## **Environmental Leader Self-Certification Workbook**



# **Grocery Stores**



Updated: January 2013

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION 17 State House Station | Augusta, Maine 04330-0017 www.maine.gov/dep | (800) 452-1942

### Maine's Environmental Leader Certification Grocery Businesses

### BECOME AN ENVIRONMENTAL LEADER AND RECEIVE BENEFITS

Become a certified Environmental Leader in the grocery sector and receive free **benefits**:

- Environmental Leader logo to display at your property and use for advertising (web site, literature, decals, etc.).
- Free on-going technical assistance from Maine Department of Environmental Protection on how to continue to reduce environmental impact while saving money.

#### How the program works:

Complete the certification workbook by checking off all of the initiatives that your facility is currently undertaking. If you need assistance filling out the workbook, please call the Maine DEP Environmental Leader Program Manager or a Regional Office Director.

#### Maine DEP contact numbers:

Central Maine Regional Office tel: 800-452-1942 Eastern Maine Regional Office tel: 888-769-1137 Northern Maine Regional Office tel: 888-769-1053 Southern Maine Regional Office tel: 888-769-1036

Please understand that not all of the items in the workbook are necessary; the workbook is a comprehensive list of the many different ways to generate points. Some designated sections require a minimum number of points. Employing all of the initiatives in this workbook is unrealistic, so please use the ones that you have not yet implemented as recommendations.

- 1. Calculate your estimated score by adding up all of the checked boxes.
- 2. Send completed workbook to:

Environmental Leader Program Maine Departmental of Environmental Protection 17 State House Station Augusta, ME 04333-0017

3. Your workbook will be reviewed and receive a final score.

Free technical assistance is available from the Environmental Leader Program to help any business achieve more points, regardless of point total. Low cost recommendations will be given to help businesses achieve more points.

### **Self-Certification Workbook**

(final score subject to finalization by the Maine DEP Sustainability Unit)

Business name:	ph as	crt   tri   lo     mt   ml   sc
Contact person:	Boxes	es for DEP use only
Phone number:		
Business web address:		
Building square feet:    Email (for electronic logo)		
Parking lot square feet: Does your business own your parking lot?		
Number of Full Time Employees:		
STORMWATER MANAGEMENT	otion)	
(minimum of 20 points required from this see	ction)	)
$\checkmark$ Written and posted policy prohibiting discharges to storm drains and rem accumulated fluids from the parking lot.	oving	🗌 2 Points
$\checkmark$ Map parking lot and identify hot spots, drains, and sheet flow		☐5 Points
$\checkmark$ Maintenance plan developed for parking lot and stormwater management. <u>DEP Template</u> for plan reference.	See lin	
$\checkmark$ Winter maintenance contract written to include contract by service rather the of material being placed to reduce waste and pollution.	han amo	ount 3 Points
$\checkmark$ Storm drains stenciled identifying their drainage to water bodies		2 Points
$\checkmark$ Facility has a outside trash receptacles: Number:		🗌 1 Point
✓ Facility has cigarette butt disposal receptacle(s):		per 2 Points
$\checkmark$ Dumpsters or similar waste storage containers covered and non-leaking		🗌 1 Point
$\checkmark$ Hydraulic lines of compacter inspected and not leaking		2 Points
<ul> <li>✓ Vegetative buffers to protect water bodies (streams, ponds, lakes, saltwate parking lots and driveways etc.</li> <li>Mulch or other erosion control measures on exposed soils?</li> <li>Describe buffer zone and how it is maintained:</li> </ul>	er, etc) f	from 2 Points
✓ Facility does not use <u>coal tar</u> based asphalt sealants on parking lot surface <i>Product used:</i>	es.	2 Points

✓ Storm drain grate debris is removed. Date of last 4 cleanings:	
Two times per year Four times per year Once per month	☐ 1 Points ☐ 3 Points ☐ 5 Points
<ul> <li>Storm drain catch basins in parking lot are cleaned out entirely on an annual basis Date of last cleaning:</li> </ul>	☐ 5 Points
Next scheduled cleaning:	
Where is this information located and how is it communicated:	
$\checkmark$ Facility uses <u>only dry cleaning methods</u> (e.g. sweeping with a vacuum sweeper) to clean up or prevent the discharge of pollutants	
Four times per year Once per month Weekly	<ul> <li>5 Points</li> <li>7 Points</li> <li>10 Points</li> </ul>
<ul> <li>Minimize use of pesticides, fertilizers and irrigation water on landscaped areas. Practice integrated pest management (IPM) techniques to treat pest problems. Plant low input and sustainable grasses and ornamental plants that demand less fertilizer and pesticide use. Use pesticides as a last resort and when needed use the least toxic products that pose the lowest risk of exposure to people and animals. Use slow release or timed-release nitrogen fertilizer products. Use phosphorus free fertilizers unless a soil test indicates need or planting a new lawn or over seeding. What is your facility (or contractor) doing to reduce pesticides and fertilizers?</li> <li>Describe low input plant species used and list fertilizer and pesticides used and;</li> </ul>	☐ 2 Points
$\checkmark$ Stormwater/polluted runoff management and/or structural treatment systems in place	_
Catch basin insert Absorbents (drop inlet pillows)	└ 5 Points per unit
Tree box filters Level Spreaders into Vegetated Buffers Vegetated Dry Swales	☐ 10 Points per unit
Bio-retention (rain garden) areas Wet Ponds Installed infiltrators for roof runoff collection Installed underdrain soil filter Porous Pavement	☐ Up to 30 Points
$\checkmark$ Stormwater storage and/or treatment systems maintained in accordance with a regular schedule?	2 Points
$\checkmark$ Developed plans for installing additional structural stormwater storage and treatment systems to reduce polluted runoff?	☐ 5 Points

### **ADMINISTRATIVE OFFICES**

<ul> <li>Adopt and display an environmental policy. Sample is at back of workbook.</li> <li>****Attach a copy of the written environmental policy.****</li> <li>Describe where it is displayed to employees and customers:</li> </ul>	☐ 10 Points
<ul> <li>Create an environmental team/ task force and meet at least quarterly.</li> <li>List meeting dates and attendees for past 3 meetings and attach minutes.</li> </ul>	☐ 3 Points
✓ Commitment letter signed by all employees. Contact the Environmental Leader Program Manager for details.	☐ Up to 10 Points
<ul> <li>✓ Facility uses printing and writing papers (e.g., letterhead, stationary, copy paper, envelopes, invoices, business forms, etc.) that contain a minimum of 30% post-consumer recycled content <u>OR</u> tree-free fiber content; coated paper shall contain a minimum of 10% post-consumer recycled content <u>OR</u> tree-free fiber content.</li> <li>******Attach description from packaging and brand******</li> </ul>	☐ 3 Points
<ul> <li>Computer disks and ink jet cartridges are recycled.</li> <li>Method:</li> </ul>	☐ 1 Point
✓ Computers and lap tops disposed of in a manner that ensures the components will be recycled. <i>Describe:</i>	2 Points

### **CLEANING CHEMICALS**

- ✓ Use cleaners and detergents that are environmentally preferable, readily biodegradable and do not contain certain chemicals. Some commonly used chemicals to avoid are listed below, however this list is incomplete and other chemicals may have environmentally preferable alternatives.
  - chlorine bleach
  - phosphates
  - ethylene diamine tetraacetic acid or ethylene dinitrilotraacetic acid (EDTA)
  - nitrilotriacetic acid (NTA)
  - monoethanolamine (MEA)
  - 2-butoxyethanol or ethylene glycol monobutyl ether (EGBE) or butyl cellusolve
  - 2-Methoxyethoxy ethanol or diethylene glycol monomethyl ether (DEGME)
  - Alkylphenol ethoxylates (APE)
  - Dibutyl phthalate (DBP)

Or use "Green Seal, EcoLogo" cleaning materials throughout property. <u>http://www.greenseal.org/findaproduct/i&icleaners.cfm</u> <u>http://www.ecologo.org/en/certifiedgreenproducts/?category\_id=21#21</u>

Describe which environmentally preferable product brands are used and for which purpose.

Glass cleaner:	
floor cleaner:	2 Points
bathroom cleaner:	<b>2</b> Points
all purpose/ counter top cleaner:	- 2 Points
other:	2 Points
Disinfectants are not considered environmentally preferable but are required by law to be used in some areas. The Environmental Leader Program encourages businesses to use disinfectants only where absolutely necessary and to ensure disinfectants are used minimally by training staff and by having a written procedure or policy for what gets disinfected and how to do it.	☐2 Points
$\checkmark$ Have a documented Standard Operating Procedure for disinfection. This should	
include use of safety equipment per the manufacturer's recommendations.	
Restroom	
Kitchen (cutting boards, counters etc)	2 Points
Silverware	2 Points
	2 Points

### WASTE MANAGEMENT (REDUCTION, REUSE, RECYCLING)

✓ Recycling and waste prevention/reuse of: Describe your recycling and waste prevention/reuse procedures. Who performs them? How often? Can customers

separate waste?, etc.:		
Paper		□2 Points
CardboardGlass		□2 Points □2 Points
Metal		2 Points
Plastic		□2 Points
Wood Pallets		□2 Points
	EQUIRED	🗆 in
Store fluorescent lamps and CRT's (computer monitors and televisic central accumulation area. Send YEARLY to a consolidation or recy is a LEGAL obligation for all businesses within the State of Maine. P	cling facility. This	compliance
awarded with proof of proper disposal of this type of waste.		□need
		compliance assistance, please
Documented Standard Operating Procedure to ensure conformant obligation:	ce with this legal	2 Points
✓ Proper disposal of any waste that may be hazardous (State Law) (ex quarts of oil, leaking containers of pesticide, disinfectants).	amples: leaking	☐ required
Pharmaceutical Waste:		required
Documented Standard Operating Procedure:		□3 Points
Conformance to the two initiatives above are expected as it is a legal businesses in Maine to dispose of Hazardous Waste and Universal Wa		☐need compliance
If you need further assistance complying with this la contact the Pollution Prevention Program Manager to	•	assistance, please

### WASTE MANAGEMENT continued

✓Reducing, reusing, and recycling offer significant potential to decrease greenhouse gas (GHG) emissions. You can track your progress and measure the GHG reductions achieved by your waste management program by using the tracking tools offered by EPA's Wastewise Program. See link: <u>www.epa.gov/wastewise</u> .	☐ 10 Points
✓ Donation of food to a local food pantry or soup kitchen. Describe:	
Does the Good Shepherd Food-Bank pick up food donations at your facility? Yes No	☐ up to 7 Points
Establish a program to compost organic kitchen wastes for use as soil amendment in gardens or for farm animal feed.	☐ 3 Points
<i>Where does it go? (Required to receive points)</i> Estimate of quantity?	
✓ Elimination of Styrofoam food containers: Does your store purchase Styrofoam? Yes No	
Elimination of Styrofoam for "to-go" orders	2 Points
in produce department	☐ 2 Points
from meat department	☐10 Points
✓ Waste vegetable oil or brown grease:	
Collected for conversion to bio-fuels	☐5 Points
Routinely collected and properly handled, stored, and disposed of	□1 Point
✓ Enrolled in "Got your Bags, Maine" Program	□5 Points
Contact: Shelley Doak, Executive Director of Maine Grocers Association at <u>sdoak@mainegrocers.com</u> or tel: 207-622-4461	
Display signs to remind customers to bring in re-usable bags in parking lot	☐3 Points
Provide reusable bags for purchase     In store     At check out See also: www.gotyourbagsmaine.org	☐1 Point ☐1 Point

### MAINTENANCE

<ul> <li>✓ State law.</li> <li>Notification to employees and customers (signage) if pesticide spraying has occurred.</li> <li>For a reference to this state law see:</li> <li><a href="http://www.maine.gov/agriculture/pesticides/chapter_26/index.htm">http://www.maine.gov/agriculture/pesticides/chapter_26/index.htm</a></li> </ul>	□required
<ul> <li>✓ Practice integrated pest management (IPM) techniques to treat pest problems inside facility.</li> <li>Describe pesticides used inside the building(s):</li> <li>✓ Use of Green Shield certified Pest contractor for IPM:</li> <li>Name of certified contractor:</li> </ul>	□3 Points □5 Points
<ul> <li>✓ Purchase paint products with "low" VOC or "no" VOC content.</li> <li>Interior Flat paint: less than 50 g/l VOC content</li> <li>Exterior paint: less than 1000 g/l VOC content</li> <li>Describe brand of paint and VOC content and percent purchased:</li> <li>How many gallons have been purchased or used?</li> <li>Interior:</li> <li>Exterior:</li> </ul>	☐5 points ☐5 points
✓Paint roof white for minimizing summer heat gain as opposed to heat absorbing black roofs.	□3 points

Launder uniforms by "wet cleaning" as opposed to dry cleaning.
Name of launderer:

Page point total:

□2 points

### **REST ROOMS**

 $\checkmark$  Use the following water conserving fixtures or retrofits:

2.2 gpm faucets and aerators with shut off valves; 1.6 gpf toilets;	☐2 Points ☐1 Point
1.28 gpf toilets	☐3 Points
✓Men's restrooms include waterless urinals OR fractional low flow flush. Number of urinals and fractional gpm:	☐5 Points per unit
✓ Use amenities that:	
<ul> <li>List all ingredients</li> <li>Do not contain palm oil</li> <li>Do not test on animals</li> </ul>	☐1 Point ☐1 Point ☐1 Point
Brand:	

### ENERGY

$\checkmark$ Contact Efficiency Maine for a :	Walk Through Analysis (\$250)	☐3 Points
	Energy Survey & Analysis (\$500)	☐5 Points
http://www.efficiencymaine.com/at-w	Scoping Audit (\$800) /ork/for-small-business/energy-audit-program	☐10 Points
fluorescent incentives are availabl	ficient (compact fluorescent bulbs to T-8 le for this from Efficiency Maine). Efficient flood atts or ceramic metal halides) will qualify.	
95% to 100% of the property		☐7 Points
75% to 95% of property		☐3 Points
✓ Shut down or light dimming: Describe:		□Up to 5 Points
✓ Fill out EPA's "Energy Star" Portfo details.	<b>blio Manager.</b> Contact DEP Program Manager for	☐10 Points
$\checkmark$ Vending Misers on vending machi	nes. approx #	□3 Points
No outside vending machines		□5 Points
✓ Natural light substituting for electron Incentives are available for this from	rical light, or use of the daytime dimming sensor. m Efficiency Maine:	□Up to 5 Points
Describe:		
✓ LED or electroluminescent EXIT si approx #	gns through out 100% of the property.	☐3 Points
✓ Purchase zero emission electricity	<i>ı</i> .	
http://apps3.eere.energy.gov/greenpow	er/buying/buying_power.shtml?state=ME	□Up to 50 Points
# of kilowatt hours Type of purchase (RECs, Greer	n Tags, Direct purchase)	

### REFRIGERATION

$\checkmark$ Participate in EPA's GreenChill Program to manage refrigeration chemicals	
http://www.epa.gov/ozone/partnerships/greenchill/index.html	
Working with EPA, GreenChill Partners: Transition to non-ozone-depleting refrigerants; Reduce refrigerant charges; Reduce both ozone-depleting and greenhouse gas refrigerant emissions; and Promote supermarkets' adoption of advanced refrigeration technologies.	
✓ Variable speed/ frequency drives installed on motors (not running motors at full speed all the time). Describe how many and when the replacement took place:	☐5 Points Per VFD
✓ Heat recovery from refrigeration systems. Describe:	☐7 Points
LED lighting in refrigeration units instead of fluorescent tubes. Percentage of LED lighting fixtures:	□up to 10 Points
✓ Refrigeration curtains	
Always pulled down Closed at night Standard Operating Procedure describing this responsibility	☐7 Points ☐5 Points ☐2 Points
✓ Butcher area separately zoned	☐5 Points
✓ Ice making	
No ice making (use of refrigerated display cases) Energy Star labeled ice maker	☐5 Points □3 Points
Water cooled or Air cooled	☐1 Points ☐3 Point

### HEATING VENTILATION A/C (HVAC)

<ul> <li>Routine maintenance performed. Filters of changes:</li> </ul>	changed regularly. Dates of last 3 filter	□1 Point
Use of pleated Merv 8 rated filters. Not meta	l mesh filters.	□3 Points
✓ Variable speed/ frequency drives installed speed all the time). Describe how many and		☐5 Points Per VFD
✓ Dehumidification system Describe:		□3 points
✓ Install high efficiency air conditioning un greater (incentives are available for this fr		☐10 Points
$\checkmark$ New heating system. Ye	ear:	☐Points negotiable

### **RECEIVING BAY**

✓ Utilize EPA's Smartway Transport Partnership. See link to: <u>www.epa.gov/otaq/smartway</u> .	☐10 Points
✓Unnecessary idling:	
Idle reduction policy documented	2 Points
Signage and outreach to suppliers regarding deliveries?	2 Points
Is there signage encouraging customers to avoid unnecessary idling?	2 Points
✓ Infrared heating	□5 Points

### **ENVIRONMENTAL EDUCATION**

✓ Maintain environmental information (display, brochure, etc) for customers and staff with current information on what your business is doing to reduce environmental impact. Can include tips and solicit suggestions from customers.

\*\*\*This is separate from posting the environmental policy \*\*\*

	Up	to	10
Po	oints	5	

### **KITCHEN/ DELI**

$\checkmark$ High Temperature (low flow) dish machine (as opposed to low temperature dish	□5 Points
machines that use more chemicals). Must also be low flow. List type:	

✓ Low flow pre-rinse spray valve for pre cleaning dishes (.65 gpm or less) **2** Points www.foodservicewarehouse.com/education/going-green/low-flow-pre-rinse.aspx

### FOOD

Page point to	otal:
80%- 100%	
20%-80%	□2 Points □5 Points
At the height of the season (or most at any given time), what percentage of eggs on the shelf come from Maine or within 250 miles of the store? 10%-20%	□1 Point
80%- 100%	☐5 Points
20%-80%	<b>2</b> Points
Percentage of eggs on the shelf are organic? 10%-20%	□1 Point
√ Eggs	
Measures are taken to prevent co-mingling or cross-contamination of organic products with non-organic products, describe:	🗌 1 Point
✓ Organic products:	
80%- 100%	
20%-80%	☐2 Points ☐5 Points
At the height of the season (or most at any given time), what percentage of NON- produce food items on the shelf come from Maine or within 250 miles of the store? 10%-20%	1 Point
Store requires proof of certification for organic items from supplier	2 Points
$\checkmark$ NON- produce food items (food and beverage items)	
80%- 100%	☐5 Points
20%-80%	2 Points
At the height of the season (or most at any given time), what percentage of produce items on the shelf come from Maine or within 250 miles of the store? 10%-20%	1 Point
Store requires proof of certification for organic produce items from supplier/farm	
✓ Produce	☐ 2 Points

### **FOOD continued**

#### ✓ Seafood and shellfish

seafood comes fro	10%-20% 20%-80% 80%- 100% rioritized as an alternative to other shrimp		layed	<ul> <li>□1 Point</li> <li>□2 Points</li> <li>□5 Points</li> <li>□1 Points</li> </ul>
Gulf of Maine Sea Highlighted, descri	food is prioritized and emphasized in disp //be:	olay		☐1 Points
✓ Meat		Poultry	Pork	Beef
organic?	of available meat products are certified 10%-20% 20%-80% 80%- 100%	☐1 Point ☐2 Points ☐5 Points	☐1 Point ☐2 Points ☐5 Points	☐1 Point ☐2 Points ☐5 Points
What percentage a	are certified as humanely raised? 10%-20% 20%-80% 80%- 100%	☐1 Point ☐2 Points ☐5 Points	☐1 Point ☐2 Points ☐5 Points	☐1 Point ☐2 Points ☐5 Points
What percentage of the store?	were raised in Maine or within 250 miles 10%-20% 20%-80% 80%- 100%	☐1 Point ☐2 Points □5 Points	☐1 Point ☐2 Points □5 Points	☐1 Point ☐2 Points ☐5 Points

### **FOOD** continued

✓ Dairy		Milk	Cheese and other dairy products	
Growth hormone (rBst) free? 20%-80%		☐1 Point □3 Points	☐1 Point □3 Points	
80%- 100%				
What percentage comes from Maine or within 250 miles of 10%-20%	the store?	□1 Point	□1 Point	
20%-80%		☐2 Points	☐2 Points	
80%- 100%		☐5 Points	☐5 Points	
PRODUCT DISP For this section, local means from Maine or wi	_	miles of the s	store	
✓ Local NON-food items:				
Highlighted? Describe display:			Up to5 Points	
✓ Environmentally Preferable Products	Cleaning Chemicals	Body Products	Paper Products	
	Chemicais	Products	Products	
Displayed in a separate "natural goods" area	2 Points	s 🗌 2 Points	s 2 Points	
Displayed in a separate area AND/ or integrated with other like goods, but not highlighted:	□3 Points	s 🛛 3 Points	s 🛛 3 Points	
Integrated with other similar goods AND HIGHLIGHTED, describe:	□5 Points	□ 3 Points □ 3 Points □ 3 Points		
Separate area AND integrated AND HIGHLIGHTED, describe:	5 Points	s 🛛 5 Points	s 🛛 5 Points	
Other products???? Describe below:				

### Sample Stormwater Policy:

The following is a sample stormwater policy that can be used for your business. Note the frequency options for drain debris removal, total cleanout and dry sweeping of lot. Please customize as appropriate for your business.

"Business Name" parking lots and travel ways have several storm drains to divert the flow of water and prevent dangerous situations that can arise from flooding. These drains protect our stores as well our customers and associates.

Maintaining these storm drains not only ensures the safety of our customers and associates, but also the safety of the environment. Proper maintenance ensures that hazardous pollutants do not enter the water supply, ground water, or steams creating an environmental threat to our community.

To maintain the effectiveness of these drains and to minimize our footprint on the environment the following steps will be followed regularly;

- The operations manager in charge will visually inspect and remove debris from drain grates when entering and exiting the building and or during a lot inspection.
- The drains will be inspected monthly as part of the safety committee inspections including removing debris from the grate (*Once per month, or 4 times per year*).
- The drains are to be cleaned out (on an annual basis or other) by a contracted company.
- Dry sweeping will be performed (Once per month, or 4 times per year).
- A log for parking lot inspections will be available at the service desk.
- Nothing is to be dumped into the drains by any employee, contracted employee or customer.

### Sample Environmental Policy:

ABC Grocery is committed to reducing our impact on the environment. We believe that there are many small steps that can be taken to reduce our carbon footprint.

As a user of natural resources such as paper, water and energy it is our responsibility to use those resources in the most efficient ways possible. We will educate our associates and customers on ways that they too can help.

- ABC Grocery recycles over X tons of cardboard annually, over X tons of food items, and several tons of plastic and mixed office paper.
- We are taking extra steps to reduce our energy consumption, waste generation, and eliminate hazardous wastes.
- We buy and sell locally when possible and place extra emphasis on local grown, locally made and organic products.
- We will utilize recycled and or remanufactured resources whenever possible, some examples are office paper, toner for printers and paper product for cleaning and sanitation.
- We will relentlessly eliminate unnecessary use of all resources.

### Sample Commitment Letter:

ABC Grocery business is participating in the Maine DEP Environmental Leader Program. Please join us in trying to reduce our environmental impact by signing below:

etc, etc...add more lines if needed. Employees shouldn't be forced to sign, if some employees don't want to, that is fine, simply have as many that are willing to sign the letter and submit with your workbook

### Energy and Resource Tracking (additional points!)

This section is designed to help you track your waste generation, energy usage and water usage. The emphasis of this section is to find value in tracking these aspects of your business.

If you have had an increase please do not get discouraged from using this section, but describe why the increase occurred (expansion, more customers, etc) and if there was a decrease, please describe what you attribute the decease to.

#### Business activity (has your business increased or decreased?) Please enter a percentage (estimates are acceptable) % Category 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 Pounds (or yards) of waste\*\*\* Pounds or yards of recycled material\*\*\* \*\*\* = Businesses may need to be creative in tracking waste and recycling. If your hauler will not give you amounts by weight, try coming up with your own method to determine amounts and describe how you do it, like making an estimation of how full a dumpster is before it is emptied or how many bags are generated before disposing of them. kWh of electricity used Gallons of fuel (oil) used Gallons of fuel(propane) used Cubic feet or Therms of natural gas used

Gallons of water					
used					

2 points awarded for each completed Category.

A completed category requires 2009 and at least one other year filled in for comparison purposes.

### **OTHER INITIATIVES (points negotiable)**

✓ Other environmental certifications and awards.

✓ Other activities to reduce environmental impact.

Points negotiable

Points negotiable

Comments or additional thoughts:

Add up points and enter the total.....

**Total Points**