



Indiana Department of Environmental Management

2015 Recycling Activity Summary

Overview of 2015 data reported by municipal solid waste recyclers required to report recycling activities to meet the 50 percent recycling goal mandated by the Indiana legislature.

Office of Program Support
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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2015 Recycling Activity Summary

Background

The Indiana Department of Environmental Management (IDEM) is responsible for providing a summary of the information collected from municipal solid waste recyclers, which are mandated to report their recycling activity by the legislature. This first report fulfills that requirement by presenting an overview of state recycling reporting and data collection methods, 2015 data results, and planned reporting improvements; as the state works toward a 50 percent recycling goal.

Overview of terms and reporting requirements

The municipal solid waste (MSW) stream results from the operation of residential, municipal, commercial, or industrial establishments and community activities.

MSW consists of product packaging, grass clippings, furniture, clothing, containers, food scraps, paper, appliances, and batteries. IC 13-11-2-133 states:

“...municipal waste means any garbage, refuse, industrial lunchroom or office waste, and other similar material resulting from the operation of residential, municipal, commercial, or institutional establishments and community activities.”

According to statute, the term does not include materials such as construction and demolition debris, municipal wastewater treatment sludge, and nonhazardous industrial wastes, even though these may be disposed of in a landfill or burned in an incinerator.

The action of recycling then is the recovery of municipal waste materials (garbage, refuse, industrial lunchroom waste, office waste, or other similar material) from the waste stream for use or reuse, conversion into raw materials, or for use in the production of new products.

Indiana previously relied on waste diversion numbers to show waste reduction efforts, which estimated the amounts of municipal waste kept from entering state landfills.¹ The **waste diversion rate** was calculated by estimating the amount of waste generated based on changes in economics and population versus the amount that was actually disposed. In general, discussions regarding MSW diversion rates and recycling rates are often used interchangeably, although they are two separate measurements. Prior to this report, IDEM never calculated or reported a recycling rate, since the amount of municipal waste suitable for recycling was never required to be reported as a breakdown of particular recyclable materials, such as glass and plastics.

¹ Earlier waste diversion estimates were derived from a baseline value in 1992/93 for recycling, composting, source reduction, and reuse activities, which was annually updated by economic and population statistics for the subsequent year calculated. The formula was:

$$\left(\frac{\text{Generation} - \text{Disposal}}{\text{Generation}} \right) \times 100 = \text{Diversion Rate}$$

A report, "Issues Relating to Recycling and Solid Waste Management Programs," prepared by the Indiana Legislative Services Agency in July 2003 for the Recycling Evaluation Committee further discusses the waste diversion formula on page 56 of 304 (<http://www.in.gov/legislative/pdf/recyclingsolidwastewebdoc.pdf>.)

In 2014, House Enrolled Act 1183 (HEA 1183) established a new 50 percent recycling goal for Indiana and required the reporting of certain recycling materials, the tonnages, and information on where the recycling was shipped.

HEA 1183 revised several sections of IC 13-11, as well as adding a new Chapter 25 in IC 13-20, requiring recyclers to complete a Recycling Activity Report and submit to IDEM the amount and type of recyclables they process from Indiana's municipal waste stream. IDEM also was required to provide a uniform reporting method through the agency's website.

Per the new requirements, a recycler must report, in tons, the types of recyclable material that they ship to in-state recycler facilities, in-state manufacturers/end users, or out-of-state destinations.

IC 13-20-25 requires reporting the following types of recyclable materials:

- 1) Glass
- 2) Metal, including white goods (ferrous)
- 3) Metal (non-ferrous)
- 4) Paper and cardboard (all grades)
- 5) Plastic and plastic products
- 6) Single stream recyclable materials
- 7) Any other distinct type of recyclable material not specified in 1) through 6)

Recycling activities are required to be reported to IDEM during a calendar year (January 1 – December 31), either on an annual basis or on a quarterly basis. Reports are to be submitted for each facility owned or operated by the recycler where recycling activities are conducted. A recycler is defined as the owner or operator of a facility where recycling may occur, including a landfill, an incinerator, a material recovery facility, often known as a MRF, or a solid waste management district.

A recycler is also defined as a recyclable materials broker, who arranges the collection, transportation, delivery, recycling or reuse of recyclable materials.

Persons managing wastes not defined as municipal, such as those involved in automotive scrap metal processing, automotive salvage, or industrial wastes are not required to report, but may do so voluntarily. IDEM has included in this summary a review of all waste reported, but does not include non-MSW in calculations toward meeting the 50 percent recycling goal.

The next section discusses the collection method of the information and the data reported.

Reporting methods/data collection

By March 2015, with input from stakeholders including waste haulers and solid waste management districts, IDEM had developed and posted to the IDEM internet website, the required fillable form: *Recycling Activity Report for Recycler Facility* (see Appendix A). The information recyclers were required to report included:

- 1) Name and location of the recycler's establishment;
- 2) Principal business activity conducted;

- 3) Type of operation;
- 4) Type of materials, including: glass, metal, paper, plastic, single stream (mixed), and other;
- 5) Quantity, in tons for each type of recyclable that was transported from the reporting recycler's establishment, or in the case of a recycler who is a broker, the amount of materials transported or delivered by arrangement of the recycler; and
- 6) Where the material was transported to; this would include shipments to other in-state recycler facilities, or persons in Indiana that use the raw materials or reuse the product without further recycling, and out-of-state shipments.

This was a paper copy form that needed to be downloaded and then submitted by mail or e-mail to IDEM. As the agency moved toward creating an electronic reporting system to collect and manage data for solid waste management facilities, setting up a framework for Recycling Activity Reports became a priority.

IDEM's Offices of Land Quality and Program Support worked with Emerge Knowledge Design to implement the IDEM Solid Waste and Recycling Data Reporting Program via Re-TRAC Connect, a web-based tracking system to aggregate data and generate reports. Facility registrations were categorized by organization type for IDEM administration purposes, which included landfill, transfer station, waste-to-energy plant, composting facility, or recycler facility. Each registered facility had access for submitting recycling data.

In October 2015, IDEM went live with reporting through Re-TRAC Connect, allowing recyclers to submit information through the online portal for the 2015 calendar year. A guidance document on how to register a facility and submit recycling data was provided through IDEM's *Recycle Indiana* website (see Appendix B).

Reporting results

The 2015 Recycling Activity Reports were submitted by 115 facilities. Facility registration through Re-TRAC is categorized by type and principal business activity, as shown in TABLE 1 and TABLE 2, respectively. The report tracked shipments to destination facilities, as defined:

- a) Recycler Facility - This referred to a recycling facility such as a material recovery facility (MRF) with intermediate consolidating, sorting, shredding, or baling operations. The reporting included the location of the receiving recycler facility (name/city/state).
- b) Brokers - This referred to shipments transported through a broker to final destinations. The reporting included the principal address of the broker (name/city/state).
- c) Manufacturer/end user - This referred to a production facility of basic products that used the recyclables as a raw material without further offsite recycling. Examples include glass container mills, glass processors for furnace ready cullet, foundries, steel mini-mills, smelting and refining operations, plastic processors for flake and pellets, and pulp and paper mills. Reporting included the location of the receiving manufacturer/end user (state or foreign country).

TABLE 1: Number of Facilities Submitting Recycling Activity Reports as Registered by Organization Type

Organization Type	Number of Facilities Submitting Reports
Recycler Facility	68
Transfer Station	24
Compost Facility	16
Landfill	6
Waste-to-Energy Plant (Incinerator)	1
Total	115

TABLE 2: Number of Facilities Submitting Recycling Activity Reports by Principal Business Activity

Principal Business Activity	Number of Facilities Submitting Reports
Solid Waste Management Company	31
Solid Waste Management District / Government	78
Business	5
Not-for-Profit	1
Total	115

The shipments of recyclables (tons) by material type and destination category are listed in TABLE 3.

Note that the category of “Other” shown in TABLE 3 is included, per statute, to measure any other distinct type of recyclable material considered municipal solid waste. The largest portion of the “Other” category was made up of wood waste (approximately 60 percent). An additional category of “Non-MSW Material” is included to also allow registrants to record amounts of other recyclables not considered municipal solid waste, such as construction and demolition (C&D) debris, and non-hazardous industrial materials. Non-MSW recyclable materials are not included in recycling measurement calculations.

TABLE 3: Shipments of Recyclables by Material Type and Destination

MATERIAL TYPE	SHIPMENTS OF RECYCLABLES BY DESTINATION			
	In-State Recycler Facilities (Tons)	Broker Arranged Shipments (Tons)	In-State Manufacturers / End Users (Tons)	Out-of-State Destinations (Tons)
Glass	6,379	2,364	309	3,759
Metal, including white goods (ferrous)	15,383	2,618	152	609
Metal (non-ferrous)	5,248	1,135	21	2,323
Paper and cardboard (all grades)	30,135	52,941	30,802	109,095
Plastic	2,380	5,954	20	9,028
Single Stream/Mixed	81,187	8,992	0	75,976
Other	50,064	2,196	115,450	43,574
Total	190,776	76,200	146,754	244,364
Non-MSW Material	4,262	266	37,851	85
Grand Total	195,038	76,466	184,605	244,449

The next section specifies and analyzes only the MSW recycling data reported to determine where Indiana is in reaching a 50 percent recycling goal.

Reviewing recycling numbers

Shipments of recyclable materials to in-state recycler facilities are important to understand grass roots efforts in the collection of recyclables from curbside and drop-off sites. However, any shipments to in-state recycler facilities, for example, from a solid waste management district, are also required to be reported by the receiving recycler facility that sorts and bales the recyclables for shipment to end use markets. (For further breakdown of data by county origins, regarding the amount of MSW recyclables generated and their destination facilities see Appendix C.)

Double counting is avoided in the recycling rate measurement by only counting recyclables that are shipped to an end use market or out-of-state market as listed in TABLE 4. In 2015, the total amount of MSW recyclables reported was 467,318 tons.

TABLE 4: Shipments of Recyclables by Material Type and Destination

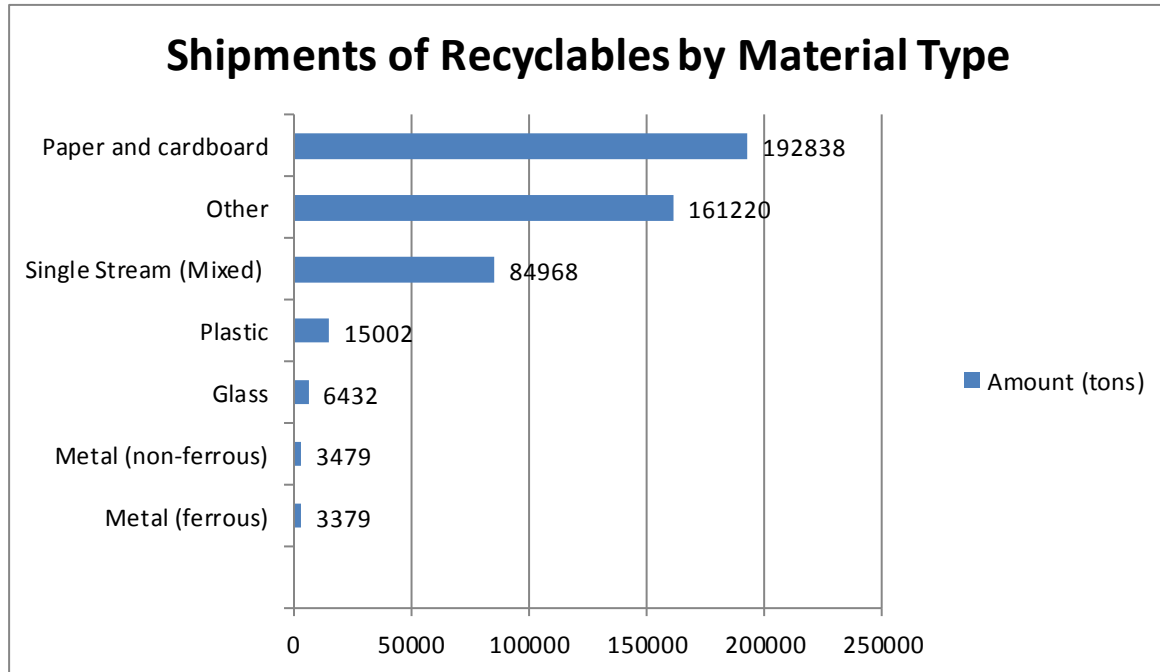
MATERIAL TYPE (MSW only)	SHIPMENTS OF RECYCLABLES BY DESTINATION			
	Broker Arranged Shipments (Tons)	In-State Manufacturers / End Users (Tons)	Out-of-State Destinations (Tons)	Total (Tons)
Glass	2,364	309	3,759	6,432
Metal, including white goods (ferrous)	2,618	152	609	3,379
Metal (non-ferrous)	1,135	21	2,323	3,479
Paper and cardboard (all grades)	52,941	30,802	109,095	192,838
Plastic and plastic products	5,954	20	9,028	15,002
Single Stream/Mixed	8,992	0	75,976	84,968
Other	2,196	115,450	43,574	161,220
Total	76,200	146,754	244,364	467,318

Specifically:

- The Broker Arranged Shipments category allowed recycler facilities to report transactions with a broker and allows staff to compare the amounts to what brokers reported. The tonnage is counted toward a recycling rate. In this first year of reporting, the category worked as a fail-safe, as no brokers reported. (Per the statute, brokers are recyclers and should submit a Recycling Activity Report.)
- Knowing the shipments of recyclables to in-state manufacturers/end users helps to discern long-term infrastructure needs. This tonnage was counted for recycling rate measurement.
- Shipments of recyclables to out-of-state destinations were compiled from recycler facilities and manufacturers/end users. This tonnage was counted for recycling rate measurement.

Shipments by material types alone are shown in Figure 1.

Figure 1: Total Shipments of Recyclables by Material Type (Tons)



Looking at the MSW recycling data, 41 percent of the tonnage consisted of paper/cardboard, 35 percent was other, including e-scrap and wood waste, and 18 percent was single stream (mixed) recyclables. The least amount of tonnage included, metal (both ferrous and non-ferrous) and glass, which accounted for approximately one percent each of the recyclable materials shipped.

A recycling rate can be calculated to determine how Indiana is meeting its recycling goal by estimating the overall MSW generated against the materials reported as recyclable.² The measurement standard established by U.S. EPA is:

$$\text{Recycling Rate (\%)} = \frac{\text{MSW recovered for recycling and composting (tons)}}{\text{MSW Generation (tons)}} \times 100$$

The recycling rate equation includes composting as part of recycling. MSW generation is the sum of tonnage amounts as reported in TABLE 5 for each of the waste management classifications. Tonnage estimates from Indiana origins are given with supporting data references.

² Standardized definitions for determining a recycling rate are described in the U.S. EPA publication, "Measuring Recycling: A Guide for State and Local Governments (<http://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=100011CF.txt>). Also, EPA's most recent report, "Advancing Sustainable Materials Management: Facts and Figures 2013," gives national statistics for MSW generation, recycling, and disposal (http://www.epa.gov/sites/production/files/2015-09/documents/2013_advncng_smm_rpt.pdf).

TABLE 5: Indiana MSW Generation and Classification

Classification	Tons	Data Reference
Disposal through Landfilling (in-state)	5,395,895	The data are aggregated from IDEM Solid Waste Land Disposal Facility reports. This is the total amount of MSW from Indiana origins received at in-state landfills for disposal. It does not include non-hazardous industrial process wastes, and construction and demolition (C&D) debris.
Disposal through Landfilling (out-of-state)	269,070	This amount was estimated from Solid Waste Processing Facility reports from transfer stations as reported for waste sent for disposal at out-of-state landfills.
Energy from Waste	443,344	The data are aggregated from Solid Waste Processing Facility reports. This is the total amount of MSW from Indiana origins received at the Indianapolis Resource Recovery facility for disposal. It does not include non-hazardous industrial process wastes, and C&D debris.
Recycling	467,318	The data are aggregated from Recycling Activity Reports. This is the total amount of recyclables from MSW as reported by shipments to (a) in-state manufactures/end users, (b) out-of-state destinations, and (c) arranged through brokers.
Composting	343,921	The data are aggregated from Registered Composting Facility Reports. This is the total estimated amount of waste received at Indiana compost facilities including yard trimmings, food waste, and other organic materials. It does not include wood waste processed into mulch.
Total	6,919,548	

The 2015 Indiana Recycling Rate then is calculated as:

$$(467,318 + 343,921) \text{ (tons)} / 6,919,548 \text{ (tons)} \times 100 = 11.7\%$$

Challenges in first year reporting

The most difficult step toward knowing the success of recycling is identifying the universe of companies and materials. With a reporting system in place, IDEM is building an infrastructure of reliable data. The next step is to build better communications with recyclers, communities, and the solid waste management industry as a whole to understand challenges in moving the state toward a 50 percent recycling goal.

The Re-TRAC Connect Recycling Activity Report form was made available to all facilities within the municipal solid waste community that already had permit numbers, applications, or certifications; but other types of recycler facilities had not been required to register with the agency before. Accordingly, this universe of recycling facilities was partly unknown, and the burden of identifying the entities and gathering data fell to the recyclers, themselves, who self-registered into the new reporting system.

The program was implemented in two phases, first, structuring reports based upon unique identifications of those facilities already reporting to IDEM and having a permit or registration number and then creating an “open” or self-registration report for the “new” recycler facilities required to report recycling shipments of recyclables, as required under HEA 1183. The data

are then available to IDEM to download in real time. These are the state forms from which the Re-TRAC Connect reports were created:

1. Recycling Activity Report for Recycler Facility
2. Solid Waste Land Disposal Facility Quarterly Report
3. Solid Waste Processing Facility Quarterly Report
4. Registered Composting Facility Report

Further review should be done to alleviate any unintended additional reporting burdens on companies. For example, when the Recycling Activity Report was first developed, a section for wood waste was included in the category "Other," to track materials further processed into mulch. But wood waste is also used for composting and that data is already collected from the Registered Composting Facility Report, which could cause some confusion for a company that only uses wood waste for compost. Would they need to fill out two reports?

Also, this is the first full year of the electronic reporting program, so no additional information in regards to recycling was available. Some facilities just started submitting reports through Re-TRAC on a quarterly basis and only had data available from the last quarter of 2015.

By the end of calendar year 2016, most recycling and solid waste management facilities should know the reporting schedule and the agency will have outreach parameters defined.

Increasing reporting toward a 50 percent recycling goal

The first year of development and implementation of an on-line reporting system always presents unique challenges and often identifies changes and clarifications that need to be made to improve the quality of data. In order to increase reporting IDEM will:

- reach out to the entities that are only required to report voluntarily, such as retail stores and distribution centers, to understand the amounts and types of wastes they are recycling or could recycle, and encourage them to report. During this reporting cycle, only one voluntary report was submitted by a company;
- follow-up with contacting in-state recyclers who did not submit reports but were identified by the Recycling Activity Reports from solid waste management districts as receiving recyclables;
- work with brokers to report their shipments from Indiana origins. Although no broker reported, this information was identified in the reports submitted by their customers; and,
- promote to businesses and communities economic development through the use of recycled materials and the value of preserving material quality.

Conclusion

Transitioning to a new reporting system can challenge companies. While a reasonable level of participation was experienced in the first year of reporting, it is expected that the number of reporters will grow during the next several years, as those that are required become aware of the reporting mandates, and others begin voluntarily reporting. This in turn will result in an increase of recycling percentage numbers.

APPENDICES

A. RECYCLING ACTIVITY REPORT FOR RECYCLER FACILITY

B. RE-TRAC CONNECT GUIDANCE DOCUMENT

C. AMOUNT OF RECYCLABLES GENERATED FROM EACH COUNTY FOR SHIPMENT



APPENDIX A

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF COMPLIANCE SUPPORT
RECYCLING MARKET DEVELOPMENT PROGRAM**
MC 64-02 IGCN N1316
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
<http://www.recycle.IN.gov>

**RECYCLING ACTIVITY REPORT
FOR RECYCLER FACILITY**

State Form 55731 (R / 5-15)

INSTRUCTIONS: The Report Form is designed to satisfy standard reporting requirements of IC 13-20-25 for Indiana recyclers including solid waste management companies and/or independent recycling collection contractors, government entities that collect recyclables, solid waste management districts (SWMDs), brokers, and entities voluntarily submitting. Please return completed form to the address above.

Section 1 – General Information

Please provide the information requested in this section for the recycler and facility. Give the name and local address for entity submitting the report. Indicate the principal business activity and type of operation conducted at the recycler's establishment. The contact information of the person filling out the form will be used for correspondence regarding the reported shipments of recyclables. Specify the reporting period. A recycler is required to report on either an annual basis (Jan 1 – Dec 31) or on a quarterly basis. The reports are due within sixty (60) days or thirty (30) days, respectively, after the selected reporting period.

Section 2 – Shipments of Recyclables to Recycler Facilities (Tons)

Report the tons of recyclables sent to each recycler facility. List the name and location of the receiving recycler facility and give the amount of recyclables by material type.

Section 3 – Shipments of Recyclables by Brokers (Tons)

Report the tons of recyclables transported through a broker. List the name and principal address of the broker and give the amount of recyclables by material type.

Section 4 – Shipments of Recyclables to Manufacturers / End Users (Tons)

Report the tons of recyclables sent to manufacturers / end users by destination. List each state or foreign country where the manufacturer or end user is located and give the amount of recyclables by material type.

Section 5 – Certification

Please print or type the name of the recycler then, sign, and date the report form. Appropriate certification must be given by signature of the recycler or a senior official with management responsibility for the recycler of the accuracy and completeness of the recycling activity report.

SECTION 1 GENERAL INFORMATION					
<i>Each recycling company/solid waste management company is required to submit a report for each facility. Solid waste management districts and brokers should submit only one report for their principal location. The reporting only applies to in-state sources of recyclables.</i>					
Name of Recycler				Website Address	
Name of Facility (if applicable)					
Principal Facility Location (or address of SWMD or broker)	Address (number and street)				
	City	State	ZIP code		
	Telephone		County		
Principal Business Activity (check only one)	<input type="checkbox"/> Solid Waste Management Company / Independent Recycling Hauling Contractor		<input type="checkbox"/> Institution (universities, not-for-profit)		
	<input type="checkbox"/> Solid Waste Management District		<input type="checkbox"/> Government		
	<input type="checkbox"/> Broker				
	<input type="checkbox"/> Business (commercial and manufacturing)				
Type of Recycling Operation (check only one that best describes recycling activity)	<input type="checkbox"/> Material Recovery Facility		<input type="checkbox"/> Metal Salvage Yard		
	<input type="checkbox"/> Transfer Station/Collection		<input type="checkbox"/> Multi (specify)		
	<input type="checkbox"/> Landfill		<input type="checkbox"/> Other (specify)		
Contact Information of Person Completing Form	Name		Company/Title		
	Address (if different than above)				
	City	State	ZIP code		
	Telephone		E-mail Address		
Reporting Period (indicate the year and select if quarterly or annual)	20____	<input type="checkbox"/> Jan-Mar	<input type="checkbox"/> Apr-Jun	<input type="checkbox"/> Jul-Sep	<input type="checkbox"/> Oct-Dec
		<input type="checkbox"/> Annual (calendar)			

SECTION 2 SHIPMENTS OF RECYCLABLES TO RECYCLER FACILITIES (TONS)

Report the tons of recyclables sent to each recycler facility. List the name and location of the receiving recycler facility and give the amount of recyclables by material type. A **recycler facility** conducts intermediate consolidating, sorting, shredding, or baling operations. Examples include material recovery facilities, transfer stations, and drop-off centers. In-state shipments will also be reported by the receiving recycler facility.

Recycler Facility (name)	Location of Facility (city/state or foreign country)	Glass (tons)	Metal Ferrous (tons)	Metal Non-Ferrous (tons)	Paper (tons)	Plastic (tons)	Single stream /mixed (tons)	Other material* (specify type and tons)	Total (tons)

* Other materials may include textiles, ground shingles, synthetic gypsum, and industrial by-products. Specify the type of material and tons in grid box.

SECTION 3 SHIPMENTS OF RECYCLABLES BY BROKERS (TONS)

Report the tons of recyclables transported through a broker. List the name and principal address of the broker and give the amount of recyclables by material type. A **broker** arranges the shipments of recyclables to final destinations.

Broker (name)	Principal Address (city/state or foreign country)	Glass (tons)	Metal Ferrous (tons)	Metal Non-Ferrous (tons)	Paper (tons)	Plastic (tons)	Single stream /mixed (tons)	Other material* (specify type and tons)	Total (tons)

* Other materials may include textiles, ground shingles, synthetic gypsum, and industrial by-products. Specify the type of material and tons in grid box.

SECTION 4 SHIPMENTS OF RECYCLABLES TO MANUFACTURERS / END USERS (TONS)

Report the tons of recyclables sent to manufacturers / end users by destination. List each state or foreign country and give the amount of recyclables by material type. A **manufacturer / end user** is a production facility of basic products that uses the recyclables as a raw material without further offsite recycling. Examples include glass container mills, glass processors for furnace-ready cullet, foundries, steel mini-mills, smelting and refining operations, plastic processors for flake and pellets, and pulp and paper mills.

Destination by STATE or FOREIGN COUNTRY	Glass (tons)	Metal Ferrous (tons)	Metal Non-Ferrous (tons)	Paper (tons)	Plastic (tons)	Single stream /mixed (tons)	Other material* (specify type and tons)	Total (tons)

* Other materials may include textiles, ground shingles, synthetic gypsum, and industrial by-products. Specify the type of material and tons in grid box.

SECTION 5 CERTIFICATION

This is to certify that I have personally examined and am familiar with the information in this and attached documents. I am aware of the Indiana Department of Environmental Management's requirements for this report. To the best of my knowledge, the submitted information is true, accurate, and complete.


Signature

Date (*mm/dd/yyyy*)

Printed Name

APPENDIX B

Reporting

The next window will take you to the actual report where you will enter shipment information: what was shipped to recycler facilities, shipped through a broker, and/or shipped to manufacturers (end users.) To do this, you must click the **Plus Sign**  button to add fillable rows for each section. Note: Amounts must be entered in tons and in whole numbers. Also, if you are using a laptop or small screen monitor, you can improve viewing of column headings by reducing the screen view to 80% (CTRL + "-" or **View** menu → **Zoom** on most browsers).

Many facilities have been prepopulated in the dropdown menu. To view, click **Select**.

If a facility is not here, specify Other and then type in the information as prompted by the Please Specify box.

SHIPMENTS OF RECYCLABLES TO RECYCLER FACILITIES (TONS)


Report the tons of recyclables sent to each recycler facility. List the name and location of the receiving recycler facility and give the amount of recyclables by material type. A recycler facility conducts intermediate consolidating, sorting, shredding, or baling operations. Examples include material recovery facilities, transfer stations, and drop-off centers. In-state shipments will also be reported by the receiving recycler facility.

FACILITY NAME *	STATE / COUNTRY *	CITY *	GLASS (MSW)	PAPER (MSW)	PLASTIC (MSW)	SINGLE STREAM / MIXED (MSW)	METAL FERROUS (MSW)	METAL NON-FERROUS (MSW)	OTHER MATERIAL	OTHER MATERIAL AMOUNT	METAL FERROUS (NON-MSW)	METAL NON-FERROUS (NON-MSW)	
Other (s) <input type="button" value="Go Recycle"/>	<input type="button" value="PLEASE SPECIFY"/>	<input type="button" value="- Select"/>							<input type="button" value="- Select"/>				<input type="button" value="Remove"/>
<input type="button" value="Add"/>													

Note: If you are reporting Shipments of Recyclables to Recycler Facilities, click the 'Add' button above to add your first row to the table.

Total Tons of Material Sent to Recycler Facilities:

Continue to each column, filling in the state or country where the shipments of recyclables were sent. Complete each column with the amounts of glass, paper, plastic and metal as indicated. There is a drop-down menu for the Other Material types which can be reported. Note: Remember, amounts are to be given in tons and in whole numbers.



Program Details

Member Information:

Status

Recycling Activity Report (Annual)

Host:

Indiana Department of Environmental Management

Website:

<http://www.in.gov/dem/recycle/>

Program Manager

Greg Overtom
govertoo@dem.in.gov
317-234-0058

SHIPMENTS OF RECYCLABLES TO RECYCLER FACILITIES (TONS)

Report the tons of recyclables sent to each recycler facility. List the name and location of the receiving recycler facility and give the amount of recyclables by material type. A recycler facility conducts intermediate consolidating, sorting, shredding, or baling operations. Examples include material recovery facilities, transfer stations, and drop-off centers. In-state shipments will also be reported by the receiving recycler facility.

FACILITY NAME *	STATE / COUNTRY *	CITY *	GLASS (MSW)	PAPER (MSW)	PLASTIC (MSW)	SINGLE STREAM / MIXED (MSW)	METAL FERROUS (MSW)	METAL NON-FERROUS (MSW)	OTHER MATERIAL	OTHER MATERIAL AMOUNT	METAL FERROUS (NON-MSW)	METAL NON-FERROUS (NON-MSW)	
Other (s) <input type="button" value="Go Recycle"/>	<input type="button" value="PLEASE SPECIFY"/>	<input type="button" value="Indiana"/>	<input type="button" value="Indianapolis"/>	<input type="button" value="1,000"/>	<input type="button" value="2,000"/>	<input type="button" value="50"/>	<input type="button" value="185"/>		<input type="button" value="- Select"/>				<input type="button" value="Remove"/>
<input type="button" value="Add"/>													

Note: If you are reporting Shipments of Recyclables to Recycler Facilities, click the 'Add' button above to add your first row to the table.

Total Tons of Material Sent to Recycler Facilities:

Don't forget, if you choose Other Material, you also must include the amount for that other material in the next column.

FACILITY NAME *	STATE / COUNTRY *	CITY *	GLASS (MSW)	PAPER (MSW)	PLASTIC (MSW)	SINGLE STREAM / MIXED (MSW)	METAL FERROUS (MSW)	METAL NON-FERROUS (MSW)	OTHER MATERIAL	OTHER MATERIAL AMOUNT	METAL FERROUS (NON-MSW)	METAL NON-FERROUS (NON-MSW)	
Other (s) <input type="button" value="Go Recycle"/>	<input type="button" value="PLEASE SPECIFY"/>	<input type="button" value="Indiana"/>	<input type="button" value="Indianapolis"/>	<input type="button" value="1,000"/>	<input type="button" value="2,000"/>	<input type="button" value="50"/>	<input type="button" value="185"/>		<input type="button" value="Textiles"/>	<input type="button" value="120"/>			<input type="button" value="Remove"/>
<input type="button" value="Add"/>													

Fill in the Brokers table the same way. Here, you are reporting the tons of recyclables you are transporting through a broker.

SHIPMENTS OF RECYCLABLES BY BROKERS (TONS)

Report the tons of recyclables transported through a broker. List the name and principal address of the broker and give the amount of recyclables by material type. A broker arranges the shipments of recyclables to final destinations.

BROKER NAME *	STATE / COUNTRY *	CITY *	GLASS (MSW)	PAPER (MSW)	PLASTIC (MSW)	SINGLE STREAM / MIXED (MSW)	METAL FERROUS (MSW)	METAL NON-FERROUS (MSW)	OTHER MATERIAL	OTHER MATERIAL AMOUNT	METAL FERROUS (NON-MSW)	METAL NON-FERROUS (NON-MSW)	
<input type="button" value="EarthW"/>	<input type="button" value="Indiana"/>	<input type="button" value="Valparaiso"/>	<input type="button" value="20"/>	<input type="button" value="30"/>	<input type="button" value="100"/>			<input type="button" value="20"/>	<input type="button" value="- Select"/>				<input type="button" value="Remove"/>
<input type="button" value="Add"/>													


Fill in the Manufacturers/End Users table the same way. Here you are reporting the tons of recyclables sent to an end user by state or county destination. Remember, the amounts are to be given in tons and in whole numbers. When you are finished with entering the information in each table, note that the total tons for that section also are provided.

SHIPMENTS OF RECYCLABLES TO MANUFACTURERS / END USERS (TONS)

Report the tons of recyclables sent to manufacturers / end users by destination. List each state or foreign country and give the amount of recyclables by material type. A manufacturer / end user is a production facility of basic products that uses the recyclables as a raw material without further offsite recycling. Examples include glass container mills, glass processors for furnace-ready cullet, foundries, steel mini-mills, smelting and refining operations, plastic processors for flake or pellets, and pulp and paper mills.

DESTINATION (STATE / COUNTRY) *	GLASS (MSW)	PAPER (MSW)	PLASTIC (MSW)	SINGLE STREAM / MIXED (MSW)	METAL FERROUS (MSW)	METAL NON-FERROUS (MSW)	OTHER MATERIAL	OTHER MATERIAL AMOUNT	METAL FERROUS (NON-MSW)	METAL NON-FERROUS (NON-MSW)	
Indiana <input type="text" value="v"/>	100	20					- Select - <input type="text" value="v"/>			35	<input type="text" value="x"/> Remove

Note: If you are reporting Shipments of Recyclables to Manufacturers/End Users, click the 'Add' button above to add your first row to the table.

Total Tons of Material Sent to Manufacturers/End Users: 

Now that you have reported your information, the next step is certifying this report. The system will automatically point out any required fields not yet completed before you may submit the final information.

CERTIFICATION

Submittal Reason: *

Mandatory Voluntary

This is to certify that I have personally examined and am familiar with the information in this Recycling Activity Report. I am aware of the Indiana Department of Environmental Management's requirements for this report. *

To the best of my knowledge, the submitted information is true, accurate, and complete.

Required Field

First and Last Name of Person Completing Report: * Required Field

Note that many companies, such as metal salvage yards, retailers, and government entities (cities, towns, and counties) are not required to report, but are highly encouraged. Please select if you are required or are voluntarily submitting your report by clicking the appropriate Submittal Reason (see http://www.in.gov/idem/files/factsheet_recycling_reporting.pdf for information on who is required to report).

Next, verify the information to be true, and accurate, and “sign” by typing in your first and last name.


CERTIFICATION



Submittal Reason: *

Mandatory Voluntary

This is to certify that I have personally examined and am familiar with the information in this Recycling Activity Report. I am aware of the Indiana Department of Environmental Management's requirements for this report. *

To the best of my knowledge, the submitted information is true, accurate, and complete.

First and Last Name of Person Completing Report: * 

APPENDIX C

AMOUNT OF RECYCLABLES GENERATED FROM EACH COUNTY FOR SHIPMENT				
County Location of Reporting Facilities	Shipments to In-State Recycler Facilities (tons)	Shipments through a Broker (tons)	Shipments to In-State Manufacturers/End Users (tons)	Shipments to Out-of-State Destinations (tons)
Adams	687		145	53
Allen	15,754	2,644	15,824	11,445
Bartholomew	1,548		18,806	844
Benton	10			259
Blackford				
Boone	79		13,002	
Brown	466		43	34
Carroll	235			
Cass	481			
Clark		3,500		
Clay	1,217	1,217		
Clinton				
Crawford	4			249
Daviess		35		
De Kalb				
Dearborn		1,592		
Decatur	2,997	1,972		
Delaware	1,159	1,474	7,331	1,820
Dubois	281			
Elkhart			3,149	
Fayette				
Floyd				777
Fountain				
Franklin				
Fulton		465	631	
Gibson	664	210		3
Grant				
Greene				
Hamilton	998		22,377	
Hancock		150		

Harrison				
Hendricks	15,761	7,393	11,109	73,543
Henry	36			
Howard	34,100			178
Huntington	1,090			
Jackson	1,113			
Jasper	61		116	572
Jay	408			
Jefferson	419	868		766
Jennings				
Johnson	2,010			
Knox	1,072			20
Kosciusko	2,245			13
La Porte	431		1,851	8,327
Lagrange				
Lake	8,658			91,850
Lawrence	148	478	112	74
Madison	4,540	7,789		37
Marion	13,844		31,642	31,197
Marshall	346			
Martin		2,371		55
Miami	1,358			
Monroe	6,170	6,685		
Montgomery	7,131			264
Morgan	824			
Newton	323			
Noble				
Ohio				
Orange	16			
Owen				
Parke				
Perry	79	571		12
Pike	324			
Porter	776	3,046	12,020	19,263
Posey	100	780		45
Pulaski	678		155	227

Putnam	1,683			
Randolph	1,102			
Ripley				
Rush	419	11		
Scott				
Shelby	1,130			
Spencer	162	642		269
St. Joseph	28,250	7,108	1,815	642
Starke	1,361			11
Steuben	3,693			
Sullivan				
Switzerland				
Tippecanoe	5,112			
Tipton				
Union				
Vanderburgh	6,125	24,812	6,409	1,100
Vermillion				
Vigo	3,380			
Wabash	1,414			
Warren		387		
Warrick	301			
Washington	293			
Wayne	183			
Wells	391			
White	1,098		217	415
Whitley	4,038			
Total	190,776	76,200	146,754	244,364

Note: The data are aggregated from Re-TRAC 2015 Recycling Activity Reports for recyclables from municipal solid waste (MSW). The data are aggregated by county location of each reporting facility. The amounts of recyclables are blank if the county had no reporting facilities or submitted no data.