

# Managing Food Waste at Large Facilities

September 12, 2017

CT Green Lodging certification, Connecticut requirements and examples of food waste diversion at two hotels, and Making Energy from Food Waste.

# Agenda

- ▶ Kim Trella, CT Green Lodging, CT DEEP
- ▶ Managing Food Waste Helps Certify Your Hotel
  
- ▶ Caren Harder, Recycling, CT DEEP
- ▶ Organic Recycling in Connecticut
  
- ▶ John Ferguson, Quantum Biopower
- ▶ Making Energy with Food Waste
  
- ▶ Questions & Answers



# CT Green Lodging is a Partnership

- ▶ The Department of Energy and Environmental Protection and the Connecticut DECD Office of Tourism joined to:
- ▶ Promote the use of “green” practices by hoteliers
- ▶ Provide free publicity for those hotels that become certified with listings on the DEEP and DECD Tourism websites
- ▶ List the CT Green Lodging hotels on AAA, Travelocity

# Advantages of Certification

Greening your hotel, motel or B & B is good for business!

Save money through better efficiency

Create a healthier workplace for employees

As people try to live a more "green" lifestyle, they seek to support "green" businesses

# Food Waste Collection Helps with Certification

As a new program, additional points have been added to the online CT Green Lodging workbook for the management of food waste separate from the hotel's waste stream.

# A few of our certified hotels

- ▶ They range from a B&B to the two largest hotels in CT
- ▶ How they certify varies depending of what they offer:
  - ▶ Some are more “living off the land” hotels/inns that grow food and keep bees
  - ▶ Some are highly energy efficient
  - ▶ Some are rural and others urban
  - ▶ There are 14 different areas in which to earn points

## Sheraton Hartford South, Rocky Hill



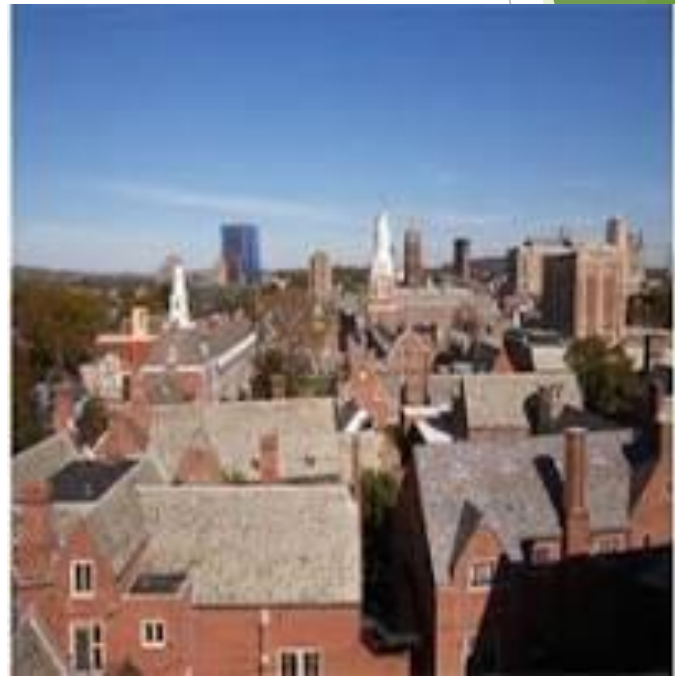


# Saybrook Point Inn, Old Saybrook





## The Study at Yale, New Haven



## The Inn at Woodstock Hill, Woodstock





## Mohegan Sun, Uncasville



## How It Works

You self-certify your hotel based on points associated with environmental practices at your facility.

The points are documented by you in the Connecticut Green Lodging Self-Certification Workbook.

Certification is awarded when you reach 100 points or more upon return and scoring of your workbook.

Free assistance is available to help you...



Your Hotel  
Anytown, CT

**Has Been Certified As A Connecticut Green Lodging  
Facility, June 2016 – June 2018**

Robert Klee, Commissioner  
Connecticut Dept. of Energy and Environmental  
Protection



Randall Fiveash, Director of Tourism  
Connecticut Dept. of Economic and Community  
Development



# How do I Certify My Hotel?

- ▶ Entire process is done online to make it simple
- ▶ Go to [www.ct.gov/deep/greenlodging](http://www.ct.gov/deep/greenlodging)
- ▶ Click on workbook
- ▶ Complete each section as far as what practices you are currently using and/or equipment that you have

# How does Managing Food Waste Help in Certifying My Hotel?

## ► Sample section - Kitchen and Food

11.6	Donate food to soup kitchen/charity. Please describe:	Up to 10	0	
11.7	Heat recovery from refrigeration systems	10	0	
11.8	LED lighting in refrigerator instead of fluorescent tubes	5	0	
11.9	<p>Food Waste Diversion Program (creation of program - 10 points)            Commercial Organics Recycling Law: for more information, go to <a href="http://www.ct.gov/deep/cwp/view.asp?a=2718&amp;q=552676&amp;deepNav_GID=1645">http://www.ct.gov/deep/cwp/view.asp?a=2718&amp;q=552676&amp;deepNav_GID=1645</a></p> <p>The law states that if you are a resort or conference center, and you generate 104 or more tons per year of source separated organic material (food waste), and you are located within 20 miles of a permitted facility, then you must ensure that those materials are diverted and not disposed in the trash.</p>	10	0	Tons/year: 0
11.10	Other. Please describe.	Negotiable	0	
11.11	Add up your points for Section 11: Kitchen and Food		0	



# How do I Certify My Hotel?

► Sample section - Energy

12.7c	Low E or thermo pane windows on <b>50 - 75%</b> of property	1	0	
12.8	Vending Misers on vending machines. Enter approximate number in the description.	Up to 10 points	0	0 Enter approx. number
12.9	Natural light substituting for electrical light, or use of the daytime dimming sensor. Describe:	Up to 5 points	5	Light levels in lobby are adjusted manually to compensate for abundance of natural light from floor-to-ceiling glass walls
12.10	Hybrid vehicle for business.	10	10	NEW 2014 - hotels offers guests complimentary use of bicycles (as an alternative to taxi/livery service around town). See attached brochure

read...rest...reflect<sup>®</sup>  
...and ride

Ask an agent about borrowing a Study bicycle.



## Always Remember...

...wear your helmet

...ride with traffic

...don't ride on sidewalks

...lock your bike

...use your lights

...signal your turns

...ride **safe!**

## Need Help?

If any type of accident occurs, call 911 right away.

Flat tire? Malfunction? Visit these local bike shops for assistance:

The Devil's Gear  
151 Orange Street  
Between Chapel St. + Elm St.

College Street Cycles  
252 College Street  
Between Chapel St. + Crown St.

## Check It Out!

**Grove Street Cemetery**  
York St. at Grove St.  
0.5 miles away

**Women's Table Monument**  
Entrance directly across from the top of High St. at Elm St.  
0.6 miles away

**Wooster Square**  
Chapel St. at Academy St.  
1.4 miles away

**Edgerton Park + Greenhouse**  
Whitney Ave. at Cliff St.  
2.7 miles away

THE **study**  
AT YALE

1157 Chapel Street  
Between York St. + Park St.  
203-503-3900



# Sample - Green Meetings

#	Initiative	Enter Yes or No	Enter comments or description
14.1	Administrative/ registration.		
14.1a	Communicate via e-mail rather than traditional mail or memos	Yes	
14.1b	Use an online registration system	Yes	NEW 2014
14.1c	All documents are copied double-sided	Yes	NEW 2014 - unless requested otherwise by group contact
14.1d	Provide participants opportunity to recycle conference materials	Yes	
14.1e	Print on recycled paper.	No	
14.1f	Publish the registration brochure online only. At most, send a postcard with the date steering attendees to a web site	Yes	
14.1g	Do not hand out give-aways.	Yes	
14.2	Food and Consumables.		
14.2a	Use of local food as much as possible.	Yes	
14.2b	Compost organic kitchen wastes for use as soil amendment in gardens or for farm animal feed	No	
14.2c	Serve items such as cream and sugar in bulk containers	No	
14.2d	Provide water in pitchers instead of bottled water	Yes	Unless bottled water is requested
14.2e	Use re-usable cups, plates utensils, no disposables	Yes	
14.2f	Donate consumable items to a local food bank	Yes	NEW 2014
14.2g	Use cloth instead of paper napkins.	Yes	
14.2h	Use reusable cutlery instead of plastic utensils		
14.3	Other. Please describe.	Yes	NEW 2014 - in answer to question 14.2h (per Kim Trella)

# Sample - Scoring Totals

Estimated Score By Section		
The final score is determined by the Office of Pollution Prevention Program Manager.		
SECTION	SELF SCORE	For DEP use only. FINAL SCORE
Section 1: Business and Contact Information		
Section 2: Administrative Offices	9	0
Section 3: Housekeeping	28	0
Section 4: Waste Management	40	0
Section 5: Landscaping and Maintenance	20	0
Section 6: Heating, Ventilation and Air Conditioning	57	0
Section 7: Swimming Pools and Spas	0	0
Section 8: Guest and Staff Rooms	14	0
Section 9: Water Conservation	13	0
Section 10: Education	0	0
Section 11: Kitchen and Food	24	0
Section 12: Energy	54	0
Section 13: Other Initiatives	0	0
Section 14: Conferences and Green Meetings	10	0
Section 15: Measurement	12	0
<b>Total Estimated Points</b>	<b>281</b>	<b>0</b>

# Managing Food Waste Adds Points Towards Certifying your Hotel

CT Green Lodging, Kim Trella

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Environmental Protection,

Pollution Prevention Supervisor

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