

Northeast Region

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## CT Chapter, NWRA Packaging Task Force

### Exhibit #1

Figures 3-2 & 3-3

p. 3.2

## Statewide Waste Characterization Results

[http://www.ct.gov/deep/lib/deep/waste management and disposal/Solid Waste Management Plan/CMMS Final 2015 MSW Characterization Study.pdf](http://www.ct.gov/deep/lib/deep/waste%20management%20and%20disposal/Solid%20Waste%20Management%20Plan/CMMS%20Final%202015%20MSW%20Characterization%20Study.pdf)

September 2017

### 3. STATEWIDE WASTE CHARACTERIZATION RESULTS

Figure 3-2 Comparison of 2010 and 2015 MSW Composition

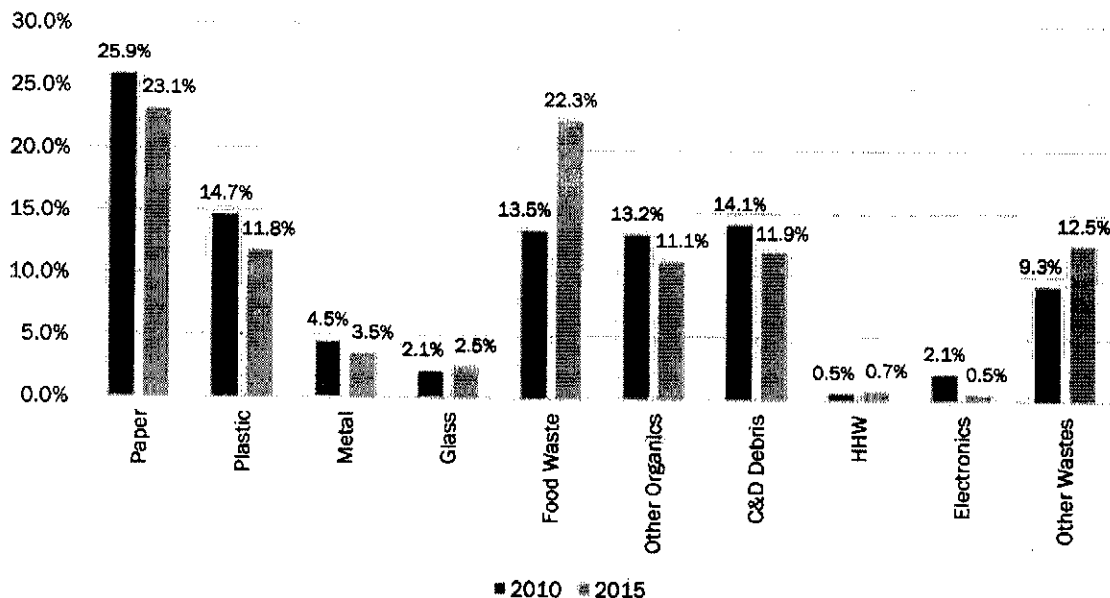
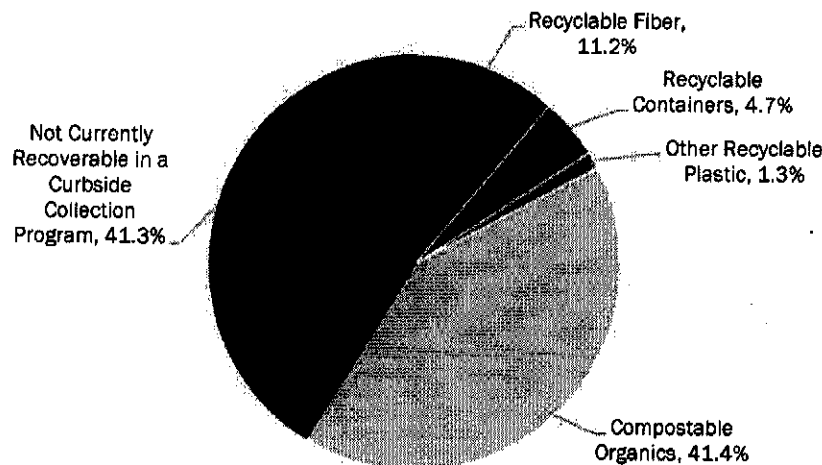


Figure 3-3 shows the breakdown of recoverable materials within the disposed MSW stream. This figure categorizes materials as they would be separated in a residential curbside program with separate recycling, organics, and trash collection.<sup>1</sup>

Figure 3-3 Recoverability of Disposed Wastes in Existing Curbside/On-site Collection Programs



The above figure highlights a number of important findings:

<sup>1</sup> In practice, there are many materials included in the red pie piece in Figure 3-3 that are readily recyclable or recoverable in an organics program. This figure intends only to show the limitations of recycling and organics diversion through curbside collection.



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### Exhibit #2

Figures 3-7 & 3-8

Page 3-10

## Solid Waste Characterization Results

[http://www.ct.gov/deep/lib/deep/waste\\_management\\_and\\_disposal/Solid Waste Management Plan/  
CMMS Final 2015 MSW Characterization Study.pdf](http://www.ct.gov/deep/lib/deep/waste_management_and_disposal/Solid_Waste_Management_Plan/CMMS_Final_2015_MSW_Characterization_Study.pdf)

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### 3. STATEWIDE WASTE CHARACTERIZATION RESULTS

Figure 3-7 below shows the mean percentage of recoverable materials in the residential waste stream. The "Not Currently Recoverable" portion includes materials that are potentially recoverable, but are not targeted in residential single stream recycling programs. Readers are encouraged to review the discussion surrounding Figure 3-3 for additional consideration about how to interpret the data in Figure 3-7.

**Figure 3-7 Recoverability of Residential Wastes In Existing Curbside Programs**

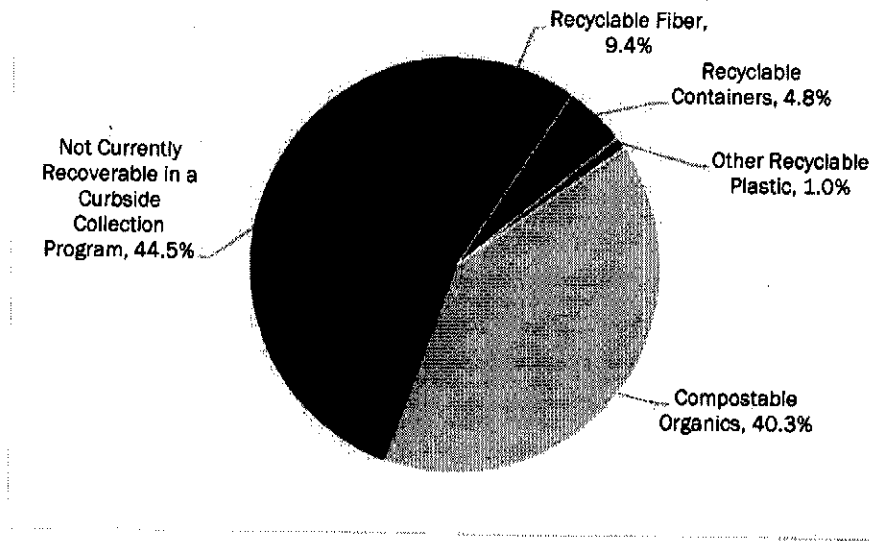
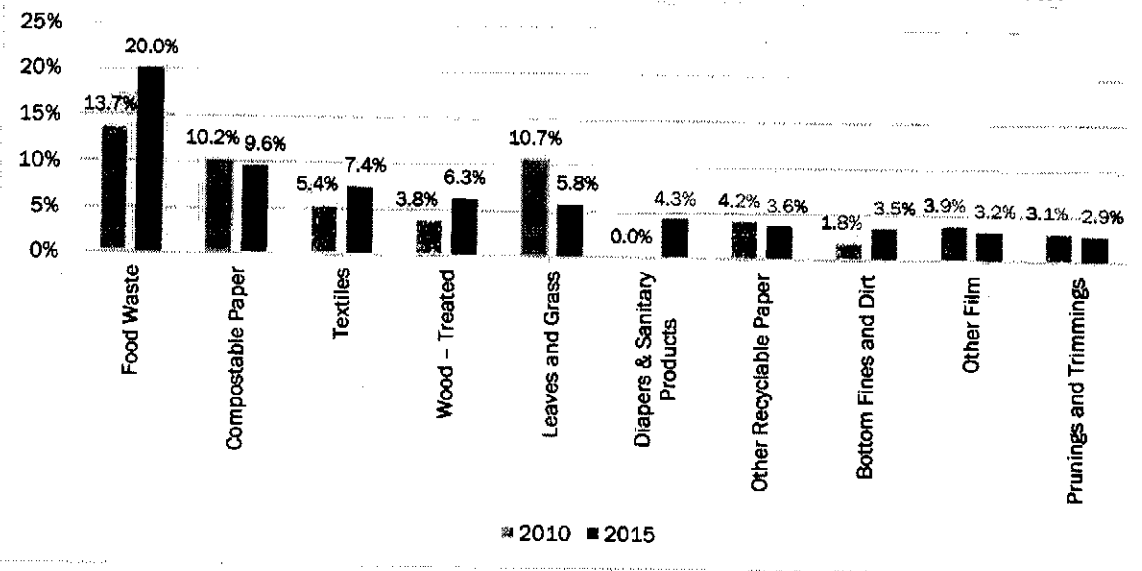


Figure 3-8 compares the top ten most prevalent materials in the 2015 and 2010 Studies. This figure highlights the significant increase in the contribution of food waste. This figure also shows a significant reduction in Leaves and Grass; it must be noted that some of this difference may be attributable to the different seasons in which sorting was performed in each Study, and whether heavy generation of grass clippings (spring) and leaves (fall) were or were not captured during the sampling periods.

**Figure 3-8 Comparison of 2015 and 2010 Top 10 Materials - Residential Sector**





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## CT Chapter, NWRA Packaging Task Force

### Exhibit #3

Figures 3-11 & 3-12

p. 3-16

## Statewide Waste Characterization Results

[http://www.ct.gov/deep/lib/deep/waste management and disposal/Solid Waste Management Plan/CMMS Final 2015 MSW Characterization Study.pdf](http://www.ct.gov/deep/lib/deep/waste%20management%20and%20disposal/Solid%20Waste%20Management%20Plan/CMMS%20Final%202015%20MSW%20Characterization%20Study.pdf)

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### 3. STATEWIDE WASTE CHARACTERIZATION RESULTS

Figure 3-11 below shows the mean percentage of recoverable materials in the ICI waste stream. The "Not Currently Recoverable" portion includes materials that are potentially recoverable, but are not targeted in a typical single stream recycling programs. Readers are encouraged to review the discussion surrounding Figure 3-3 for additional consideration about how to interpret the data in Figure 3-11.

**Figure 3-11 Recoverability of ICI Wastes in Existing Single Stream Programs**

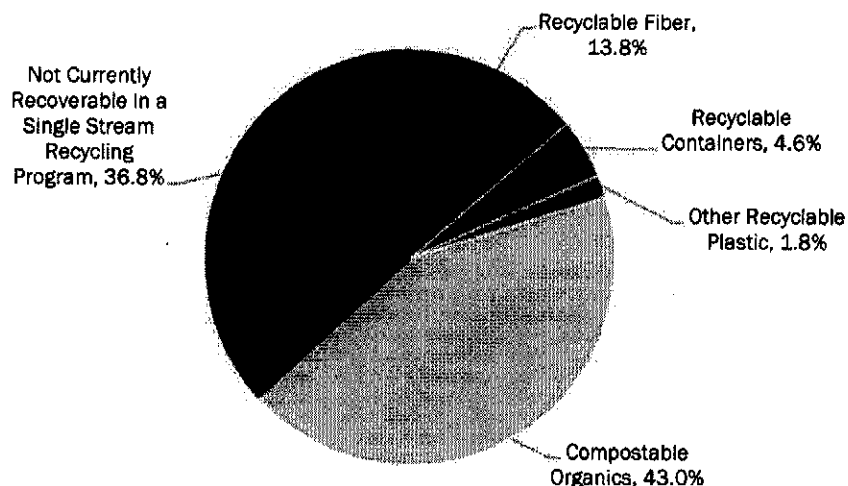
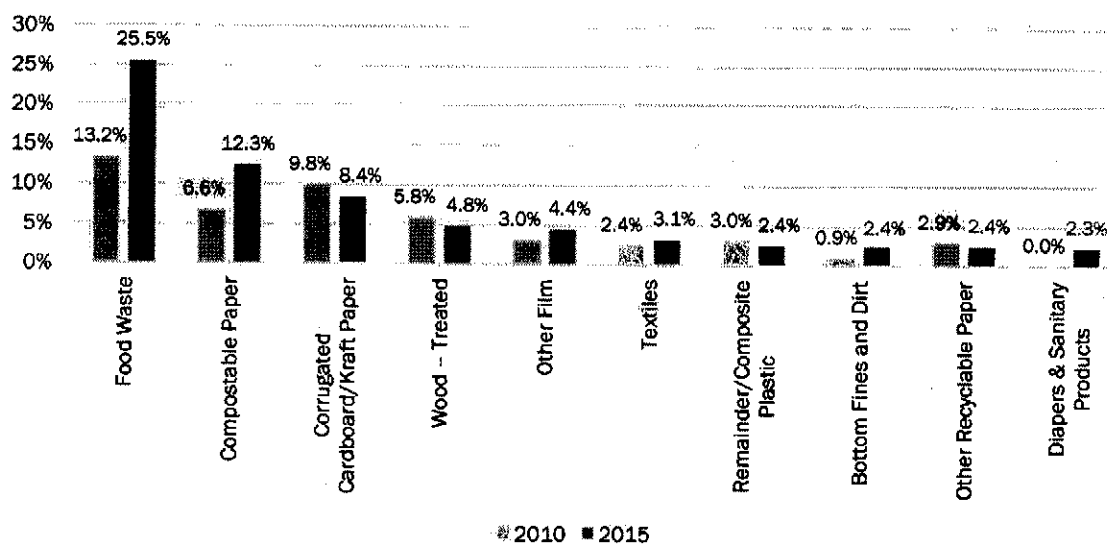


Figure 3-12 compares the top ten most prevalent ICI materials in the 2015 and 2010 Studies. This figure highlights the significant increase in the contribution of both food waste and compostable paper. The most common materials remained fairly consistent between the two studies.

**Figure 3-12 Comparison of 2015 and 2010 Top 10 Materials - ICI Sector**





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## CT Chapter, NWRA Packaging Task Force


### Exhibit #4

### Recycling Laws and Regulations

### CT DEEP Website

[http://www.ct.gov/deep/cwp/view.asp?a=2714&q=324894&deepNav\\_GID=1645](http://www.ct.gov/deep/cwp/view.asp?a=2714&q=324894&deepNav_GID=1645)  
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## Recycling Laws and Regulations



The State of Connecticut has had mandatory recycling for a number of items in effect since January 1, 1991. Listed below is the full text of some of the regulations relating to recycling as well as an annotated listing of all recycling statutes. This on-line listing is provided for the convenience of the on-line visitor but may not contain an up-to-date listing or all related statutes. Please visit the [Connecticut General Assembly](#) website for the complete listing of the [environmental protection general statutes](#) and related documents. Use [these tables](#) to find the statute section numbers assigned to new sections of Public Acts. This [2014 Supplement](#) to the General Statutes of Connecticut is limited to the codified Public Acts enacted by the General Assembly in 2013, and in effect on January 1, 2014.

Recycling Laws (annotated listing)	Electronic Waste (E-Waste) Law
<a href="#">Mandatory Recycling Regulation</a>	<a href="#">Connecticut Bottle Bill</a>
<a href="#">Recycling...It's the Law!</a>	<a href="#">Leaf Composting Regulation, Law, and Grass Clipping Disposal Ban</a>
<a href="#">Public Act 86-1</a> (Authorized state funding for recycling infrastructure)	<a href="#">Public Act 87-544</a> (Mandated statewide recycling and authorized recycling regulations)
<a href="#">Public Act 10-87</a> (Expansion & Clarification of CT Recycling Requirements)	<a href="#">Commercial Organics Recycling Law</a> Recycling of Source Separated Organics (CGS Sec. 22a-226e)
<a href="#">Public Act 11-24</a> (Paint Stewardship Law)	<a href="#">Public Act 13-42</a> (Mattress Stewardship Law)
<a href="#">Public Act 13-285</a> (An Act Concerning Recycling & Jobs)	<a href="#">Public Act 14-94</a> (An Act Concerning CT's Recycling & Materials Management Strategy...)

Content Last Updated March 16, 2017

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## Annotated List of CT General Statutes Concerning Recycling Requirements

The following tables present an annotated list of the current Connecticut General Statutes (laws) pertaining to recycling. You are encouraged to read the complete text of the laws by following the links to the CT General Assembly website provided therein. An effort was made to organize the information by relevant sector (e.g. waste haulers, solid waste facilities, municipalities and waste generators). Also please note the revised definition of "designated recyclable item" below.

### Haulers Solid Waste Facilities Municipalities Generators

#### Definition of Designated Recyclable Item

**Sec. 22a-207(27) Designated Recyclable Item** means an item required to be recycled pursuant to Connecticut mandatory recycling regulation or designated for recycling pursuant to CT General Statutes Sec. 22a-256 or Sec. 22a-208y.

**Note:** Current designated recyclable items include: 1) glass and metal food containers; 2) residential and non-residential high grade white office paper; 3) old newspaper; 4) scrap metal; 5) old corrugated cardboard; 6) waste oil; 7) motor vehicle storage batteries (e.g. lead acid storage batteries); 8) Ni-Cd rechargeable batteries; 9) leaves; 10) grass clippings; 11) HDPE and PETE plastic containers; 12) boxboard; 13) magazines; and 14) colored ledger paper.

#### Haulers

**Sec. 8-2 (a)** - No municipal building zoning regulations shall prohibit the use of receptacles for the storage of designated recyclable items or require such receptacles comply with provisions for bulk or lot area (with some specific exceptions). No such regulations shall unreasonably restrict access to or size of such receptacles for designated recyclable items for businesses.

**Sec. 22a-208c** - No person shall receive, dispose of, or process solid waste or transport solid waste for disposal or processing at any solid waste facility, volume reduction plant, solid waste disposal area, recycling facility or recycling center, etc. unless such facility complies with provisions of 22a-208a (permit requirements).

**Sec. 22a-208y** - Grass clippings prohibited from disposal at solid waste facilities after October 1998.

**Sec. 22a-220a (d)(1)** - Any collector hauling solid waste, including recyclables, generated within a municipality shall register annually in that municipality and disclose specific information to the municipality.

**Sec. 22a-220a (d)(2)** - On or before July 31, 2011 and annually thereafter collectors shall report information to municipalities for the previous fiscal year, on a form provided by DEEP. Such report shall include information regarding solid waste (including recyclables) hauled from within the borders of the municipality including the type of waste, first destination; amount delivered directly to an out-of-state destination or end-user; etc.

**Sec. 22a-220a (e)** - The door of any private vehicle used to haul solid waste shall be clearly marked with the business name and address of the hauler.

**Sec. 22-220a (f)** - A collector shall be liable for a civil penalty of not more than \$2,500 for each violation and not more than \$10,000 for a subsequent violation if the collector:

- Dumps more than one cubic foot of solid waste at one time in an area not designated for such disposal by a municipality; or
- Knowingly mixes other solid waste with items designated for recycling pursuant to 22a-241b, or pursuant to municipal ordinance

**Sec. 22a-220a (i)** - On or before July 31, 2011 and annually thereafter collectors hauling CT solid waste (including recyclables) from an entity other than a CT permitted SW facility and delivering such waste to a destination other than a CT permitted SW facility shall submit a report to the DEEP on a form prescribed by the DEEP.

**Sec. 22a-220a (k)** - Collectors hauling MSW (including recyclables) generated in CT and delivering that MSW (including recyclables) to a CT permitted solid waste facility, shall identify upon delivery the origin of the waste or recyclables as either the sending regional solid waste facility or the originating



municipality as applicable.

**Sec. 22a-220c (a)** - Each municipality shall notify haulers of recycling requirements. After such notice, collectors are required to notify the municipal recycling contact about any customer believed to be discarding designated recyclables with solid waste.

Upon request of the municipality, a hauler shall provide a warning notice to customers suspected of violating separation requirements.

Haulers shall also assist the municipality in identifying persons responsible for creating solid waste loads containing significant amounts of recyclables which were detected by the receiving resource recovery or solid waste facility.

**Sec. 22a-220c (b)** - The owner or operator of a resource recovery facility or solid waste facility receiving a load of solid waste containing a significant quantity of designated recyclables, shall notify the driver of the vehicle delivering the load and the municipality where the load originated. Such facility owners and operators shall conduct periodic, unannounced inspections of loads delivered to the facility and shall conduct additional inspections upon the request of the DEEP commissioner.

**Sec. 22a-241b (c)** - Each person who generates solid waste from a residential property shall, in accordance with subsection (f) of section 22a-220, separate designated recyclable items from other solid waste.

**Sec. 22a-241b (d)** - Every person who generates solid waste from a property other than a residential property shall make provision for and cause the separation of designated recyclable items from other solid waste through the use of separate collection containers for designated recyclable items i.e. other solid waste and designated recyclable items cannot be mixed together in the same collection containers.

**Sec. 22a-241b (e)** - No person shall knowingly combine previously segregated designated recyclable items with other solid waste.

**Sec. 22a-241i (b)(1)** - On or before July 1, 2011 each collector who offers curbside or backyard collection of residential solid waste shall offer curbside or backyard collection of designated recyclable items commonly collected curbside in CT to each of such customer. The charge for collection of designated recyclables shall be included in the collector's charge for solid waste collection.

**Sec. 22a-241i (a)(2)** - Collectors providing services to municipalities which achieve an MSW recycling rate averaged over a three year continuous period, that exceeds the state-wide MSW recycling rate averaged for that three year period are exempt from the above requirement.

**Sec. 22a-241k (2)(b)** - Common gathering venues which provide for trash collection and where designated recyclables may be generated must also provide recycling receptacles for designated recyclables.

**Sec. 22a-241i (b)** - (effective July 1, 2012) Each contract between a business and a collector for the collection of solid waste shall make provision for collection of designated recyclable items - either by the same collector or by a different collector as identified by the customer. In addition, each collector shall provide customers with clear instructions on how to separate designated recyclable items.

**Sec. 22a-256c (d)** - No person shall dispose of used mercuric oxide batteries except by delivery to a retailer, wholesaler, manufacturer, or recycling center.

**Sec. 22a-256g (a)** - No person may place a used lead acid storage battery in mixed MSW or discard or otherwise dispose of such used lead acid storage battery, except by delivery to a retailer or wholesaler, or a recycling facility, or a secondary lead smelter permitted by the US EPA, or a scrap metal processor, or a municipally established collection site.

**Sec. 22a-256g (b)** - No retailer shall dispose of a used lead acid storage battery except by delivery to battery manufacturer for delivery to a secondary lead smelter permitted by US EPA, or a recycling facility, or a secondary lead smelter permitted by US EPA, or a scrap metal processor.

**Sec. 22a-256g (c)** - Any person violating subsection (a) or (b) shall be fined not more than one thousand dollars. Each battery disposed in violation of this section shall constitute a separate violation.

**Sec. 22a-629 through Sec. 22a-640 - Electronics Recycling Law**

**Sec. 22a-636** - Prohibits covered electronic devices and any of their components from being disposed.

### **Solid Waste Facilities**

**PA 10-87 Section 8** - Not later than June 1, 2011, DEEP shall report, to the General Assembly Environment Committee, the costs and benefits of different methods of removing food waste from the waste stream and identify state incentives and guidance to develop requisite composting facilities to accomplish this.

**PA 10-87 Section 9** - DEEP in consultation with the CT Academy of Science and Engineering shall study the potential beneficial use of ash residue and not later than January 1, 2011 DEEP shall submit a report on the results of that study to the General Assembly Environment Committee.

**Sec. 22a-208c** - No person shall receive, dispose of, or process solid waste or transport solid waste for disposal or processing at any solid waste facility, volume reduction plant, solid waste disposal area, recycling facility or recycling center, etc. unless such facility complies with provisions of 22a-208a (permit requirements).

**Sec. 22a-208e (c)** - The owner or operator of any recycling facility which receives for processing or sale

the following items generated within the boundaries of a Connecticut municipality: 1) cardboard, 2) glass, food and beverage containers, 3) leaves, 4) metal food and beverage containers, 5) newspapers, 6) storage batteries, 7) waste oil, 8) plastic food and beverage containers, 9) office paper - shall report to DEEP quarterly on a form prescribed by the Commissioner and shall report to each municipality from which material is received. If a municipality or hauler delivers those items out-of-state, the municipality shall notify the commissioner and shall ensure, by contract, that reporting requirements are met by the out-of-state facility.

**Sec. 22a-208f** - Scrap metal processors who report to DEEP on the amount of scrap metal received or purchased from municipalities or political subdivisions, are not required to obtain a permit.

**Sec. 22a-208i** (a) Any facility that handles only leaves is exempt from permit requirements; (b) the Commissioner may exempt other recycling facilities as well; (c) such exempt facilities still must meet operational requirements and other applicable regulations adopted under 22a-209.

**Sec. 22a-208v** - Grass clippings prohibited from disposal at solid waste facilities after October 1998.

**Sec. 22a-209e** - Lamp recycling facilities shall be considered a volume reduction plant and not subject to **Sec. 22a-254** (hazardous waste permit) as long as it is operated in compliance with federal law.

**Sec. 22a-220 (a)** - Each municipality shall make provisions for the disposal of solid waste generated within its borders, including its share of the residue remaining after a recycling facility has processed its recyclables.

**Sec. 22a-220 (b)** - Each recycling facility shall maintain records on the amount of solid waste derived from each municipality and the amount of residue apportioned to each municipality.

**Sec. 22a-220 (c)** - Any municipality whose solid waste is processed at a recycling facility, or any solid waste facility which accepts residue from a recycling facility, may at any reasonable time, inspect the recycling facility and any records relating to amount of SW received and the amount of residue apportioned to each municipality.

**Sec. 22a-220 (d)** - If any municipality, regional authority, or regional solid waste facility fails to receive proper residue allocation from a recycling facility, it may bring civil action for relief.

**Sec. 22a-220a (k)** - If a collector hauls MSW (including recyclables) generated in CT and delivers such waste or recyclables to a CT permitted solid waste facility, the collector shall identify upon delivery to the receiving facility, the origin of the MSW or recyclables as either the originating regional solid waste facility or originating municipality as applicable.

**Sec. 22a-220c (b)** - The owner or operator of a resource recovery facility or solid waste facility receiving a load of solid waste containing a significant quantity of designated recyclables, shall notify the driver of the vehicle delivering the load and the municipality where the load originated. Such facility owners and operators shall conduct periodic, unannounced inspections of loads delivered to the facility and shall conduct additional inspections upon the request of the DEEP commissioner.

**Sec. 22a-220d** - Failure of an owner or operator of a resource recovery facility or solid waste landfill to notify a municipality about loads originating in the municipality and containing significant amounts of recyclables shall be subject to a warning by the municipality or the DEEP Commissioner for the first violation and to a civil penalty of \$500 for each subsequent violation.

Failure of an owner or operator of a resource recovery facility or solid waste facility to conduct an inspection requested by the DEEP Commissioner shall be subject to a civil penalty of \$1,000 dollars for each violation and \$5,000 for each subsequent violation.

Any municipality which fails to receive notification as required, or the Attorney General at the request of the DEEP Commissioner, may bring an action under this section.

**Sec. 22a-241b (e)** - No person shall knowingly combine previously segregated designated recyclable items with other solid waste.

**Sec. 22a-256c (d)** - No person shall dispose of used mercuric oxide batteries except by delivery to a retailer, wholesaler, manufacturer, or recycling center.

**Sec. 22a-256a (a)** - No person may place a used lead acid storage battery in mixed MSW or discard or otherwise dispose of such used lead acid storage battery, except by delivery to a retailer or wholesaler, or a recycling facility, or a secondary lead smelter permitted by the US EPA, or a scrap metal processor, or a municipally established collection site.

**Sec. 22a-256a (b)** - No retailer shall dispose of a used lead acid storage battery except by delivery to battery manufacturer for delivery to a secondary lead smelter permitted by US EPA, or a recycling facility, or a secondary lead smelter permitted by US EPA, or a scrap metal processor.

**Sec. 22a-256a (c)** - Any person violating subsection (a) or (b) shall be fined not more than one thousand dollars. Each battery disposed in violation of this section shall constitute a separate violation.

**Sec. 22a-629 through Sec. 22a-640** - Electronics Recycling Law - Guidance for E-waste Recyclers.

**Sec. 22a-636** - Prohibits covered electronic devices and any of their components from being disposed.

#### **Municipalities**

**Sec. 8-2 (a)** - No municipal building zoning regulations shall prohibit the use of receptacles for the storage of designated recyclable items or require such receptacles comply with provisions for bulk or lot

area (with some specific exceptions). No such regulations shall unreasonably restrict access to or size of such receptacles for designated recyclable items for businesses.

**Sec. 22a-208e (c)** - The owner or operator of any recycling facility which receives for processing or sale the following items generated from the boundaries of Connecticut municipality: 1) Cardboard, 2) glass, food and beverage containers, 3) leaves, 4) metal food and beverage containers, 5) newspapers, 6) storage batteries, 7) waste oil, 8) plastic food and beverage containers, 9) office paper - shall report to DEEP quarterly on a form prescribed by the Commissioner and shall report to each municipality from which materials is received. If a municipality or hauler delivers those items out-of-state, the municipality shall notify the commissioner and shall ensure, by contract, that reporting requirements are met by the out-of-state facility.

**Sec. 22a-220 (a)** - Each municipality shall make provisions for the disposal of solid waste generated within its borders, including its share of the residue remaining after a recycling facility has processed its recyclables.

**Sec. 22a-220 (c)** - Any municipality whose solid waste is processed at a recycling facility, or any solid waste facility which accepts residue from a recycling facility, may at any reasonable time, inspect the recycling facility and any records relating to amounts of SW received and the amount of residue apportioned to each municipality.

**Sec. 22a-220 (d)** - If any municipality, regional authority, or regional solid waste facility fails to receive proper residue allocation from a recycling facility, it may bring civil action for relief.

**Sec. 22a-220 (f)** - Each municipality shall make provision for the separation, collection, processing and marketing of designated recyclables generated within its borders. The municipality shall adopt an ordinance on or before January 1, 1991 and provide DEEP with a recycling contact name, address, and telephone number.

It shall be the goal to recycle twenty-five per cent of the solid waste generated in each municipality provided it shall be the goal to reduce the weight of such waste by January 1, 2000, by an additional fifteen per cent by source reduction as determined by reference to the state solid waste management plan established in 1991, or by recycling such additional percentage of waste generated, or both.

**CGS 22a-220 (h)** - Each municipality shall submit an annual recycling report to DEEP on or before September 30th for the previous fiscal year (July - June). The report shall be on a form provided by DEEP and shall include specific information.

**Sec. 22a-220 (i)** - Each municipality shall designate a municipal or regional recycling contact person.

**Sec. 22a-220 (j)** - Commissioner may issue an order to enforce recycling requirements of Section 22a-220 and may issue a notice of recycling program deficiency for a municipality.

**Sec. 22a-220a (a)** - Municipality may designate where certain recyclables and solid waste generated within its borders from residential properties shall be taken for processing or sale.

**Sec. 22a-220a (d)(1)** - Any collector or hauler of solid waste, including recyclables, generated within a municipality shall register annually in that municipality and disclose specific information to the municipality.

**Sec. 22a-220a (d)(2)** - On or before July 31, 2011 and annually thereafter collectors shall report information to municipalities for the previous fiscal year, on a form provided by DEEP. Such report shall include information regarding solid waste (including recyclables) hauled from within the borders of the municipality including the type of waste, first destination; amount delivered directly to an out-of-state destination or end-user; etc.

**Sec. 22a-220a (g)** - As used in this section, "collector" means any person who holds himself out for hire to collect solid waste on a regular basis from residential, business, commercial or other establishments.

**Sec. 22a-220a (f)** - Any collector who knowingly mixes other solid waste with items designated for recycling pursuant to 22a-241b (or pursuant to municipal ordinance) shall be liable for a civil penalty of not more than \$2,500 for each violation and not more than \$10,000 for a subsequent violation.

**Sec. 22a-220c (a)** - Each municipality shall notify haulers of recycling requirements. After such notice, collectors are required to notify the municipal recycling contact about any customer believed to be discarding designated recyclables with solid waste.

Upon request of the municipality, a hauler shall provide a warning notice to customers suspected of violating separation requirements.

Haulers shall also assist also the municipality in identifying persons responsible for creating solid waste loads containing significant amounts of recyclables which were detected by the receiving resource recovery or solid waste facility.

**Sec. 22a-220c (b)** - The owner or operator of a resource recovery facility or solid waste facility receiving a load of solid waste containing a significant quantity of designated recyclables, shall notify the driver of the vehicle delivering the load and the municipality where the load originated. Such facility owners and operators shall conduct periodic, unannounced inspections of loads delivered to the facility and shall conduct additional inspections upon the request of the DEEP Commissioner.

**Sec. 22a-220d** - Failure of an owner or operator of a resource recovery facility or solid waste facility to notify a municipality about loads originating in the municipality and containing significant amounts of recyclables shall be subject to a warning by the municipality or the DEEP Commissioner for the first violation and to a civil penalty of \$500 for each subsequent violation.

Failure of an owner or operator of a resource recovery facility or solid waste facility to conduct an inspection requested by the DEEP Commissioner shall be subject to a civil penalty of \$1,000 dollars for each violation and \$5,000 for each subsequent violation.

Any municipality which fails to receive notification as required, or the Attorney General at the request of the DEEP Commissioner, may bring an action under this section.

**Sec. 22a-226d (a)** - Any municipality may establish a fine, not exceeding \$1,000 for violation of an ordinance adopted pursuant to Section 22a-250(a) or 22a-220(f) or 22a-220a(f) or 22a-220a(i)

**Sec. 22a-226d (b)** - Any police officer or other person authorized by the CEO of a municipality may issue a citation to any person who commits such a violation.

**Sec. 22a-229 (a)** - After the adoption of a state wide solid waste plan, any action taken by a person, municipality or regional authority that is governed by this chapter shall be consistent with such plan.

**Sec. 22a-229 (b) through 22a-229 (d)** - No municipality shall ban the sale or use of polystyrene packaging if the vendors or retail users of such products are engaged in an effort to collect and deliver such packaging to an established recycling facility. Does not apply to municipalities which held any hearing (in accordance with local law, ordinance, etc.) before October 1, 1989 or enacted any local law or ordinance before March 15, 1990, which would be inconsistent with these sections.

**Sec. 22a-241b (b)** - Any designated recyclable item shall be recycled by a municipality within 6 months of the availability of service by a local or regional processing system.

**Sec. 22a-241b (c)** - Each person who generates solid waste from a residential property shall, in accordance with subsection (f) of section 22a-220, separate designated recyclable items from other solid waste.

**Sec. 22a-241b (d)** - Every person who generates solid waste from a property other than a residential property shall make provision for and cause the separation of designated recyclable items from other solid waste through the use of separate collection containers for designated recyclable items i.e. other solid waste and designated recyclable items cannot be mixed together in the same collection containers.

**Sec. 22a-241b (e)** - No person shall knowingly combine previously segregated designated recyclable items with other solid waste.

**Sec. 22a-241e** - The Commissioner may order a municipality to deliver its recyclables items to an IPC if the municipality has failed to enter into a contract with an IPC and has failed to take measures necessary to implement local processing.

**Sec. 22a-241i** - A municipality may impose a penalty not to exceed \$500 for each violation by a commercial establishment of recycling separation requirements.

**Sec. 22a-241i (a)(1)** - On or before July 1, 2011 each municipality shall offer curbside or backyard collection of designated recyclable items commonly collected curbside in CT to those businesses and residents for which the municipality provides municipal curbside or backyard collection of solid waste as of October 1, 2010.

**Sec. 22a-241i (a)(2)** - Municipalities which achieve an MSW recycling rate averaged over a three year continuous period, that exceeds the state-wide MSW recycling rate averaged for that three year period are exempt from the above requirement.

**Sec. 22a-241i (b)(1)** - On or before July 1, 2011 each collector who offers curbside or backyard collection of residential solid waste shall offer curbside or backyard collection of designated recyclable items commonly collected curbside in CT to each of such customer. The charge for collection of designated recyclables shall be included in the collector's charge for solid waste collection.

**Sec. 22a-241i (b)(2)** - Collectors providing services to municipalities which achieve an MSW recycling rate averaged over a three year continuous period, that exceeds the state-wide MSW recycling rate averaged for that three year period are exempt from the above requirement.

**Sec. 22a-241k (2)(b)** - (effective October 1, 2011) Common gathering venues which provide for trash collection and where designated recyclables may be generated must also provide recycling receptacles for designated recyclables.

**Sec. 22a-241i (b)** - (effective July 1, 2012) Each contract between a business and a collector for the collection of solid waste shall make provision for collection of designated recyclable items - either by the same collector or by a different collector as identified by the customer. In addition, each collector shall provide customers with clear instructions on how to separate designated recyclable items.

**Sec. 22a-256a** - Each municipality shall recycle NiCd batteries.

**Sec. 22a-629 through Sec. 22a-640** - **Electronics Recycling Law - Guidance for Municipalities**

**Sec. 22a-635** - Prohibits covered electronic devices and any of their components from being disposed.

#### **Generators**

(Everyone e.g. Households; Retail Establishments; Businesses; Printers & Publishers; Schools; Local, State, Regional and Federal Government Facilities; Institutions; Non-profits; Hospitals, Hotels; etc.)

**Sec. 22a-241i (b)** - (effective July 1, 2012) Each contract between a business and a collector for the collection of solid waste shall make provision for collection of designated recyclable items - either by the

same collector or by a different collector as identified by the customer. In addition, each collector shall provide customers with clear instructions on how to separate designated recyclable items.
<b>PA 10-87 Section 8</b> - Not later than June 1, 2011, DEEP shall report, to the General Assembly Environment Committee, the costs and benefits of different methods of removing food waste from the waste stream and identify state incentives and guidance to develop requisite composting facilities to accomplish this.
<b>PA 10-87 Section 9</b> - DEEP in consultation with the CT Academy of Science and Engineering shall study the potential beneficial use of ash residue and not later than January 1, 2011 DEEP shall submit a report on the results of that study to the General Assembly Environment Committee.
<b>Sec. 8-2(a)</b> - No municipal building zoning regulations shall prohibit the use of receptacles for the storage of designated recyclable items or require such receptacles comply with provisions for bulk or lot area (with some specific exceptions). No such regulations shall unreasonably restrict access to or size of such receptacles for designated recyclable items for businesses.
<b>Sec. 22a-220a (l)</b> - Any person other than a collector who dumps the wrong type of material into a recycling collection container shall be guilty of an infraction as provided for in chapter 881b. Any municipal police officer may issue a summons for this type of violation.
<b>Sec. 22a-241b (c)</b> - Each person who generates solid waste from a residential property shall, in accordance with subsection (f) of Sec. 22a-220, separate <u>designated recyclable items</u> from other solid waste.
<b>Sec. 22a-241b (d)</b> - Every person who generates solid waste from a property other than a residential property shall make provision for and cause the separation of <u>designated recyclable items</u> from other solid waste through the use of separate collection containers for designated recyclable items i.e. other solid waste and designated recyclable items cannot be mixed together in the same collection containers.
<b>Sec. 22a-241b (e)</b> - No person shall knowingly combine previously segregated <u>designated recyclable items</u> with other solid waste.
<b>Sec. 22a-241i</b> - A municipality may impose a penalty not to exceed \$500 for each violation by a commercial establishment of recycling separation requirements.
<b>Sec. 22a-241i (a)(1)</b> - On or before July 1, 2011 each municipality shall offer curbside or backyard collection of <u>designated recyclable items</u> commonly collected curbside in CT to those businesses and residents for which the municipality provides municipal curbside or backyard collect of solid waste as of October 1, 2010.
<b>Sec. 22a-241i (a)(2)</b> - Municipalities which achieve an MSW recycling rate averaged over a three year continuous period, that exceeds the state-wide MSW recycling rate averaged for that three year period are exempt from the above requirement.
<b>Sec. 22a-241i (b)(1)</b> - On or before July 1, 2011 each collector who offers curbside or backyard collection of residential solid waste shall offer curbside or backyard collection of <u>designated recyclable items</u> commonly collected curbside in CT to each of such customer. The charge for collection of <u>designated recyclables</u> shall be included in the collector's charge for solid waste collection.
<b>Sec. 22a-241i (b)(2)</b> - Collectors providing services to municipalities which achieve an MSW recycling rate averaged over a three year continuous period, that exceeds the state-wide MSW recycling rate averaged for that three year period are exempt from the above requirement.
<b>Sec. 22a-241k (2)(ii)</b> - (effective October 1, 2011) Common gathering venues which provide for trash collection and where <u>designated recyclables</u> may be generated must also provide recycling receptacles for designated recyclables.
<b>Sec. 22a-255a</b> - No person may sell an aluminum or steel can which is also composed of one or more plastics.
<b>Sec. 22a-255b</b> - Any plastic bottle sold or offered for sale in Connecticut shall bear a plastic resin identification code.
<b>Sec. 22a-255e</b> - Each retail establishment offering plastic bags to customers for goods purchased at such establishment shall also offer paper bags and inform customers that a choice is available.
<b>Sec. 22a-256b (a)</b> - Any NiCd battery containing consumer product sold or offered for sale after July 1, 1993 shall have the NiCd battery easily removable and shall be properly labeled.
<b>Sec. 22a-256c (b)</b> - Each retailer selling mercuric oxide batteries shall provide written notice that such batteries are hazardous and require separate disposal. Such retailer is required to accept used mercuric oxide batteries from the consumer.
<b>Sec. 22a-256c (c)</b> - Retailers shall accept used mercuric oxide batteries from consumers. Wholesalers shall accept used mercuric oxide batteries from retailers or consumers. Any mercuric oxide batteries accepted by a retailer or wholesaler shall be disposed in accordance with the provisions of this section.
<b>Sec. 22a-256c (d)</b> - No person shall dispose of used mercuric oxide batteries except by delivery to a retailer, wholesaler, manufacturer, or recycling center.
<b>Sec. 22a-256g (a)</b> - No person may place a used lead acid storage battery in mixed MSW or discard or otherwise dispose of such used lead acid storage battery, except by delivery to a retailer or wholesaler, or a recycling facility, or a secondary lead smelter permitted by the US EPA, or a scrap metal processor, or a municipally established collection site.

battery manufacturer for delivery to a secondary lead smelter permitted by US EPA, or a recycling facility, or a secondary lead smelter permitted by US EPA, or scrap metal processor.

Sec. 22a-256g (c) - Any person violating subsection (a) or (b) shall be fined not more than one thousand dollars. Each battery disposed in violation of this section shall constitute a separate violation.

Sec. 22a-256h - Deals with the \$5 deposit on lead acid storage batteries and the requirement for retailers to post written notice and to accept a used battery for recycling when a new battery is purchased.

Sec. 22a-256i - Requires a wholesaler to accept at the point of transfer, used batteries, at a minimum equal to the number of new batteries purchased, from retailers or consumers. Any wholesaler accepting batteries in transfer from a retailer shall remove such batteries from the retail point of collection within ninety days. The Commissioner, upon presenting appropriate credentials to a retailer, operator or agent in charge, may inspect, at reasonable times the retailer's place of business. The Commissioner may issue warnings and citations to retailers who fail to comply with the provisions of 22a-256f through 22a-256i, inclusive.

Sec. 22a-256m through Sec. 22a-256u - Requirements for Connecticut publishers and printers to use minimum percentages of recycled newsprint fiber and to report to DEEP annually.

Sec. 22a-256v through Sec. 22a-256ee - Requirements for directory publishers to use minimum percentages of recycled fiber, to report to DEEP annually, and under certain conditions, to provide for the retrieval of a percentage of the directories they distribute.

Sec. 22a-629 through Sec. 22a-240 - Electronics Recycling Law

Sec. 22a-636 - Prohibits covered electronic devices and any of their components from being disposed.

Questions? Call the DEEP Recycling Office at (860) 424-3366.

Content Last Updated March 28, 2017

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## CT Chapter, NWRA Packaging Task Force

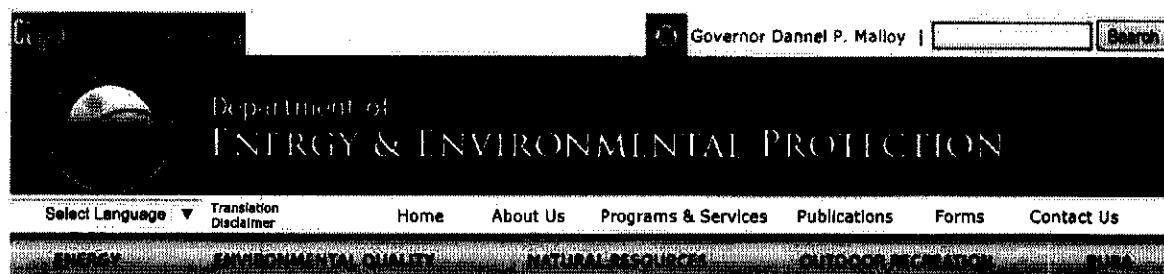
### Exhibit #5

### Items Designated for Recycling

### CT DEEP Website

<http://www.ct.gov/deep/cwp/view.asp?a=2714&q=324896>

September 2017



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## Recycling...It's the Law!

[What Cannot Go In The Trash?](#)[Additional Recyclable Items](#)[Why Recycle?](#)[What Does the Law Require My Hauler to Do?](#)[Multi-Family and Condo Recycling](#)[Technical Assistance](#)

Did you know that recycling is mandatory in Connecticut? **Everyone must recycle.** That includes residents whether living in a single or multi-family building, every business including non-profits, and all public and private agencies and institutions (e.g. colleges, hospitals, local and state government agencies). ***It's the Law!***

**What Cannot Go In The Trash?**

Connecticut has adopted various solid waste management requirements to promote recycling of specific material types. Some items are mandated to be recycled pursuant to DEEP regulation, state statute, and local ordinance. Examples include bottles, cans, newspaper, cardboard, and Ni-Cd rechargeable batteries. Some items are banned from disposal, such as grass clippings and specific household electronic devices. Other items are prevented from entering the waste stream through product stewardship programs (also known as extended producer responsibility or EPR) which require manufacturers of certain items to develop and/or provide collection systems for their products. Examples of products covered under EPR programs in CT are electronics, paint, mercury thermostats and mattresses. Finally, some items are recycled through a deposit program such as the "Bottle Bill" nickel deposit on specific types of beverage containers and the deposit program for lead acid (automobile) batteries.

What this all boils down to is a list of items prevented from being thrown-out in the regular trash due to recycling requirements, disposal bans, EPR programs, deposit programs or a combination of these as noted below. Be aware that many of these items get recycled through more than one waste management system. Links to the laws and regulations that govern how these items are handled can be found on our [Recycling Laws and Regulations](#) web page.

**Items Designated (i.e. Mandated) for Recycling**

- Glass & Metal Food & Beverage Containers
- Plastic Containers (PET or PETE #1)
- Plastic Containers (HDPE #2)
- Corrugated Cardboard
- Boxboard
- Newspaper
- Magazines
- White & Colored Office Paper (residences and businesses)
- Scrap Metal, including appliances
- Ni-Cd Rechargeable Batteries (from consumer products)
- Waste Oil (crankcase oil from internal combustion engines)
- Leaves (must be composted)
- Lead Acid Battery or Motor Vehicle Batteries
- Grass Clippings (should be left on the lawn or, if necessary, composted)
- Commercially Generated Source Separated Organic Materials (Only applies to those businesses compelled to do so per CGS Section 22a-226e. See [Letter to Food Business Managers](#). Please view the [Commercial Organics Recycling Law](#) webpage for more information.)

**Items Banned from Disposal**

- Grass Clippings
- Household Covered Electronic Devices (televisions, monitors, printers and computers)
- Lead acid battery or a motor vehicle battery

**Items Covered Under a Product Stewardship Program**



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**CT Chapter, NWRA Packaging Task Force  
Exhibit #6**

**Community Performance Comparisons\*  
&  
Municipal Transfer Stations\*\***

Source: SERA Draft CT DEEP 2015 Report\*

&

[http://www.ct.gov/deep/lib/deep/waste management and disposal/solid waste  
e/Registered Municipal Transfer Stations.pdf](http://www.ct.gov/deep/lib/deep/waste_management_and_disposal/solid_waste/Registered_Municipal_Transfer_Stations.pdf) \*\*

September 2017

## Appendix D –Performance Comparisons of CT Communities

Figure D.1: Statewide, Program Comparisons

### Comparison of CT Communities

169 total communities / total # Housing Units 1385975 / total population 3596080	% of Towns	% of HHs	Recycling %	Org Div %	MSW TPHH	Recy TPHH	Org TPHH
<b>STATEWIDE AVERAGE PERFORMANCE</b>	100%	100%	20%	6%	1.59	0.43	0.15
<b>RECYCLING COLLECTION</b>							
Communities with curbside recycling	98%	97%	20%	6%	1.65	0.46	0.17
Communities with drop-off only recycling	3%	3%	18%	6%	1.18	0.26	0.11
Weekly Recycling	44%	47%	18%	6%	0.64	0.41	0.23
EOW Recycling	49%	50%	21%	6%	0.69	0.47	0.23
Communities with SS Recycling	94%	97%	20%	6%	1.65	0.46	0.17
Communities without SS Recycling	5%	3%	19%	5%	1.42	0.35	0.13
<b>ORGANICS COLLECTION</b>							
Communities with organics collection	37%	41%	19%	6%	1.68	0.45	0.19
Communities with organics drop-off only	12%	13%	18%	11%	1.99	0.57	0.40
Communities with any organics program	67%	85%	18%	8%	0.68	0.42	0.26
Communities without organics	14%	5%	24%	2%	1.09	0.38	0.04
Communities with Year Round Organics	12%	7%	23%	6%	1.44	0.46	0.17
Communities with Seasonal Organics	19%	22%	18%	6%	1.62	0.41	0.18
<b>MANDATED TRASH</b>							
Communities with trash collection required	24%	35%	20%	6%	1.48	0.39	0.16
Communities without trash coll'n required	76%	65%	20%	6%	1.69	0.48	0.17
<b>PAYT SYSTEMS</b>							
Communities with PAYT - any	62%	54%	20%	6%	1.02	0.26	0.00
Communities with PAYT - drop-off only	1%	0%	0%	0%	0.00	0.00	0.00
Communities with GOOD PAYT (if available)	15%	16%	20%	6%	1.49	0.38	0.15
Communities without good PAYT	37%	25%	20%	7%	1.49	0.43	0.18
<b>PAYING THROUGH TAXES</b>							
Communities paying thru taxes (tentative data)	20%	30%	20%	6%	1.88	0.53	0.19
Communities not paying through taxes	80%	70%	20%	6%	1.58	0.43	0.16

Figure D.2: Statewide, Collection Arrangement Comparisons

169 total communities / total # Housing Units 1385975 / total population 3596080	% of Towns	% of HHs	Recycling %	Org Div %	MSW TPHH	Recy TPHH	Org TPHH
<b>STATEWIDE AVERAGE PERFORMANCE</b>	100%	100%	20%	6%	1.59	0.43	0.15
<b>MUNICIPAL COLLECTION</b>							
Communities with municipal trash coll'n	14%	33%	19%	9%	2.78	0.81	0.41
Communities without municipal trash coll'n	86%	67%	20%	5%	1.46	0.40	0.13
Communities with municipal recycling coll'n	24%	39%	19%	6%	2.15	0.58	0.26
Communities without municipal recycling collection	75%	61%	20%	6%	1.48	0.41	0.14
Communities with muni organics coll'n	15%	22%	19%	6%	1.36	0.33	0.13
Communities without muni organics coll'n	20%	22%	19%	9%	1.75	0.50	0.29
<b>CONTRACTED COLLECTION</b>							
Communities with contract for trash coll'n	37%	35%	20%	5%	1.46	0.39	0.13
Communities without Contract for Trash Collection	62%	65%	20%	6%	1.75	0.50	0.19
Communities with contract for recy coll'n	28%	33%	20%	5%	1.51	0.41	0.10
Communities without contract for recycling coll'n	71%	67%	20%	6%	1.70	0.47	0.19
Communities with contract for organics coll'n							
<b>MULTIPLE HAULERS</b>							
Communities with Multiple Trash Haulers	53%	42%	20%	5%	0.73	0.28	0.28
Communities without Multiple trash haulers	47%	58%	20%	6%	0.63	0.19	0.19
Communities with Multiple Recycling Haulers	59%	42%	21%	6%	0.79	0.29	0.29
Communities without Multiple Recycling haulers	41%	58%	19%	6%	0.59	0.18	0.18
Communities with hauler collected organics	9%	12%	21%	5%	1.35	0.38	0.09
Communities without hauler collected organics	25%	31%	18%	9%	1.67	0.45	0.27

Figure D.3: Low Performer Community Program and Collection Arrangement Comparisons

Comparison of CT Communities Low Performers: 30 total communities / total # Housing Units 511255 / total population 1313478	% of Towns	% of HHs	Recycling %	Org Div %	MSW TPHH	Recy TPHH	Org TPHH
<b>Low Performers AVERAGE PERFORMANCE</b>	100%	100%	11%	12%	1.68	0.26	0.32
<b>RECYCLING COLLECTION</b>							
Communities with curbside recycling	100%	100%	11%	12%	1.71	0.26	0.31
Communities with drop-off only recycling	0%	0%	-	-	-	-	-
Weekly Recycling	67%	65%	18%	6%	1.26	0.81	0.45
EOW Recycling	27%	29%	21%	6%	3.16	2.17	0.99
Communities with SS Recycling	90%	95%	11%	12%	1.71	0.26	0.32

Communities without SS Recycling	7%	4%	13%	9%	1.69	0.27	0.19
<b>ORGANICS COLLECTION</b>							
Communities with organics collection	43%	51%	11%	11%	1.71	0.25	0.26
Communities with organics drop-off only	20%	17%	10%	29%	1.30	0.26	0.82
Communities without organics	3%	1%	13%	0%	1.27	0.20	0.00
Communities with Year Round Organics	3%	1%	11%	60%	0.79	0.31	1.68
Communities with Seasonal Organics	30%	31%	11%	6%	1.71	0.25	0.13
<b>MANDATED TRASH</b>							
Communities with trash collection required	20%	31%	12%	9%	1.85	0.28	0.27
Communities without trash coll'n required	80%	69%	11%	12%	1.67	0.25	0.32
<b>PAYT SYSTEMS</b>							
Communities with PAYT - any	57%	46%	11%	15%	1.75	0.28	0.42
Communities with PAYT - drop-off only	0%	0%	-	-	-	-	-
Communities with GOOD PAYT (if available)	17%	22%	13%	17%	2.01	0.35	0.48
Communities without good PAYT	27%	18%	10%	21%	1.38	0.24	0.59
<b>PAYING THROUGH TAXES</b>							
Communities paying thru taxes (tentative data)	20%	27%	10%	4%	2.05	0.26	0.11
Communities not paying through taxes	80%	73%	11%	13%	1.63	0.26	0.34
<b>MUNICIPAL COLLECTION</b>							
Communities with municipal trash coll'n	27%	59%	12%	10%	1.78	0.27	0.22
Communities without municipal trash coll'n	73%	41%	11%	12%	1.69	0.25	0.33
Communities with municipal recycling coll'n	40%	65%	12%	9%	1.82	0.28	0.20
Communities without municipal recycling collection	60%	35%	10%	13%	1.65	0.25	0.36
Communities with muni organics coll'n	20%	36%	11%	9%	1.78	0.25	0.20
Communities without muni organics coll'n	27%	21%	9%	22%	1.27	0.22	0.62
<b>CONTRACTED COLLECTION</b>							
Communities with contract for trash coll'n	37%	21%	10%	8%	1.75	0.24	0.22
Communities without Contract for Trash Collection	63%	79%	11%	13%	1.69	0.27	0.36
Communities with contract for recy coll'n	30%	25%	11%	4%	1.95	0.25	0.10
Communities without contract for recycling coll'n	70%	75%	11%	15%	1.60	0.26	0.41
Communities with contract for organics coll'n	0%	0%	-	-	-	-	-
Communities with hauler collected organics	10%	14%	9%	1%	1.39	0.14	0.02
Communities without hauler collected organics	37%	42%	-	-	-	-	-

Figure D.4: High Performer Program and Collection Arrangement Comparisons

Comparison of CT Communities High Performers: 30 total communities / total # Housing Units 130598 / total population 484760	% of Towns	% of HHs	Recycling %	Org Div %	MSW TPHH	Recy TPHH	Org TPHH
<b>STATEWIDE AVERAGE PERFORMANCE</b>	100%	100%	27%	4%	1.45	0.56	0.07
<b>RECYCLING COLLECTION</b>							



Communities with curbside recycling	100%	100%	27%	4%	1.52	0.60	0.11
Communities with drop-off only recycling	0%	0%	-	-	-	-	-
Weekly Recycling	37%	30%	18%	6%	7.62	4.91	2.71
EQW Recycling	53%	63%	21%	6%	4.22	2.89	1.32
Communities with SS Recycling	97%	96%	27%	3%	1.54	0.61	0.11
Communities without SS Recycling	3%	4%	-	-	-	-	-
<b>ORGANICS COLLECTION</b>							
Communities with organics collection	43%	47%	26%	3%	1.80	0.67	0.21
Communities with organics drop-off only	13%	19%	23%	2%	1.76	0.61	0.07
Communities without organics	13%	7%	27%	1%	0.99	0.41	0.02
Communities with Year Round Organics	10%	21%	27%	4%	1.25	0.51	0.09
Communities with Seasonal Organics	17%	19%	24%	2%	0.95	0.36	0.03
<b>MANDATED TRASH</b>							
Communities with trash collection required	30%	43%	27%	4%	1.16	0.47	0.09
Communities without trash coll'n required	70%	57%	27%	2%	1.62	0.63	0.11
<b>PAYT SYSTEMS</b>							
Communities with PAYT - any	50%	51%	26%	2%	1.06	0.42	0.05
Communities with PAYT - drop-off only	0%	0%	-	-	-	-	-
Communities with GOOD PAYT (if available)	13%	11%	27%	1%	1.08	0.39	0.01
Communities without good PAYT	40%	41%	26%	3%	1.07	0.45	0.07
<b>PAYING THROUGH TAXES</b>							
Communities paying thru taxes	33%	47%	28%	6%	1.86	0.72	0.12
Communities not paying through taxes	12%	53%	27%	2%	1.44	0.57	0.10
<b>MUNICIPAL COLLECTION</b>							
Communities with municipal trash coll'n	13%	13%	26%	7%	4.39	1.57	0.60
Communities without municipal trash coll'n	87%	87%	27%	2%	1.12	0.46	0.04
Communities with municipal recycling coll'n	20%	10%	26%	4%	2.80	0.97	0.34
Communities without municipal recycling collection	80%	90%	27%	2%	1.19	0.50	0.04
Communities with muni organics coll'n	10%	9%	24%	0%	0.90	0.34	0.01
Communities without muni organics coll'n	37%	51%	26%	4%	1.39	0.53	0.09
<b>CONTRACTED COLLECTION</b>							
Communities with contract for trash coll'n	43%	59%	27%	4%	1.27	0.52	0.08
Communities without contract for Trash Collection	57%	41%	27%	2%	1.67	0.64	0.13
Communities with contract for recy coll'n	40%	61%	27%	3%	1.46	0.58	0.08
Communities without contract for recycling coll'n	60%	39%	27%	2%	1.57	0.61	0.12
Communities with contract for organics coll'n	0%	0%	-	-	-	-	-
Communities with hauler collected organics	23%	31%	28%	6%	1.03	0.43	0.10
Communities without hauler collected organics	23%	29%	23%	1%	1.35	0.49	0.04

Figure D.5: Dense Area Program Comparisons

Comparison of CT Communities in Dense Areas: 79 total communities / total # Housing Units 1037367 / total population 2681634	% of Towns	% of HHs	Recycling %	Org Div %	MSW TPHH	Recy TPHH	Org TPHH
<b>Dense Areas AVERAGE PERFORMANCE</b>	100%	100%	18%	9%	1.95	0.53	0.28
<b>RECYCLING COLLECTION</b>							
Communities with curbside recycling	96%	97%	18%	9%	1.97	0.54	0.29
Communities with drop-off only recycling	4%	3%	11%	8%	1.29	0.18	0.16
Weekly Recycling	41%	47%	16%	11%	1.77	0.42	0.34
EOW Recycling	52%	49%	20%	7%	2.19	0.64	0.26
Communities with SS Recycling	95%	97%	18%	9%	1.97	0.54	0.28
Communities without SS Recycling	4%	2%	17%	14%	1.38	0.36	0.36
<b>ORGANICS COLLECTION</b>							
Communities with organics collection	35%	41%	18%	10%	2.12	0.58	0.35
Communities with organics drop-off only	14%	14%	18%	20%	2.86	0.85	0.73
Communities without organics	5%	3%	19%	5%	1.30	0.32	0.09
Communities with Year Round Organics	5%	6%	21%	22%	1.38	0.55	0.60
Communities with Seasonal Organics	24%	26%	17%	8%	1.84	0.47	0.27
<b>MANDATED TRASH</b>							
Communities with trash collection required	27%	38%	19%	7%	1.53	0.40	0.19
Communities without trash coll'n required	73%	62%	18%	9%	2.10	0.57	0.32
<b>PAYT SYSTEMS</b>							
Communities with PAYT - any	48%	45%	18%	11%	1.62	0.41	0.29
Communities with PAYT - drop-off only	0%	0%	0%	0%	0.00	0.00	0.00
Communities with GOOD PAYT (if available)	13%	14%	18%	8%	1.93	0.46	0.24
Communities without good PAYT	27%	22%	18%	14%	1.54	0.42	0.37
<b>PAYING THROUGH TAXES</b>							
Communities paying thru taxes (tentative data)	33%	37%	20%	8%	2.02	0.59	0.24
Communities not paying through taxes	67%	63%	17%	9%	1.91	0.49	0.31

Figure D.6: Less Dense Area Program Comparisons

Comparison of CT Communities in Non Dense Areas: 90 total communities / total # Housing Units 348608 / total population 918446	% of Towns	% of HHs	Recycling %	Org Div %	MSW TPHH	Recy TPHH	Org TPHH
<b>Non Dense Areas AVERAGE PERFORMANCE</b>	100%	100%	22%	3%	1.37	0.39	0.06
<b>RECYCLING COLLECTION</b>							
Communities with curbside recycling	99%	98%	22%	3%	1.37	0.39	0.07
Communities with drop-off only	2%	3%	27%	3%	1.02	0.38	0.04



<b>recycling</b>							
Weekly Recycling	48%	46%	20%	2%	1.31	0.32	0.05
EOW Recycling	46%	53%	22%	4%	1.45	0.42	0.09
Communities with SS Recycling	93%	94%	22%	3%	1.37	0.39	0.07
Communities without SS Recycling	7%	6%	20%	1%	1.44	0.35	0.02
<b>ORGANICS COLLECTION</b>							
Communities with organics collection	39%	39%	21%	3%	1.34	0.35	0.06
Communities with organics drop-off only	11%	11%	17%	2%	1.04	0.25	0.04
Communities without organics	22%	11%	26%	1%	1.05	0.39	0.03
Communities with Year Round Organics	18%	12%	23%	3%	1.46	0.44	0.06
Communities with Seasonal Organics	14%	13%	20%	2%	1.31	0.33	0.04
<b>MANDATED TRASH</b>							
Communities with trash collection required	22%	27%	21%	5%	1.42	0.37	0.12
Communities without trash coll'n required	78%	73%	22%	3%	1.36	0.40	0.05
<b>PAYT SYSTEMS</b>							
Communities with PAYT - any	73%	80%	21%	4%	1.42	0.39	0.08
Communities with PAYT - drop-off only	0%	0%	0%	0%	0.00	0.00	0.00
Communities with GOOD PAYT (if available)	17%	22%	21%	4%	1.20	0.33	0.09
Communities without good PAYT	46%	36%	21%	4%	1.47	0.43	0.09
<b>PAYING THROUGH TAXES</b>							
Communities paying thru taxes (tentative data)	9%	9%	21%	2%	1.42	0.35	0.03
Communities not paying through taxes	91%	91%	22%	3%	1.37	0.39	0.07

Figure D.7: Dense Area Collection Arrangement Comparisons

Comparison of CT Communities in Dense Area: 79 total communities / total # Housing Units 1037367 / total population 2681634	% of Towns	% of HHs	Recycling %	Org. DN %	MSW TPHH	Recy TPHH	Org. TPHH
<b>MUNICIPAL COLLECTION</b>							
Communities with municipal trash coll'n	23%	43%	17%	10%	3.27	0.94	0.50
Communities without municipal trash coll'n	28%	57%	51%	24%	4.31	1.12	0.61
Communities with municipal recycling coll'n	28%	44%	16%	8%	3.01	0.81	0.40
Communities without municipal recycling collection	72%	56%	19%	9%	1.54	0.42	0.24
Communities with muni organics coll'n	16%	26%	16%	10%	1.69	0.35	0.23
Communities without muni organics coll'n	25%	23%	19%	14%	2.22	0.65	0.46
<b>CONTRACTED COLLECTION</b>							
Communities with contract for trash coll'n	72%	36%	12%	5%	0.95	0.26	0.11
Communities without contract for trash Collection	34%	64%	28%	16%	3.69	0.99	0.59
Communities with contract for recy coll'n	34%	37%	19%	8%	1.46	0.42	0.16
Communities without contract for recycling	66%	63%	18%	9%	2.20	0.58	0.35

coll'n							
Communities with contract for organics coll'n							
Communities with hauler collected organics	13%	14%	19%	6%	1.46	0.38	0.12
Communities without hauler collected organics	29%	35%	17%	15%	2.25	0.60	0.48

Figure D.8: Less Dense Area Collection Arrangement Comparisons

Comparison of CT Communities in Non Dense Areas: 90 total communities / total # Housing Units 348808 / total population 914446	% of Towns	% of HHs	Recycling %	Org Div %	MSW TPHH	Recy TPHH	Org TPHH
<b>MUNICIPAL COLLECTION</b>							
Communities with municipal trash coll'n	6%	4%	25%	6%	0.99	0.35	0.09
Communities without municipal trash coll'n	94%	96%	21%	3%	1.39	0.39	0.06
Communities with municipal recycling coll'n	21%	24%	23%	4%	1.16	0.33	0.08
Communities without municipal recycling collection	78%	76%	21%	3%	1.44	0.41	0.06
Communities with muni organics coll'n	13%	11%	22%	1%	1.01	0.31	0.02
Communities without muni organics coll'n	16%	17%	20%	2%	1.07	0.30	0.04
<b>CONTRACTED COLLECTION</b>							
Communities with contract for trash coll'n	30%	32%	21%	3%	1.41	0.35	0.06
Communities without contract for Trash Collection	69%	67%	22%	3%	1.36	0.41	0.07
Communities with contract for recy coll'n	23%	21%	21%	1%	1.58	0.39	0.02
Communities without contract for recycling coll'n	76%	78%	22%	4%	1.31	0.39	0.08
Communities with contract for organics coll'n							
Communities with hauler collected organics	7%	8%	25%	2%	1.16	0.39	0.03
Communities without hauler collected organics	22%	20%	20%	1%	1.01	0.28	0.03

## Registered Municipal Transfer Stations

The following is a list of the Municipal Transfer Stations (MTS) that are registered with the DEEP which may accept and consolidate many types of waste, including, but not limited to municipal solid waste (MSW), oversized MSW, land-clearing debris, construction & demolition (C&D), scrap tires, scrap metal, used oil, and recyclable materials. Please see the **Local Municipal Recycling Coordinators** for specific contact names, phone numbers and web page links for the following MTS.

Andover Transfer Station	155 Shoddy Mill Road, Andover, Connecticut
Ansonia Transfer Station	North Division Street, Ansonia, Connecticut
Ashford Transfer Station	232 Upton Road, Ashford, Connecticut
Avon Transfer Station	281 Huckleberry Hill Road, Avon, Connecticut
Barkhamsted/New Hartford/Winsted Transfer Station	31 New Hartford Road, Barkhamsted, Connecticut
Beacon Falls Transfer Station	401 Lopus Road, Beacon Falls, Connecticut
Bethany Transfer Station	755 Amity Road, Bethany, Connecticut
Bethel Transfer Station	10 Sympaug Park Road, Bethel, Connecticut
Bethlehem Transfer Station	409 South Main Street, Bethlehem, Connecticut
Berlin Transfer Station	642 Christian Lane, Berlin, Connecticut
Berlin Transfer Station	19 Town Farm Lane, Berlin, Connecticut
Bolton Transfer Station	98 Notch Road, Bolton, Connecticut
Bozrah Transfer Station	255 Bozrah Street, Bozrah, Connecticut
Branford Transfer Station	747 East Main Street, Branford, Connecticut
Bridgeport Transfer Station	475 Asylum Street, Bridgeport, Connecticut
Bristol Transfer Station	685 Lake Avenue, Bristol, Connecticut
Brooklyn Transfer Station	Rukstella Road, Brooklyn, Connecticut
Burlington Transfer Station	66 Belden Road, Burlington, Connecticut
Canaan Transfer Station	100 Route 63, Canaan, Connecticut
Canterbury Transfer Station	111 Kinne Road, Canterbury, Connecticut
Canton Transfer Station	Ramp Road, Canton, Connecticut
Chaplin Transfer Station	456 Phoenixville Road, Chaplin, Connecticut
Cheshire Transfer Station	1286 Waterbury Road, Cheshire, Connecticut
Chester Transfer Station	220 Winthrop Road, Chester, Connecticut
Clinton Transfer Station	117 Old Nod Road, Clinton, Connecticut
Colchester Transfer Station	89 Old Amston Road, Colchester, Connecticut
Columbia Transfer Station	89 Route 6, Columbia, Connecticut
Cornwall Transfer Station	24 Furnace Brook Road, Cornwall, Connecticut
Coventry Transfer Station	South and Plains Road, Coventry, Connecticut
Cromwell Transfer Station	Shunpike Road, Cromwell, Connecticut
Darien Transfer Station	126 Ledge Road, Darien, Connecticut
Deep River Transfer Station	220 Winthrop Road, Deep River, Connecticut
Derby Transfer Station	Pine Street, Derby, Connecticut
Durham/Middlefield Transfer Station	Cherry Hill Road, Middlefield, Connecticut

East Granby Transfer Station	205 Turkey Hills Road, East Granby, Connecticut
East Haddam Transfer Station	Nichols Hill Road, East Haddam, Connecticut
East Hampton Transfer Station	Bear Swamp Road, East Hampton, Connecticut
East Hartford Transfer Station	141 Ecology Road, East Hartford, Connecticut
East Hartland Transfer Station	Welsh Road, East Hartland, Connecticut
East Haven Transfer Station	3303 Commerce Street, East Haven, Connecticut
East Lyme Transfer Station	91 Roxbury Road, East Lyme, Connecticut
Eastford Transfer Station	Westford Road, Eastford, Connecticut
MIRA Regional Transfer Station	217 Sadds Mill Road (Route 140), Ellington, CT
Ellington Transfer Station	21 Main Street, Ellington, Connecticut
Enfield Transfer Station	Town Farm Road, Enfield, Connecticut
Essex Transfer Station	Town Dump Road, Essex, Connecticut
MIRA Regional Transfer Station	Town Dump Road, Essex, Connecticut
Fairfield Transfer Station	One Rod Road, Fairfield, Connecticut
Franklin Transfer Station	197 Pond Road, Franklin, Connecticut
Glastonbury Transfer Station	2340 New London Turnpike, Glastonbury, CT
Granby Transfer Station	Old Stagecoach Road, Granby, Connecticut
Greenwich Transfer Station	Holly Hill Lane, Greenwich, Connecticut
Groton Transfer Station	685 Flanders Road, Groton, Connecticut
Griswold Transfer Station	1148 Voluntown Road, Griswold, Connecticut
Guilford/Madison Transfer Station	1900 Boston Post Road, Guilford, Connecticut
Haddam Transfer Station	Route 154, Haddam, Connecticut
Hamden Transfer Station	231 Wintergreen Avenue, Hamden, Connecticut
Hampton/Scotland Transfer Station	35 Landfill Road, Hampton, Connecticut
Hartford Transfer Station	180 Leibert Road, Hartford, Connecticut
Hartland Transfer Station	12 Welch Road, Hartland, Connecticut
Hebron Transfer Station	550 Old Colchester Road, Hebron, Connecticut
Kent Transfer Station	38 Maple Street, Kent, Connecticut
Killingly Transfer Station	246 Brickhouse Road, Killingly, Connecticut
Killingworth Transfer Station	Recycle Way, Killingworth, Connecticut
Lebanon Transfer Station	171 Exeter Road, Lebanon, Connecticut
Ledyard Transfer Station	889 Colonel Ledyard Highway, Ledyard, Connecticut
Litchfield Transfer Station	Little Pitch Road, Litchfield, Connecticut
Lyme Transfer Station	Brush Hill Road, Lyme, Connecticut
Manchester Transfer Station	1 Landfill Way, Manchester, Connecticut
Mansfield Transfer Station	Warrenville Road, Mansfield, Connecticut
Marlborough Transfer Station	76 Quinn Road, Marlborough, Connecticut
Meriden Transfer Station	226 Evansville Road, Meriden, Connecticut
Meriden Transfer Station	55 Michael Drive, Meriden, Connecticut
Middlebury Transfer Station	1 Service Road, Middlebury, Connecticut
Middletown Transfer Station	Johnson Street, Middletown, Connecticut

Milford Transfer Station	755 Oronoque Road, Milford, Connecticut
Montville Transfer Station	669 Route 163, Montville, Connecticut
Morris Transfer Station	254 Lakeside Road, Morris, Connecticut
Naugatuck Transfer Station	246 Rubber Avenue, Naugatuck, Connecticut
New Canaan Transfer Station	139 Lakeview Avenue, New Canaan, Connecticut
New Fairfield Transfer Station	33 Bigelow Road, New Fairfield, Connecticut
New Haven Transfer Station	260 Middletown Road, New Haven, Connecticut
New London Transfer Station	63 Lewis Street, New London, Connecticut
New Milford Transfer Station	18 Young's Field Road, New Milford, Connecticut
Newtown Transfer Station	Ethan Allan Boulevard, Newtown, Connecticut
Norfolk Transfer Station	559 Greenwoods Road East, Norfolk, Connecticut
North Canaan Transfer Station	580 West Main Street, North Canaan, Connecticut
North Haven Transfer Station	1122 Universal Drive, North Haven, Connecticut
North Haven Transfer Station	24 Elm Street, North Haven, Connecticut
North Stonington Transfer Station	215 Winetchog Road, North Stonington, CT
Norwalk Transfer Station	61 Crescent Street, Norwalk, Connecticut
Norwich Transfer Station	73 Rogers Road, Norwich, Connecticut
Old Lyme Transfer Station	30 Short Hills Road, Old Lyme, Connecticut
Old Lyme Transfer Station	Four Mile River Road, Old Lyme, Connecticut
Old Saybrook Transfer Station	Middlesex Turnpike, Old Saybrook, Connecticut
Orange Transfer Station	617 South Orange Center Road, Orange, CT
Oxford Transfer Station	21 Great Oak Road, Oxford, Connecticut
Plainfield Transfer Station	54 Roode Road, Plainfield, Connecticut
Plainville Transfer Station	Granger Lane, Plainville, Connecticut
Plymouth Transfer Station	175 Old Waterbury Road, Plymouth, Connecticut
Portland Transfer Station	33 Sand Hill Road, Portland, Connecticut
Preston Transfer Station	Ross Road, Preston, Connecticut
Prospect Transfer Station	157 Plank Road, Prospect, Connecticut
Redding Transfer Station	84 Hopewell Woods Road, Redding, Connecticut
Ridgefield Transfer Station	55-59 South Street/Old Quarry Road, Ridgefield, CT
Roxbury Transfer Station	35 Lower County Rd, Roxbury, CT
Rocky Hill Transfer Station	Industrial Park Road, Rocky Hill, Connecticut
Rocky Hill Transfer Station	59 Old Forge Road, Rocky Hill, Connecticut
Salem Transfer Station	189 Rattlesnake Ledge Road, Salem, Connecticut
Salisbury/Sharon Transfer Station	309 Sharon Road, Salisbury, Connecticut
Seymour Transfer Station	116 Silvermine Road, Seymour, Connecticut
Shelton Transfer Station	866 River Road, Shelton, Connecticut
Simsbury Transfer Station	74 Wolcott Road, Simsbury, Connecticut
Somers Transfer Station	127 Egypt Road, Somers, Connecticut
Southbury Transfer Station	231 Kettletown Road, Southbury, Connecticut
South Windsor Transfer Station	Burgess Road, South Windsor, Connecticut

Southington Transfer Station	617 Old Turnpike Road, Southington, Connecticut
Sprague Transfer Station	112 Bushnell Hollow Road, Sprague, Connecticut
Stafford Transfer Station	80 Upper Road, Stafford, Connecticut
Stamford Transfer Station	1 Harbor View Avenue, Stamford, Connecticut
Stamford Transfer Station	Scofield Rd, Stamford, Connecticut
Sterling/Voluntown Transfer Station	514 Brown Road, Sterling, Connecticut
Stonington Transfer Station	151 Greenhaven Road, Stonington, Connecticut
Stratford Transfer Station	Watson Boulevard, Stratford, Connecticut
Suffield Transfer Station	2715 Mountain Road, Suffield, Connecticut
Thomaston Transfer Station	Old Waterbury Road, Thomaston, Connecticut
Thompson Transfer Station	Pasay Road, Thompson, Connecticut
MIRA Regional Transfer Station	Old Dump Road, Torrington, CT
Tolland Transfer Station	Old Stafford Road, Tolland, Connecticut
Trumbull/Monroe/Eason Transfer Station	101 Spring Hill Road, Trumbull, Connecticut
Union Transfer Station	1024 Buckley Highway, Union, Connecticut
Vernon Transfer Station	Hockanum Boulevard, Vernon, Connecticut
Wallingford Transfer Station	25 Pent Road, Wallingford, Connecticut
Washington Transfer Station	Clark Road, Washington, Connecticut
Waterbury Transfer Station	7 Mark Lane, Waterbury, Connecticut
Waterford Transfer Station	100 Hartford Road, Waterford, Connecticut
MIRA Regional Transfer Station	Echo Lake Road, Watertown, CT
Watertown Transfer Station	Old Baird Road, Watertown, Connecticut
Westbrook Transfer Station	154 McVeagh Road, Westbrook, Connecticut
West Hartford Transfer Station	25 Brixton Street, West Hartford, Connecticut
Westport Transfer Station	Sherwood Island Connector, Westport, Connecticut
Weston Transfer Station	237 Godfrey Road East, Weston, Connecticut
Wethersfield Transfer Station	100 Marsh Street, Wethersfield, Connecticut
Willington Transfer Station	60 Hancock Road, Willington, Connecticut
Wilton Transfer Station	Mather Street, Wilton, Connecticut
Windham Transfer Station	8 Industrial Park Road, Windham, Connecticut
Windsor Transfer Station	500 Huckleberry Road, Windsor, Connecticut
Windsor Locks Transfer Station	6 Stanton Road, Windsor Locks, Connecticut
Wolcott Transfer Station	48 Todd Road, Wolcott, Connecticut
Woodbridge Transfer Station	85 Acorn Hill Road, Woodbridge, Connecticut
Woodbury Transfer Station	22 Bacon Pond Road, Woodbury, Connecticut
Woodstock Transfer Station	Paine District Road, Woodstock, Connecticut



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**Northeast Region**

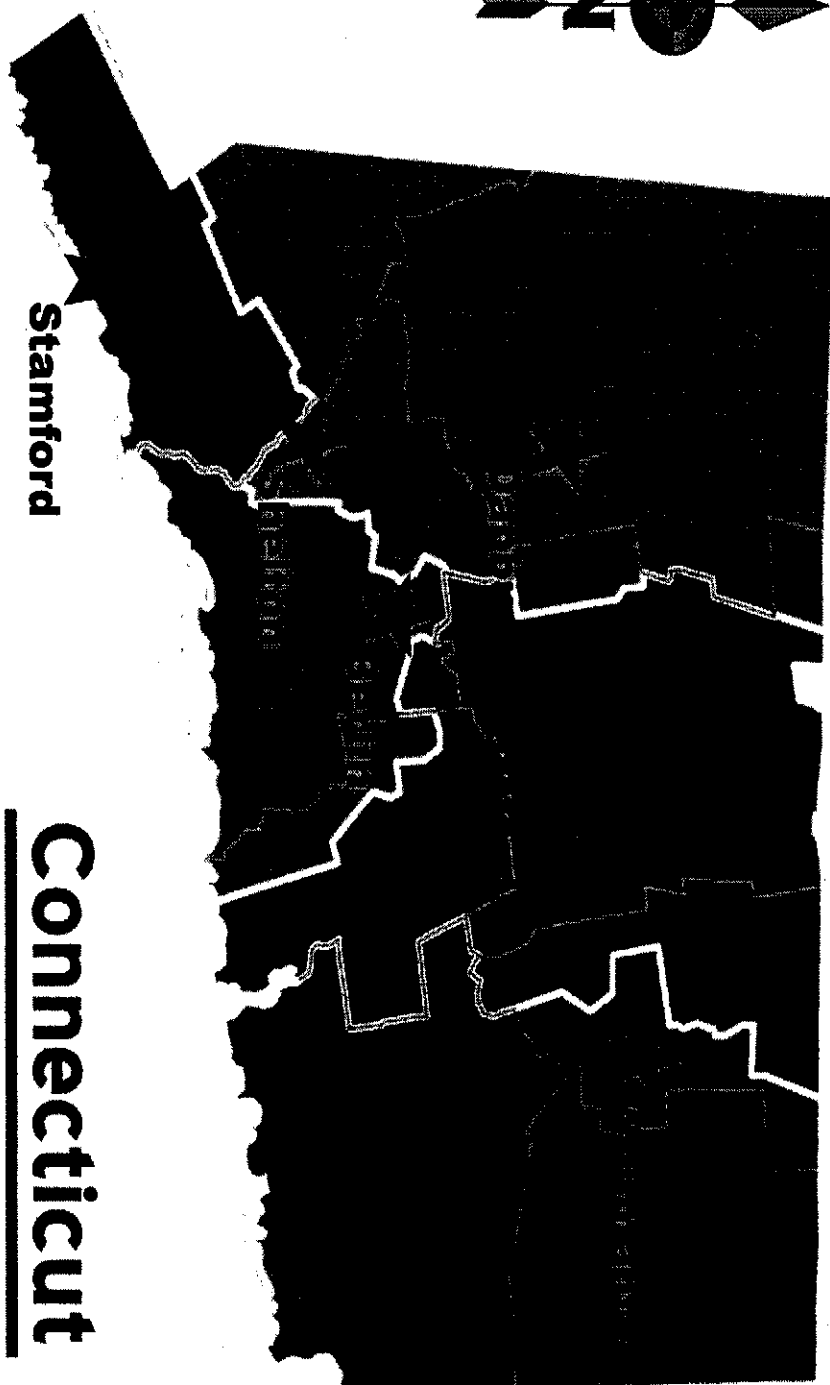
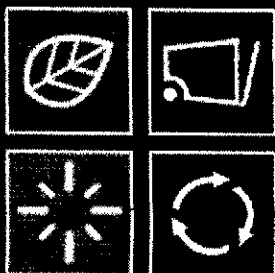
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Auburn, MA 01501  
T 508.839.4751 / 800.679.6263  
F 508.839.4761

## **CT Chapter, NWRA Packaging Task Force Exhibit #7**

### **2017 Recycling Facility Infrastructure Statewide Map**

**Source: CT Chapter, NWRA**

**September 2017**



**Stamford**

**Connecticut**



**Northeast Region**

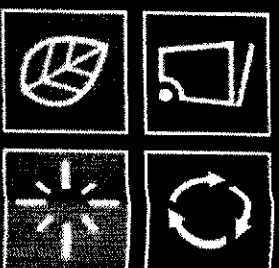
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## **CT Chapter, NWRA Packaging Task Force Exhibit #8**

### **2017 Recycling Facility Infrastructure Table**

**Source: CT Chapter, NWRA**

**September 2017**



Berlin Murphy Road Recycling 1000 ipd

1,000 ipd

Danbury Winters Brothers

500 ipd

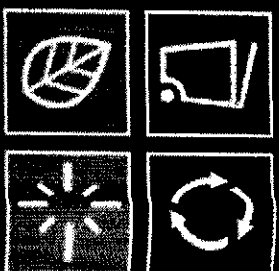
Hartford MIRA

500 ipd

Hartford Murphy Road Recycling

1,170 ipd

*continued*



Shelton Winiers Brothers

600ipcl

Siemford City Carlung

450ipcl

Williamatic Williamatic Waste

815ipcl

TOTAL 5,095ipcl

private

private

private



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**Northeast Region**

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## **CT Chapter, NWRA Packaging Task Force**

### **Exhibit #9**

## **CT Recyclables Quality Letter**

Source: CT Chapter NWRA

**September 2017**



September 11, 2017

Steve Changaris  
Regional Manager – Northeast Region  
482 Southbridge Street, Suite 373  
Auburn, MA 01501

Re: Rand Whitney Containerboard Mill, Montville CT

Dear Mr. Chengaris:

Rand-Whitney Containerboard (RWCB) is a manufacturer of high-quality, recycled lightweight linerboard. Conceived in the early 1990s, the operation focuses on being as sustainable as any linerboard mill in the world. RWCB manufactures its high-performance linerboard from 275,000 tons of 100 percent post-consumer waste fiber that would otherwise be sent to landfills or trash burning facilities and was the first to use 100 percent recycled process water from the municipal wastewater treatment plant.

RWCB purchases approximately 85,000 tons per year of high quality OCC from the CT MRF's. RWCB is very comfortable with the existing OCC supply base in CT. We have enjoyed a mutually beneficial relationship with the CT MRF's for many years. Please accept this letter as commitment from RWCB to continue to work with the CT MRF's on purchases of high quality OCC.

Sincerely,

Jeff Ryalls  
Vice President – Recycled Fibers  
The Kraft Group

**Rand-Whitney Containerboard**  
**P.O. Box 336**  
**370 CT-163**  
**Montville, CT 06353**



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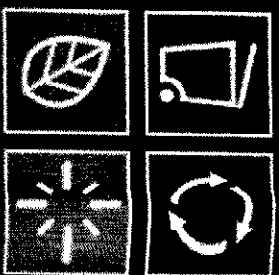
## **CT Chapter, NWRA Packaging Task Force**

### **Exhibit #10**

## **CT Big City Recycling Rates**

**Source: SERA Draft CT DEEP 2015 Report**

**September 2017**



## Recycling/Diversion Rates - CT's Big Cities

Stamford	37%
Hartford	20%
New Haven	16%
Bridgewater	15%
Waterbury	11%

Source: SEPA CT DEEP Draft Report 2015