

Construction and Demolition Waste Recycling Ordinance

**Libraries, Utilities and Center City
Council Committee
December 4, 2012**

Council Bill 117657 Overview

- Phased Disposal Bans for Targeted C&D waste materials in 2014 and 2015
- Facility Certification for C&D waste processors in 2014
- Reporting Requirements for all construction and demolition projects requiring a permit in 2014

Construction and Demolition Debris Universe

- **Usually handled separately from municipal solid waste (MSW)**
- **Most delivered to private transfer stations and recycling facilities not under City service contracts**
- **City policies and programs for C&D waste not included in City MSW recycling goals and programs**

C&D Destination (Tons per Year)

Destination	2007	2009	2011
Landfill <i>(includes landfill cover and waste stabilizer)</i>	415,800	288,550	296,900
Recycled	204,900	162,700	178,700
Beneficial Use <i>(wood processed into boiler fuel)</i>	9,700	10,400	8,800
Diversion	<u>52%</u>	<u>60%</u>	<u>63%</u>
<i>* The data does not include self-haul C&D materials to the City transfer stations</i>			

2011 Material Diversion Levels (Tons)

C&D Materials	Landfill	Recycle	Beneficial Use	Total	Diversion
Concrete*	8,088	147,839	0	155,927	95%
Clean Wood**	21,889	6,911	8,752	37,552	42%
Clean Gypsum**	4,044	16,033	0	20,077	80%
Demo Gypsum	18,670	0	0	18,670	0%
Treated Wood	13,202	1,123	0	14,325	8%
Roofing**	13,060	228	0	13,288	2%
Metals**	3,831	5,667	0	9,498	60%
Sand & Soil	5,325	0	0	5,325	0%
Hazardous	4,618	0	0	4,618	0%
Other C&D **	16,705	915	0	17,620	5%

*Concrete banned from disposal in 2012

** Clean Wood, gypsum, roofing, metals, cardboard, carpet, plastic film wrap targeted in proposed ordinance

C&D Waste Policy Development

- 2007 Council Zero Waste Initiatives
- Recycling Potential Assessment Options
- 2012 Disposal Bans effective on Asphalt Paving, Brick and Concrete
- 2013 Seattle Solid Waste Plan - 70% recycling goal for C&D waste based on RPA
- Legislation reflects elements from the Plan
- 2013 DPD - Building Code Amendments to include waste diversion plan and salvage assessment

Stakeholder Input

- **Extensive stakeholder work in 2010 – 2012**
(see attached handout)
- **Modified policy and legislation details based on input from construction trades, haulers and processors**
- **Stakeholder agreement on current proposed approach**

Proposed Legislation – Phased Landfill Disposal Bans (2012-2016)

Material	1/1/12	1/1/13	1/1/14	1/1/15	1/1/16
Asphalt Paving	Educate	Enforce			
Bricks & Concrete	Educate	Enforce			
Metal & Cardboard			Educate	Enforce	
Carpet			Educate	Enforce	
Plastic Film Wrap			Educate	Enforce	
New Gypsum Scrap			Educate	Enforce	
Clean Wood				Educate	Enforce
Asphalt Roofing				Educate	Enforce

Proposed Disposal Bans

- Schedule reflects revised timeline from Council and 2013 SPU budget cuts
- Bans effective for a year prior to any fines for non-compliance
- Civil infractions for non-compliance on generators in 2nd year of a ban
- Administrative Rulemaking option for delaying schedule if markets not available

Facility Certification

- **January 2014 – SPU to publish qualified facility list**
- **2013 Administrative Rulemaking**

Criteria to include

- ***Compliance with regulations***
- ***Quarterly reporting to SPU***
- ***Sampling of residuals for materials banned from landfill disposal***
- ***Achievement of minimum recycling levels by type may be proposed***

Diversion Report Requirement for Building Permit Applicants

- **As of January 2014 all projects submit an electronic Waste Diversion Report to DPD within 60 days of Final Inspection**
- **Documents tonnage and destination of materials**
- **Easiest path to compliance with disposal bans is through using qualified facilities**
- **Periodic audits may be conducted by SPU of reports**
- **January 2015 – civil penalty may be assessed for failure to report or comply with disposal bans**