

Construction & Demolition Materials
Recovery on the Jobsite
and Tracking Results

presented to

GreenGov. Symposium

October 7, 2010

Michael Deane

Vice President, Chief Sustainability Officer
Turner Construction Company



Turner

Turner Green Building Experience

Since 2000

- Over 450 Projects with Green Building Elements Completed or Under Construction
- 165 LEED Certified (\$7.3B, 30m sf)
- 190 LEED Registered (\$14.9B, 52m sf)
- Over 1100 LEED Accredited Professionals
- ENR's Top Green Contractor 2007, 2008, 2009

LEED WIP by Market Sector 2007 - 2009

<u>SECTOR</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>
(#1) Education	\$564m	\$870m	\$997m
(#1) Healthcare	\$262m	\$663m	\$993m
(#1) Commercial Office	\$481m	\$699m	\$505m
(#3) Government	\$184m	\$400m	\$445m

The Waste Tracking Challenge

Improve response, increase efficiency

- Hauler-centric
- On-line
- Automatic summary reporting
- Automatic notification throughout
- Real time data entry
- Embedded calculators
- Easier for all

What OWT can do

- Sort by material type and quantity, project type, location, size or hauler.
- Compare results of different haulers within one business unit or one hauler across several business units.
- Compare various regions of the country against each other for total recycling percentages or for ability to recycle a particular material.
- Compare projects by type, size or location.
- OWT fully complies with LEED reporting requirements.

Results to date

- Since 2005 we have documented the diversion of over 500,000 tons of waste from landfills.
- Our goal was a 50% diversion rate overall.
- Our reported overall diversion rate since 2005 is 70%.
- We typically receive reports from 75% of projects in construction each month (150 – 180 projects each month, over 400 discreet projects each year).

Future Goals

- Use data to benchmark current market performance. Then we can define performance “beyond business as usual” in terms of carbon emissions avoidance and (perhaps) monetize emissions reductions.
- Identify opportunities to eliminate waste by design, creating further emissions avoidance.
- Analyze the current state and potential of various markets in order to spur market development.

Why?

- Share data among interested parties for our mutual benefit.
- Use information to draw better conclusions about future actions.
- To do so we must agree on common metrics and standards so data can be aggregated to produce more meaningful information.



The Contractor's Perspective

What We Care About:

- Competitive Price
- Maximize diversion
- Accurate and Timely Reporting

Why We Care:

- It's the right thing to do
- It fulfills our environmental commitment
- Our clients demand it

What We Want

- Verifiable data – including chain of custody
- On site and off site separation capabilities – employ “hybrid” if possible for maximum diversion
- Rebates for high value waste streams (metal, etc)
- High degree of recycling (75% +) w/o cost premium
- Accurate report for MY job – not facility averages

What should agencies ask for when dealing with GCs to implement EO 13514?

- Experience
- A simple, project specific waste management plan
- Periodic reports (typically monthly)
- Project specific data (project info, material types, weight or volume, final destination, % recycled)
- Onsite verification / reality check by GC/CM
- Consider 3rd party verification of facilities

Rule #1 – What Gets Measured Gets Managed

- Ask for the data, it usually exists. If it doesn't, use someone else.

Rule #2 – All Waste is Local

- The ability to recycle is more dependent on the underlying market capacity than the efforts of any individual company.
- If there is no local market for recycled materials the best intentions will do little good.
- It is in your interest to develop the local market.

Rule #3 - Trust but Verify

- If it sounds too good to be true it probably is. Visit the facility – see what they do and how they do it.
- Talk to competitors. You can tell a lot about overall market performance if you talk to all the players.
- (In this regard, an independent 3rd party certification would be very beneficial).



How the system works

Address <http://www.turnertalk.com/MK/default.asp> Go Links >>

TurnerTalk

HOME ABOUT TURNERTALK COMPANY PARTNERS SECURITY

Turner, in partnership with **AEC Management Solutions**, utilizes **TurnerTalk** to provide unparalleled project management services in addition to exceptional real-time project team communications.

By providing both data management and document management from a single location, accessible to anyone, from anywhere, at anytime all parties involved in the design and construction process can communicate faster with increased accuracy and accountability.

TurnerTalk enables Turner staff and project team partners to collaborate and access project data over the Internet using only a secure browser connection, with no need for costly hardware or complicated software installations. Features such as the ability to upload, review and print project documents not only increase efficiency, but also reduce administrative costs.

Since its launch, **TurnerTalk** has grown to over 5500 named users, working together on programs ranging from less than \$1 million, to over \$500 million dollars.

Our software is hosted on state of the art hardware in a secure Qwest data center, coupled with the fact that the data is secured while traversing public networks using 128 bit SSL data and Citrix RC5 encryption making TurnerTalk one of the most secure web based project management systems available.

The **TurnerTalk** Help Desk is available for all members at no additional cost. This enables members to receive free technical support from Prolog Experts 12 hours a day, from 8am to 8pm EST, by utilizing the Toll Free Number at **866-275-5335 (option 9)** or via E-Mail at turnertalksupport@tcco.com.

PROVIDED BY

AEC Management Solutions

AEC MANAGEMENT SOLUTIONS

New Account

BECOME A MEMBER

List of Projects

Turner  Green Buildings Hello, Reviewer1! Today is
Monday, April 30, 2007

Monthly Waste Mgmt Report > Project Selection | Show Projects | Log Out |

HWBU Master Database

_9980H010 - Blue Hawk - Allen Brain Demo	<input type="button" value="Enter Hauler Information"/>	<input type="button" value="Review Hauler Information"/>
1119924 - Bluebird - Silvaris Self Perform	<input type="button" value="Enter Hauler Information"/>	<input type="button" value="Review Hauler Information"/>
1178200 - Pier 59 - Vertical Concrete	<input type="button" value="Enter Hauler Information"/>	<input type="button" value="Review Hauler Information"/>

Hotkeys: Use **Alt** + **Hotkey**, then **Enter** to activate | p = Show Projects | |l = Log Out|

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Ticket Entry Page

Turner Green Buildings
 Hello Scott, today's date is Wednesday, May 13, 2009
 Online Waste Tracking > Hauler Entry | Show Projects | Hauler Entry | Hauler Monthly Summary | Review Data | Reports | Log Out

Ticket Overview

CWM Contractor: Citywide Demolition & Rubbish Removal

Ticket/Container #: 0001

Haul Date: 04/01/2009

Unit of Measure: Tons

Project Information

Project Title: Saint Francis Hospital
 Project Address: 100 Port Washington Blvd. Roslyn, NY 11576
 Project Number: 9996C0
 Gross Sq. Ft: 0
 Building Type: Healthcare/Hospitals

Ticket Details

Comments:

Convert to (CuYd)	Material	Quantity (Tons)	Final Destination
Recycled			
1.56	Concrete/Masonry	1.09	Criminy Concrete, Bergen NJ
5	Metal	2.5	Martin's Metal and Studs
0	Wood	0	Select...
8	Paper	0.4	Pickett Paper Products
0	Gypsum	0	Select...
7.89	Other	1.38	DOT, State of NJ
Total Recycled		5.37	
Non-Recycled			
12	Non-Recycled Material	2.1	BFI Landfill in Ommegana, OH
Total Non-Recycled		2.10	
Total Waste			
		7.47 Tons	34.45 CuYd
Percent Recycled 71.89%			

Hauler Summary Page

Turner: Online Waste Tracking - Windows Internet Explorer
 http://owl.turnertalk.com/haulerSummary.aspx

Turner Green Buildings
 Hello Scott, today's date is Thursday, April 09, 2009

Online Waste Tracking > Hauler Monthly Summary Show Projects | Hauler Entry | Hauler Monthly Summary | Review Data | Reports | Log Out

Period & Hauler

CWM Contractor:

Monthly View:

Project Information

Project Title: Saint Francis Hospital
 Project Address: 100 Port Washington Blvd. Roslyn, NY 11576
 Project Number: 9996C0
 Gross Sq. Ft: 0
 Building Type: Healthcare/Hospitals

Ticket Summary

Approved Rejected Resubmitted Reversed Submitted Unsubmitted Re-Open Saved

Submit to Turner	Reviewer Comments	Status	Container#	Haul Date	Material Type	Tons	Cubic Yards
<input checked="" type="checkbox"/>		Unsubmitted	0001	4/1/2009	Concrete	1.09	1.56
					Metal	2.50	5
					Paper	0.40	8
					Other	1.38	7.89
					NonRecycled	2.00	11.43
		Submitted	0002	4/1/2009	Concrete	1.00	1.43
					Metal	1.00	2
					NonRecycled	2.00	11.43
<input checked="" type="checkbox"/>	Too much concrete for once container	Rejected	0004	4/1/2009	Concrete	99.00	141.43
					Metal	1.00	2
					Wood	1.00	6.67
		Approved	0003	4/1/2009	Concrete	2.50	3.57
					Metal	3.40	6.8
					NonRecycled	1.60	9.14

Monthly Summary

Material Type	Tons	Cubic Yards
Recycled		
Concrete	103.59	147.99
Metal	7.90	15.8
Wood	1.00	6.67
Paper	0.40	8
Gypsum	0.00	0
Other	1.38	7.89
Total Recycled	114.27	186.35
Non-Recycled		
Non-Recycled Material	5.60	32
Total Waste		
Total	119.87	218.35
Percent Recycled		
		95.33%

Prepared By

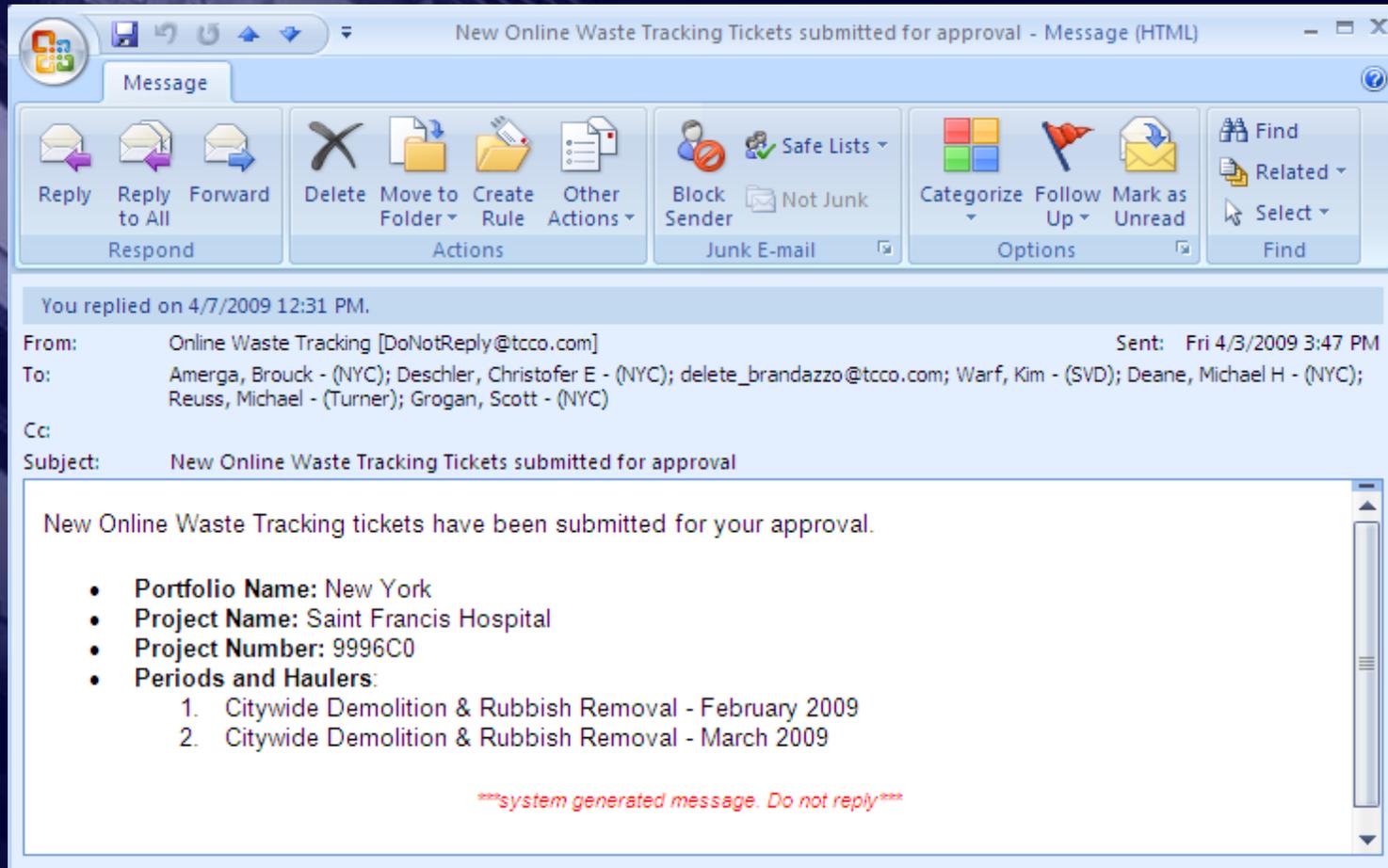
Date:

Name:

Title:

[Export Data](#)

Automatic Email to Jobsite Staff



Reviewer Page

Turner: Online Waste Tracking - Windows Internet Explorer
 http://owt.turnertalk.com/reviewData.aspx

Turner Green Buildings Hello Scott, today's date is Thursday, April 09, 2009

Online Waste Tracking > Review Data [Show Projects](#) | [Hauler Entry](#) | [Hauler Monthly Summary](#) | [Review Data](#) | [Reports](#) | [Log Out](#)

Period & Hauler

CWM Contractor:

Monthly View:

Project Information

Project Title: Saint Francis Hospital
 Project Address: 100 Port Washington Blvd. Roslyn, NY 11576
 Project Number: 9996C0
 Gross Sq. Ft: 0
 Building Type: Healthcare/Hospitals

Monthly Data

Approved Rejected Resubmitted Reversed Submitted Saved

Status	Status	Reviewer Comment	Container Number	Haul Date	Total Tonnage	Concrete Tonnage (Recycled)	Metal Tonnage (Recycled)	Wood Tonnage (Recycled)	Paper Tonnage (Recycled)	Gypsum Tonnage (Recycled)	Other Tonnage (Recycled)	Total Recycled	NonRecycled Tonnage	% Recycled	Hauler Comment	Submitted By	Submitted Title	Submitted Date
<input type="radio"/> Approve <input type="radio"/> Reject	Submitted		0002	4/1/2009	4.00	1.00	1.00	0.00	0.00	0.00	0.00	2.00	2.00	50.00		Scott Grogan	Field Engineer	4/9/2009
	Rejected	Too much concrete for once container	0004	4/1/2009	101.00	99.00	1.00	1.00	0.00	0.00	0.00	101.00	0.00	100.00		Scott Grogan	Field Engineer	4/9/2009
	Approved		0003	4/1/2009	7.50	2.50	3.40	0.00	0.00	0.00	0.00	5.90	1.60	78.67		Scott Grogan	Field Engineer	4/9/2009
					Total							108.90		97.00				

Verified By

Date:

Name:

Title:

OWT Report Generator

OWT_Temp1109091711 [Read-Only] - Microsoft Excel

Home Insert Page Layout Formulas Data Review View OWT

Show Import Pane Show All (Clear Filters) Options Show Report Pane About

Open Recents Add Line Items Show Ref Tables

Delete Lines

File Data Import Raw Data Sheet Setup Reports Info

A7 Non-Classified

territory	ProjectName	ProjectNumber	TypeOfBuilding	Udf_ProjectSquareFootage	prologCompanyName	containerNumber	HaulDate	Concrete	Metal	
Turner							OWT File Version: 1.1			
Online Waste Tracking							Last Import Date & Time: Nov 9, 2009 @ 5:10 PM			
Grand Totals:		Total Records: 38,049					Jan07 - Nov09	98,626	21,350	
Filtered Totals:		Records Shown: 38,049					Jan07 - Nov09	98,626	21,350	
Non-Classified	Project 1	1			-Bragger Associates Ltd.	20	3/25/2008	1.09	2.50	
Non-Classified	Project 1	1			-Bragger Associates Ltd.	12345	6/1/2008	0.70	0.50	
Non-Classified	Project 1	1			-Bragger Associates Ltd.	777	11/23/2008	1.00	1.00	
Non-Classified	Project 1	1			-Bragger Associates Ltd.	789	11/22/2008	1.00	1.00	
New York	John Jay College	1009			ella Trucking	11832	8/15/2008	-	0.89	
New York	John Jay College	1009			ella Trucking	11930	8/19/2008	0.41	-	
New York	John Jay College	1009			ella Trucking	12549	8/25/2008	1.21	-	
New York	John Jay College	1009			ella Trucking	13082	8/29/2008	3.70	-	
New York	John Jay College	1009			ella Trucking	15059	9/12/2008	2.37	-	
New York	John Jay College	1009			ella Trucking	16283	9/25/2008	-	1.29	
New York	John Jay College	1009			ella Trucking	17100	10/3/2008	0.57	1.14	
New York	John Jay College	1009			ella Trucking	18309	10/14/2008	-	1.43	
New York	John Jay College	1009			ella Trucking	19024	10/21/2008	-	1.34	
New York	John Jay College	1009			ella Trucking	19537	10/24/2008	1.06	-	
New York	John Jay College	1009			ella Trucking	20107	10/29/2008	3.96	1.98	
New York	John Jay College	1009			ella Trucking	20419	10/31/2008	-	1.15	
New York	John Jay College	1009			ella Trucking	21468	11/10/2008	-	-	
New York	John Jay College	1009			ella Trucking	21743	11/12/2008	0.71	-	
New York	John Jay College	10090MO			Cardella Trucking	22231	11/17/2008	-	-	
New York	John Jay College	10090MO			Cardella Trucking	22232	11/17/2008	-	-	
New York	John Jay College	10090MO			Cardella Trucking	22433	11/19/2008	-	-	
New York	John Jay College	10090MO			Cardella Trucking	22535	11/19/2008	0.29	0.29	
New York	John Jay College	10090MO			Cardella Trucking	22845	11/21/2008	-	-	
New York	John Jay College	10090MO			Cardella Trucking	23057	11/25/2008	-	-	
New York	John Jay College	10090MO			Cardella Trucking	23558	12/2/2008	-	-	
New York	John Jay College	10090MO			Cardella Trucking	23809	12/4/2008	-	0.03	
New York	John Jay College	10090MO			Cardella Trucking	23813	12/3/2008	-	2.34	
New York	John Jay College	10090MO			Cardella Trucking	24010	12/5/2008	1.72	0.29	
New York	John Jay College	10090MO			Cardella Trucking	24299	12/9/2008	-	0.12	
New York	John Jay College	10090MO			Cardella Trucking	24545	12/11/2008	-	0.27	
New York	John Jay College	10090MO			Cardella Trucking	26571	1/6/2009	-	0.34	
New York	John Jay College	10090MO			Cardella Trucking	26610	1/6/2009	-	0.16	

Raw Data

OWT: Initializing OWT Workbook...

100%

Types of Reports:

- Narrative Summary
- Corporate Summary
- Business Unit Report
- Project Lifetime Report
- Hauler Report

OWT: Generate Report

Available Reports:

- Narrative Summary
- Corp Summary
- Business Unit
- Project Lifetime
- Hauler

Source Raw Data

All Filtered data (will exclude hidden rows)

Time Frame (filters based on HaulDate)

All

From 1/ 1/2009 to: 11/ 9/2009

Report title area text (optional):

October

Target Report Location

New workbook Active workbook

Business Unit Report Options

Each Business Unit on its own report sheet

All Business Units on the same report sheet

Report title area text (optional):

cardella's projects

Narrative Summary Report Options

Data Date Month Oct 2009

Run Reports

Narrative Summary

Online Waste Tracking - Narrative Summary Report

Turner

Run Date: Nov 9, 2009

► Sep 2009

For the month of Sep 2009 Turner Construction Company reported on 154 projects in 34 business units. Nationally we reported disposal of a total of 11,294 tons of construction and demolition waste, of which 9,092 tons were diverted from landfills, yielding a total waste diversion percentage of 80.5%.

Diverted materials included 3,310 tons of concrete, 1,385 tons of metal, 1,348 tons of wood, 253 tons of paper/cardboard, 642 tons of gypsum, and 2,154 tons of other material. For this period the total landfill (non-recycled) amount was 2,202 tons.

In Sep, of the 154 projects reporting, 143 projects (92.9%) diverted some waste from landfills. The remaining 11 projects (7.1%) diverted no waste.

► 2009 Year to date

From January through Sep 2009, a total of 284 projects in 41 business units have reported waste management activity for one or more months. Nationally we have reported disposal of 110,102 tons of construction and demolition waste, of which 86,298 tons were diverted from landfills, yielding a total waste diversion percentage of 78.4%.

Diverted material included 37,000 tons of concrete, 10,071 tons of metal, 13,478 tons of wood, 2,792 tons of paper/cardboard, 5,307 tons of gypsum, and 17,651 tons of other material. A total of 23,804 tons of residual waste were sent to landfills.

Please note: These results may not accurately reflect overall company performance for all projects, as not all active projects are reporting. Actual overall diversion rates may be better or worse than reported. Results from prior months sometimes change as new information is reported. Year to date data reflect updated information from jobsites for prior months.

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Corporate Summary

Turner

Online Waste Tracking - Corporate Summary Report

Run Date: Nov 9, 2009

Data Period: Sep-09

Business Unit		Hauler	Projects			Recycled Tonnage							Non-Recycled Tonnage	Total Tonnage	Percent Recycled
Project No.	Project Name		Resolving / Reporting	/ All	Concrete	Metal	Wood	Paper	Gypsum	Other	Total				
34 Bus. Units and 154 Projects			143	/ 154	/ 0	3,383.3	1,383.4	1,347.7	252.9	642.3	2,153.7	3,831.3	2,202.2	11,293.8	81%
▶	Atlanta		4	/ 5	NA	82.3	15.2	38.6	-	-	141.7	277.8	246.9	524.7	53%
▶	Boston		12	/ 12	NA	25.2	12.5	74.4	5.8	7.1	111.0	236.0	55.0	291.0	81%
▶	Carolinas		3	/ 3	NA	127.4	22.5	29.8	2.1	4.9	-	186.8	29.0	215.8	87%
▶	Charlotte		1	/ 1	NA	7.3	25.2	11.8	-	53.7	-	98.0	28.1	126.1	78%
▶	Chicago		8	/ 8	NA	23.7	47.7	68.5	15.0	9.1	44.9	208.8	24.8	233.5	89%
▶	Cincinnati		12	/ 12	NA	746.9	34.0	46.3	4.9	-	3.6	835.7	89.1	924.7	90%
▶	Cleveland		0	/ 1	NA	-	-	-	-	-	-	-	32.9	32.9	0%
▶	Connecticut		9	/ 9	NA	132.1	63.6	76.0	29.8	-	1,061.0	1,362.5	203.6	1,566.1	87%
▶	Dallas		2	/ 4	NA	-	-	5.7	-	6.4	-	12.1	103.9	116.1	10%
▶	Denver		2	/ 3	NA	78.8	-	-	-	-	-	78.8	37.9	116.7	68%
	1598000	Erie Community Park	Allied Waste Services			-	-	-	-	-	-	-	7.8	7.8	0%
	1603000	General Dynamics IT NDC	Allied Waste Services			2.0	-	-	-	-	-	2.0	4.2	6.2	32%
	1583600	Sprouts Centennial Site at	Allied Waste Services			76.8	-	-	-	-	-	76.8	25.9	102.7	75%
▶	Detroit		3	/ 3	NA	2.3	0.8	3.4	1.9	5.5	7.4	21.2	3.4	24.6	86%
▶	Houston		1	/ 1	NA	22.7	-	13.3	-	-	0.6	36.6	18.4	55.0	67%
▶	Huntsville		1	/ 1	NA	36.7	52.4	57.2	10.7	26.2	26.0	209.1	9.1	218.2	96%
▶	Indianapolis		1	/ 1	NA	-	1.8	-	-	3.3	-	5.1	37.7	42.8	12%
▶	Los Angeles		2	/ 2	NA	2.2	3.6	7.7	-	1.2	31.1	45.8	13.8	59.6	77%
▶	Miami		3	/ 3	NA	199.5	50.5	125.0	10.5	-	-	385.5	54.4	439.9	88%
▶	Nashville		2	/ 2	NA	42.5	31.0	3.5	1.6	-	128.1	206.7	53.9	260.6	79%
▶	New York		13	/ 13	NA	210.0	81.4	182.9	52.6	68.3	1.3	596.4	120.9	717.3	83%
▶	New York - Interiors		15	/ 15	NA	106.3	85.9	43.8	16.8	24.2	6.9	283.9	32.7	316.6	90%
▶	Non-Classified		1	/ 1	NA	14.9	0.3	9.6	-	-	3.1	27.8	17.9	45.7	61%
▶	Oakland		1	/ 1	NA	-	-	44.9	-	-	68.3	113.2	-	113.2	100%
▶	Orlando		0	/ 1	NA	-	-	-	-	-	-	-	5.3	5.3	0%
▶	Philadelphia		3	/ 4	NA	13.9	35.1	49.3	14.4	73.1	90.2	276.1	176.6	452.7	61%
▶	Phoenix		1	/ 2	NA	-	1.6	-	-	-	-	1.6	11.6	13.2	12%
▶	Pittsburgh		2	/ 3	NA	3.1	2.8	5.4	-	5.6	2.3	19.2	37.8	57.0	34%
▶	Portland		1	/ 1	NA	-	5.5	8.0	2.1	-	2.2	17.8	3.3	21.1	84%
▶	Sacramento		5	/ 5	NA	-	16.9	22.1	8.6	23.3	22.6	93.5	41.1	134.5	69%
▶	San Diego		3	/ 3	NA	440.1	-	-	-	7.1	93.1	540.3	145.9	686.2	79%
▶	San Jose		4	/ 4	NA	33.3	11.9	31.7	4.6	4.8	8.7	94.9	8.7	103.6	92%
▶	Seattle		6	/ 6	NA	647.5	49.5	13.4	-	41.9	200.7	952.9	29.1	982.0	97%
▶	SoCal		4	/ 5	NA	24.0	5.1	29.1	5.8	3.7	59.2	127.0	130.4	257.3	49%
▶	Somerset		7	/ 7	NA	28.8	10.0	45.6	7.3	58.1	0.3	149.9	88.4	238.3	63%
▶	Tompkins Builders		5	/ 5	NA	213.5	147.6	270.4	51.8	186.4	28.1	897.8	254.5	1,152.3	78%
▶	Washington DC		6	/ 7	NA	44.6	571.4	30.4	6.4	28.6	11.5	692.9	56.3	749.2	92%

Turner

Business Unit Report



Online Waste Tracking - Business Unit Report

Run Date: Nov 9, 2009

Chicago		Prior Years	2009 Tonnage													
Project Info	Category	Tonnage	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2009	Grand Total
Totals	Total Recycled	8,870	683	320	320	226	119	143	217	127	209	146	-	-	2,509	11,379
	Non-Recycled	882	75	61	58	46	30	28	38	28	25	16	-	-	405	1,286
	Recycled + Non-Recycled	9,752	758	381	378	272	149	171	255	155	234	162	-	-	2,914	12,666
	Percent Recycled	91.0%	90.1%	84.1%	84.7%	83.1%	80.1%	83.5%	85.0%	82.0%	89.4%	90.0%	-	-	86.1%	89.8%
► CH1 Northlake Data Center																
	Non-Recycled	231.9	29.5	20.2	16.0	13.3	5.0	7.2	9.7	4.2	1.8	-	-	-	106.8	338.7
	Subtotal Recycled + Non-Recycled	2,602.0	77.7	92.6	66.7	47.0	28.3	54.4	74.3	37.1	22.9	-	-	-	500.9	3,102.8
	Percent Recycled	91.1%	62.0%	78.2%	76.1%	71.7%	82.3%	86.8%	87.0%	88.7%	92.1%	-	-	-	78.7%	89.1%
► Wheaton College																
	Non-Recycled	3.6	0.5	0.7	1.2	2.9	5.8	4.7	2.9	11.8	7.4	-	-	-	37.9	41.5
	Subtotal Recycled + Non-Recycled	22.1	4.7	1.9	7.6	9.4	20.7	36.5	29.5	49.0	59.6	-	-	-	218.8	240.9
	Percent Recycled	83.8%	89.2%	65.1%	84.0%	69.1%	71.9%	87.1%	90.0%	75.9%	87.6%	-	-	-	82.7%	82.8%
► U of C - Edelstone Hall Renovation																
	Non-Recycled	-	-	-	-	-	-	0.6	0.5	0.2	-	-	-	-	1.3	1.3
	Subtotal Recycled + Non-Recycled	-	-	-	-	-	-	6.4	3.9	3.2	-	-	-	-	13.5	13.5
	Percent Recycled	-	-	-	-	-	-	90.0%	88.0%	93.5%	-	-	-	-	90.3%	90.3%
► Peregrine																
	Non-Recycled	-	-	-	-	-	-	-	1.1	3.1	-	-	-	-	4.2	4.2
	Subtotal Recycled + Non-Recycled	-	-	-	-	-	-	-	12.5	9.1	-	-	-	-	21.5	21.5
	Percent Recycled	-	-	-	-	-	-	-	91.6%	65.5%	-	-	-	-	80.5%	80.5%
► CME Redevelopment Project																
	Non-Recycled	142.0	15.3	2.8	6.1	2.1	-	0.6	-	-	-	-	-	-	26.9	168.9
	Subtotal Recycled + Non-Recycled	4,621.6	406.9	84.9	130.7	42.7	-	3.0	-	-	-	-	-	-	668.2	5,289.8
	Percent Recycled	96.9%	96.2%	96.7%	95.3%	95.0%	-	79.4%	-	-	-	-	-	-	96.0%	96.8%



Project Lifetime Report



Online Waste Tracking - Project Lifetime Report

Run Date: Nov 9, 2009

Project						Recycled Tonnage							Non-Recycled	Total	Percent
No.	Name	Territory	Building Type	Sq Ft	Hauler	Concrete	Metal	Wood	Paper	Gypsum	Other	Total	Tonnage	Tonnage	Recycled
Totals for 403 Projects:				6,811,357		99,626.0	21,349.9	61,716.9	7,016.7	8,971.4	59,946.5	257,527.4	50,141.0	307,668.4	84%
1525900	E.M. Dirksen U.S. Courthouse	Chicago	Courthouses	1,300,000	Integrational Energy Services, Inc.	18.2	71.7	16.8	2.5	5.0	14.0	128.1	4.4	132.5	97%
13943D0	Fort Knox HRCOE	Huntsville	Public/Other Gov Serv	886,000	Green City Recycling, LLC	678.6	355.8	443.0	165.5	502.9	207.8	2,353.6	323.9	2,677.5	88%
1597100	CIN SPD Queen City Square Ge	Cincinnati		800,000	On Demand Container	32.2	13.0	51.8	3.3	-	1.4	101.7	2.5	104.1	98%
1435000	Fan Pier - Building F	Boston		671,000	J. Derenzo Company	2,369.3	700.9	541.1	22.2	145.2	7,230.9	11,009.6	372.2	11,381.8	97%
1307100	Mass General B3C	Boston	Healthcare/Hospitals	516,000	Allied Waste Services	23.2	10.0	12.9	1.4	5.9	475.0	528.5	92.1	620.6	85%
1355600	New MTMC	Nashville	Healthcare/Hospitals	500,000	Waste Management	435.7	267.1	-	4.3	-	1,163.3	1,870.4	553.0	2,423.4	77%
1583100	Harrah's Cherokee Hotel Tower	Carolinas	Hotel/Resort	456,587	Owle Container, Inc.	17.1	28.9	24.0	7.1	-	-	77.1	35.9	113.0	68%
1403400	Evergreen Solar Project	Boston	Mfg/Plants	420,000	Waste Solutions, Inc.	921.6	265.5	883.9	0.2	-	56.9	2,128.0	263.0	2,391.0	89%
1382000	Harvard's Allston Science Compl	Boston	HT/Labs/Testing/R&D	270,000	Jet-a-way, Inc.	298.6	41.0	277.5	10.7	-	551.6	1,179.3	159.5	1,338.8	88%
1257300	BUMC - Building F	Boston		197,000	Charles George Trucking Co., Inc.	134.9	63.6	106.5	7.9	51.2	66.1	430.2	175.9	606.1	71%
1406100	Brazos County Jail Expansion	Houston	Justice/Jails	146,800	We-Rent-It	233.2	9.1	51.8	-	-	10.3	304.3	62.0	366.3	83%
14002A0	Genzyme Allston	Boston	HT/Pharm/Biotech Lat	128,310	Charles George Trucking Co., Inc.	204.3	26.1	341.7	52.1	-	78.0	702.1	25.7	727.8	96%
1575200	Deloitte Phase 2A	Boston	Comm/Interiors/Tenan	90,000	Charles George Trucking Co., Inc.	4.8	6.4	17.2	1.3	8.4	36.3	74.3	21.5	95.8	78%
1524200	NCRC - Rowan Cabarrus Comn	Carolinas	Pharma/R&D Lab	67,209	Republic Services, Inc.	56.7	15.0	12.7	0.5	10.5	-	95.5	26.8	122.3	78%
1557100	Federal Reserve Bank NY 33MI	New York - Interiors	Comm/Interiors/Tenan	60,000	Rite-Way Interiors Removal Inc.	-	-	-	-	-	43.8	43.8	-	43.8	100%
1554600	Mullen Communications	Boston		60,000	Charles George Trucking Co., Inc.	43.9	2.0	15.9	1.6	0.5	28.9	92.7	5.4	98.1	94%
1590200	Deloitte Phase 2B	Boston		54,000	Charles George Trucking Co., Inc.	2.6	3.0	8.0	0.5	3.5	20.0	37.6	10.9	48.4	78%
14202	Seaport Hotel Renovations	Boston		50,000	Charles George Trucking	4.0	3.9	7.6	0.4	2.9	34.2	53.0	21.8	74.9	71%
1583300	BISD Multi Purpose Athletic Com	Houston	Amuse/Stadiums (Incl	48,800	Triangle Waste	-	-	10.5	-	-	-	10.5	3.5	14.0	75%
1588400	Chula Vista High School Project	San Diego	Edu/K-12	31,650	Casper Company	1,621.4	-	-	-	-	93.5	1,714.9	145.9	1,860.7	92%
1551200	Deloitte -7th Floor	Boston		29,000	Jet-a-way, Inc.	3.1	5.8	7.3	0.8	-	7.1	24.0	-	24.0	100%
1517000	BIDMC - Generator Plant #2A	Boston	Healthcare/Hospitals	15,000	Charles George Trucking Co., Inc.	3.8	3.2	3.5	0.1	0.7	47.2	58.4	16.5	75.0	78%
1587300	1700 Broadway Lobby Renovat	New York - Interiors	Comm/Interiors/Tenan	5,000	Remax Removall Bussn Expans, Inc.	6.5	1.4	1.1	0.6	1.2	-	10.8	1.7	12.5	87%
1516900	New England Aquarium Marine I	Boston	Amuse/Aquariums/Zoc	5,000	Charles George Trucking Co., Inc.	673.4	49.3	48.7	3.1	20.5	90.3	885.2	58.8	944.0	94%



Hauler Report

Turner

Online Waste Tracking - Hauler Report

Run Date: Nov 9, 2009

Boston		Prior Years	2009 Tonnage													
Hauler Info	Category	Tonnage	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2009	Grand Total
Totals	Total Recycled	14,314	373	589	496	512	352	416	406	387	236	-	-	-	3,767	18,081
	Non-Recycled	785	71	76	64	60	77	72	66	65	55	-	-	-	606	1,391
	Recycled + Non-Recycled	15,099	443	665	560	572	429	489	472	453	291	-	-		4,373	19,472
	Percent Recycled	94.8%	84.1%	88.6%	88.6%	89.5%	82.0%	85.2%	86.0%	85.5%	81.1%	-	-		86.1%	92.9%
▶ Charles George Trucking																
	Non-Recycled	37.4	1.7	1.4	-	-	-	-	-	-	-	-	-	-	3.1	40.4
	Subtotal Recycled + Non-Recycled	155.8	7.8	6.3	-	-	-	-	-	-	-	-	-	-	14.1	169.8
	Percent Recycled	76.0%	78.1%	78.0%	-	-	-	-	-	-	-	-	-	-	78.0%	76.2%
▶ United Waste Management, Inc.																
	Non-Recycled	-	-	-	-	-	-	12.7	5.2	10.4	13.5	-	-		41.7	41.7
	Subtotal Recycled + Non-Recycled	-	-	-	-	-	-	79.5	22.5	53.5	67.4	-	-		222.9	222.9
	Percent Recycled	-	-	-	-	-	-	84.1%	77.0%	80.5%	80.0%	-	-		81.3%	81.3%
▶ Charles George Trucking Co., Inc.																
	Non-Recycled	379.7	55.6	49.3	48.8	44.6	54.2	45.6	36.0	29.5	39.1	-	-		402.6	782.3
	Subtotal Recycled + Non-Recycled	2,394.5	280.3	328.5	300.3	355.7	298.5	272.3	302.5	228.4	212.1	-	-		2,578.6	4,973.1
	Percent Recycled	84.1%	80.2%	85.0%	83.7%	87.5%	81.9%	83.3%	88.1%	87.1%	81.6%	-	-		84.4%	84.3%
▶ Jet-a-way, Inc.																
	Non-Recycled	79.7	-	10.1	-	5.6	12.3	0.6	8.3	-	-	-	-		36.9	116.6
	Subtotal Recycled + Non-Recycled	370.3	43.5	152.0	123.6	92.2	64.0	3.7	36.2	-	-	-	-		515.3	885.6
	Percent Recycled	78.5%	100.0%	93.4%	100.0%	93.9%	80.8%	82.9%	77.0%	-	-	-	-		92.8%	86.8%
▶ Allied Waste Services																
	Non-Recycled	43.9	6.1	4.2	9.5	7.6	7.2	10.3	16.1	24.3	-	-	-		85.2	129.1
	Subtotal Recycled + Non-Recycled	355.4	50.8	117.4	95.9	63.1	48.9	109.5	108.4	164.7	-	-	-		758.7	1,114.0
	Percent Recycled	87.7%	88.0%	96.4%	90.1%	88.0%	85.3%	90.6%	85.2%	85.2%	-	-	-		88.8%	88.4%





Any questions please send me an email
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Turner