PA	19029	2	0		0	0	0.00
Johnson Controls	Wholesalers	950 Forge Avenue	Unit 110	Audubon	PA	19403	1	0	10/06/2014	70	327	2.03
Robertson Heating Supply Co.	Wholesalers	952 Noblestown Road		Pittsburgh	PA	15205	1	0		0	0	0.00
Virginia Air Distributors	Wholesalers	960 Riverside Place		Leetsdale	PA	15056	1	0		0	0	0.00
United Refrigeration	Wholesalers	960 W. 12Th Street		Erie	PA	16501	1	0		0	0	0.00
Scott Electric	Wholesalers	Jct. 22 & 220 & Wye Switches, Po Box 660		Duncansville	PA	16635	1	0		0	0	0.00
Epsco	Wholesalers	Route 6		White Mills	PA	18473	1	0		0	0	0.00
Epsco	Wholesalers	Route 611 North		Stroudsburg	PA	18360	1	0		0	0	0.00
R.E. Michel Company, Inc	Wholesalers	Rr3 Box 144C Shaffer Road, Whse C		Dubois	PA	15801	2	0	10/24/2014	4	9	0.06
Apr Supply Company	Wholesalers	Rt. 191 Paradise Valley		Cresco	PA	18326	1	0		0	0	0.00