BC LIGHTRECYCLE EXPANSION PROGRAM PRODUCT LIST – November, 2013 Version

The following table provides "recycling fee" rates for the BC LightRecycle Expansion program. These fee rates will be applied on the sale of new lamps, ballasts and fixtures as of **October 1, 2012** and will be paid by program members to Product Care. Information on the types of products captured by each category, as well as relevant definitions and policies, are included in the pages below.

For more information on the BC LightRecycle expansion program or any questions on the product list, please refer to <u>www.lightrecycle.ca</u> or contact Tania Morrill at <u>tania@productcare.org</u>

Product Category	Fee Category	Recycling Fee / Unit: Effective October 1, 2012		Recycling Fee / Unit (residential-use only): Effective Until September 30, 2012	
Lamps	 Fluorescent/Induction/UV Tubes measuring ≤ 2 feet 	\$ (0.20	\$	0.20
	 Fluorescent/Induction/UV Tubes measuring > 2 feet and ≤ 4 feet 	\$ (0.40	\$	0.40
	3. Fluorescent/Induction/UV Tubes measuring > 4 feet	\$ (0.80	\$	0.55
	4. Compact Fluorescent Lights (CFL)/ Screw-In Induction Lamps	\$ (0.15	\$	0.15
	5. Light Emitting Diodes (LED)	\$ (0.15		
	6. High Intensity Discharge (HID) and Other	\$	1.10		
	7. Incandescent / Halogen	\$ (0.05		
	8. Miniature Bulb Package	\$	0.10		
Fixtures	9. Designated Small Fixtures / Decorative Light Strings	\$	0.15	n/a	
	10. Fixture Category A	\$	0.85		
	11. Fixture Category B	\$	1.40		
	12. Large Outdoor Fixtures	\$ 2	2.50		
Ballasts	13. Ballasts/Transformers (not integrated into lamps or fixtures)	\$	1.00		

Relevant Section of the BC Recycling Regulation:

Schedule 3, Section 2.3 (e) "all electronic or electrical lighting equipment, parts and bulbs, including lamps, fixtures and flashlights..."

	LAMPS		
Program Definition and Policies:	 Replaceable components/light sources designed to produce light from election of line langs. Refer to detailed definition of line langs automotive lamps (vs election langs). Refer to detailed definition of line langs are commonly referred to as "bulbs" or simply as "lights" by the pull Includes the sale/supply to all sectors (residential, institutional, industrial of Fees will be assessed on a per-unit basis EXCEPT for category #8, which will Refer to the multipacks policy for details on the fees applied when multiple Refer to the presales and contracts policy for details on the fees applied to members for the supply of program products before the start date of the presales and lamps policy for details on the fees applied when lamps and lamps policy for details on the fees applied when lamps are supplied lamps policy for details on the fees applied when lamps are supplied lamps policy for details on the fees applied when lamps are supplied lamps policy for details on the fees applied when lamps are supplied lamps policy for details on the fees applied when lamps are supplied lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps are supplied lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fees applied when lamps policy for details on the fe	excluded fixtures) below. blic. or commercial) through all dist I be applied on a per-package e products are sold in one pack o pre-program sales and contro program	ribution channels basis. kage acts signed by
1. Fluorescent/Indu	iction/UV Tubes measuring less than or equal to 2 feet	Typical Size: 2 feet	Fee Rate: \$ 0.2
	and light outputs. Includes shaped fluorescent tubes, low pressure UV tubes and tree UV lamps are found in Category 6, HID and Other.	tubular induction lamps (circ	ular, square, U etc.)
	iction/UV Tubes measuring greater than 2 feet and up to or equal to 4		
feet		Typical Size: 4 feet	Fee Rate: \$ 0.4
	and light outputs. Includes shaped fluorescent tubes, low pressure UV tubes and t re UV lamps are found in Category 6, HID and Other.	tubular induction lamps (circ	ular, square, U etc.)
3. Fluorescent/Indu	ction/UV Tubes measuring greater than 4 feet	Typical Size: 8 feet	Fee Rate: \$ 0.8
	and light outputs. Includes shaped fluorescent tubes, low pressure UV tubes and tree UV lamps are found in Category 6, HID and Other.	tubular induction lamps (circ	ular, square, U etc.)
4. Compact Fluores	scent Lights (CFL)/ Screw-In Induction Lamps		Fee Rate: \$ 0.1
	t are typically similar in size and intended to replace an incandescent (traditional) l attages. Includes screw-in induction lamps.	ight bulb, including pin-type	sockets, covered CFLs
5. Light Emitting D	Piodes		Fee Rate: \$ 0.15
Solid-state lamps used	for specialty purposes and conventional lighting applications		
6. High Intensity D	ischarge (HID) and Other		Fee Rate: \$ 1.1
	ologies, such as High Pressure Sodium, Low Pressure Sodium, Mercury Vapour and rojector etc.), neon replacement lamps, etc.	l Metal Halide, as well as UV,	Germicidal, UHP

7. Incandescent / Halogen

Filament lamps of all shapes, sizes and wattages (unless captured under category 8)

8. Miniature Bulb Package

Packages of two or more low voltage^{*} miniature bulbs, miniature neon bulbs, or miniature high voltage indicator lamps. May be LED, halogen, neon, incandescent etc., designed and sold as replacement lamps for such applications as portable lighting (i.e. handheld flashlights), indicator, signaling, signage, emergency, electronic displays, automotive and marine, decorative light strings/tape/ribbon/rope, etc. Please see the <u>Multipacks Policy</u> for packages of two or more non-miniature lamps.

Fees will be assessed on a per-package basis and NOT on a per-unit basis, as with all other lamp categories. *Note: if miniature bulbs that meet this definition are sold individually and not in a package of two or more, the bulbs can be reported and assessed fees as packages in multiples of 10. I.e. 40 bulbs that meet this definition that are sold individually would be reported as 4 packages and assessed 4 fees of \$0.10 for a total of \$0.40*

*Low voltage includes lamps rated between 0-49 volts.

FIXTURES						
Program Definition and Policies:	 portable and solar- Fees will be assesse Refer to the <u>multipa</u> Refer to the <u>presale</u> members for the su Fixtures sold with a 	Electrical/electronic lighting equipment with a primary purpose to illuminate space, including hardwired, free standing, portable and solar-powered products. Fees will be assessed on a per-unit basis on complete products (see excluded list below for more information). Refer to the <u>multipacks policy</u> for details on the fees applied when multiple products are sold in one package Refer to the <u>presales and contracts policy</u> for details on the fees applied to pre-program sales and contracts signed by members for the supply of program products Fixtures sold with an integrated ballast(s) will be charged a fixture fee and NOT a ballast fee. Refer to the <u>integrated lamps policy</u> for details on the fees applied when lamps are sold integrated into fixtures				
9. Designated Small Fixtures / Decorative Light Strings Fee Rate: \$ 0.15						
Book Lights (including Ki	indle Lights)		Snake Lights			
			1			

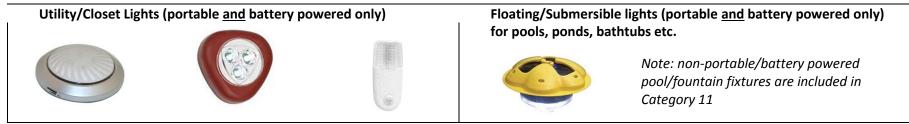
Fee Rate: \$ 0.05

Fee Rate: \$ 0.10



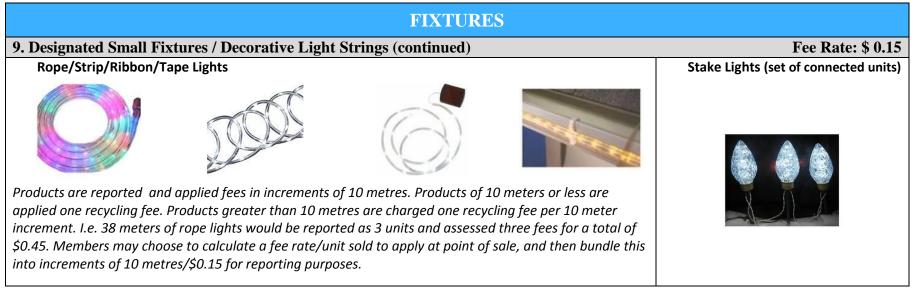
the <u>CESA</u> program.

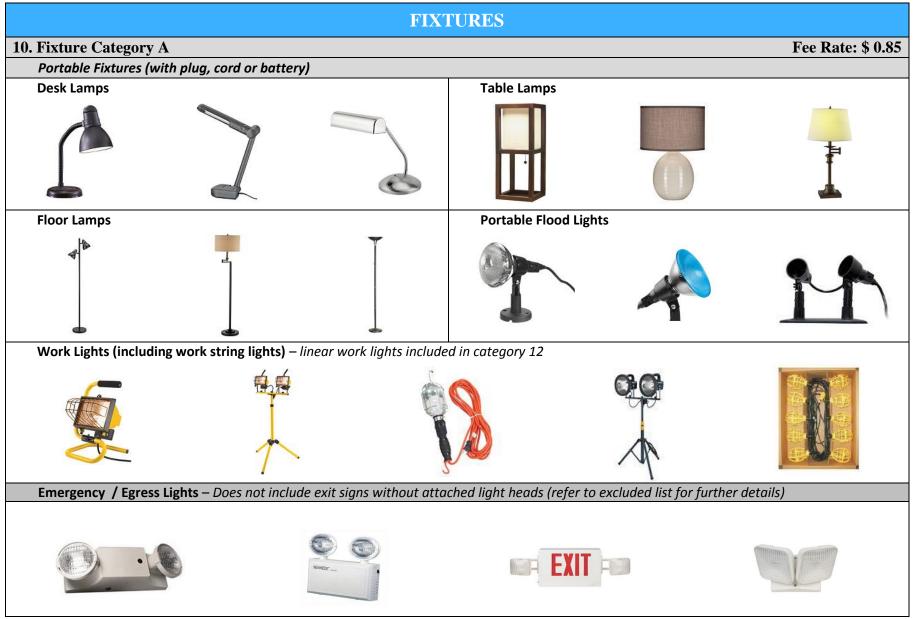






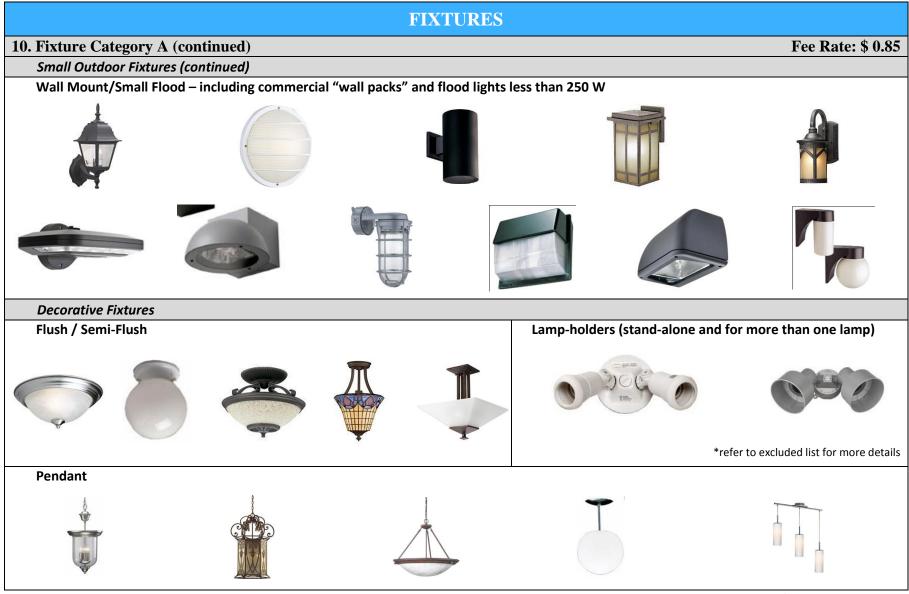
units and assessed four fees for a total of \$0.60.



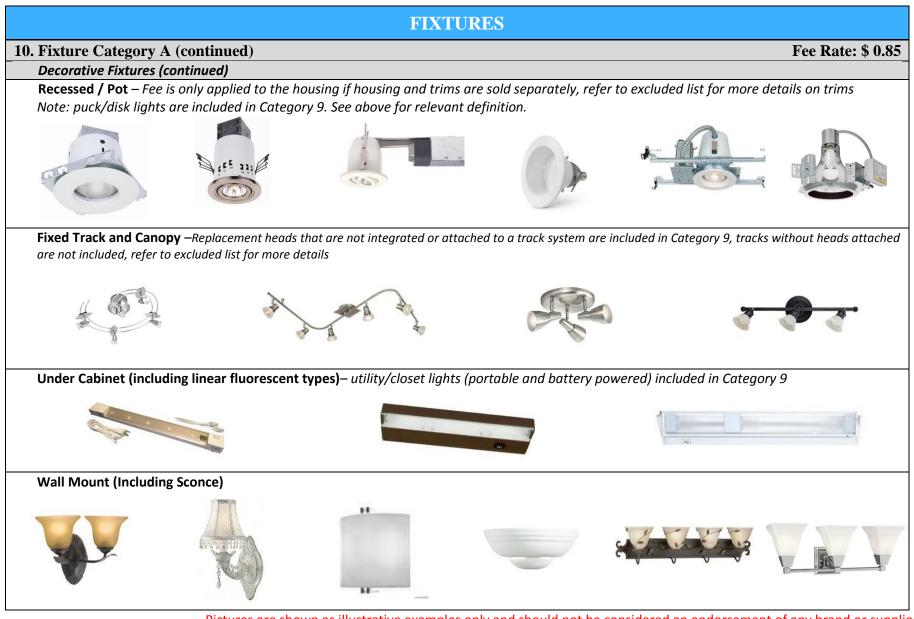


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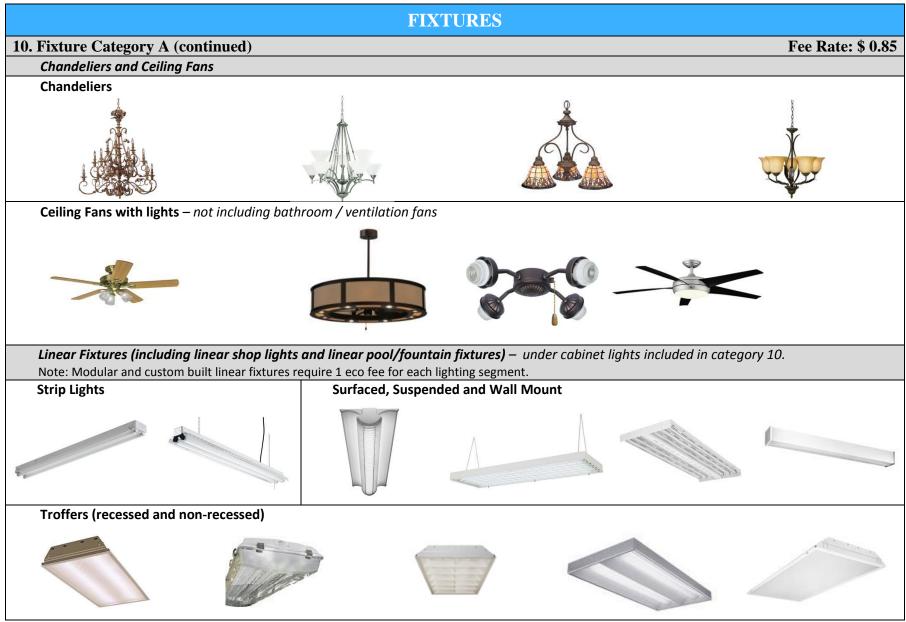




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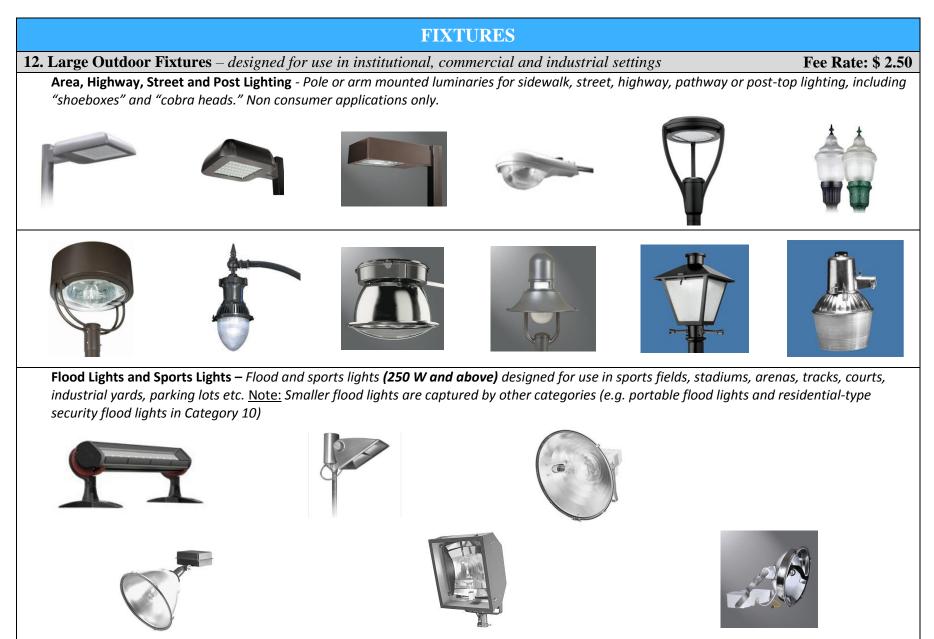
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BALLASTS/TRANSFORMERS Program Definition • A replaceable component designed to regulate or transfer the electrical current/energy in a lighting fixture. and Policies: Fees will be assessed on a per-unit basis on lighting ballasts/ transformers that are NOT integrated into lamps or fixtures. ٠ Fixtures sold with an integrated ballast or transformer will be charged a fixture fee and NOT a ballast/transformer fee • See the Integrated Ballasts and Lamps Policy for further details • 13. Lighting Ballasts/Transformers (not integrated into lamps or fixtures) Fee Rate: \$ 1.00 Ballasts, all types (Ie: compact fluorescent, electronic, HID, magnetic etc.) Transformers, includes all types except LED Drivers, which are excluded. Examples of included transformers include constant current, constant voltage, electronic, magnetic etc. * Note the term 'power supply device' may denote a ballast, a transformer or a driver. Refer to product specifications to determine product type.

Drivers are excluded from product category 13, and can be found in the list of "Examples of Fixture Parts that are not charged a fee".

The following types of products are not classified as a fixture and will <u>not</u> be levied fees:

"Light Containing" Products:

Products containing lights with a primary purpose that is not to illuminate or assist in the illumination of space are outside the scope of this program, including, but not limited to:

- Products covered by other schedules of the BC Recycling Regulation and for management in other product stewardship programs in BC. Examples include large appliances, small appliances, medical equipment and electronic products.
- Products containing lights with a primary purpose of signaling or displaying information. See below for detailed examples.

Fixture Parts:

Parts and accessories designed to be integrated into a complete fixture will not be charged a fee. See below for examples. Note that stand-alone lamp holders, replacement heads for track lights and egress lighting, and housing for recessed lights are considered included products (refer to relevant categories above).

Examples of Fixture Parts that are not charged a fee:

- 1. Table lamp sockets and replacement shades
- 2. Trim for recessed lights (if not sold integrated into housing)
- 3. Lighting tracks without heads attached (note: classified as "fixed track" in Category 11 if heads are attached, heads included in Category 9)
- 4. Lamp-holders for linear fixtures that are not stand-alone and must be integrated into a linear fixture

- 5. Light switches and controls (dimmers, timers etc.)
- 6. Replacement cords
- 7. Lighting posts (if sold separately from post top fixtures)
- 8. Drivers (ie:LED)

Aeronautical, Marine and Auto Fixtures:

Fixtures designed to be integrated into a mode of transportation* (airplane, boat, train, automobile, truck, trailer with permanently affixed wheels etc.) are excluded from the program if the primary purpose is <u>navigation, navigational safety, signaling or displaying information</u>. These are defined as light-sources that are integrated into a protective lens and/or housing and designed to function as stand-alone or replacement lighting products to permit the transportation device to safely navigate to its destination. Examples include headlights with a built in protective lens or housing, safety lights, trailer lights, trailer lights, signal lights, identification lights etc.

Fixtures <u>exclusively</u> designed to illuminate space within one or more types of transportation are also excluded from the program. For example, fixtures designed to light the interior of an automobile or automobile trunk are excluded.

Fixtures that are not <u>exclusively</u> designed to illuminate space within a mode of transportation, and that otherwise meet the definition of included fixtures, are included in the program in the relevant fixture category. For example, if a fixture is sold for the purpose of integration into a mode of transportation but is otherwise indistinguishable from an included fixture sold to illuminate space in a non-transportation based setting (e.g. commercial building), it is included in the program. As an example, fluorescent fixtures that, once sold, can either be integrated into a commercial building or into a trailer are included in the program.

*Land-based mobile housing, office or container units without permanently affixed wheels are not considered to be a mode of transportation.

Note: Replacement automotive bulbs that do not include a protective lens or housing that collectively functions as a complete fixture or headlight are included in the program in the relevant lamp categories above. Please refer to the <u>BC LightRecycle Automotive Lighting Product Inclusion Guidelines</u> document for examples.

Examples of excluded "light containing" products that are not classified as a fixture:

- 1. Alarms, phones etc. for the visually impaired
- 2. Aquarium equipment
- 3. Auto fixtures
- 4. Back lit signs
- 5. Bathroom/ventilation fans
- 6. Black light equipment
- 7. Bug zapper
- 8. Camera and video accessories
- 9. Electronic billboards
- 10. Equipment to heat food
- 11. Equipment to warm animals (brooder fixtures etc.)
- 12. Exit Signs (without light heads)
- 13. Fencing (with integrated lights)
- 14. Fountains (with integrated lights)

- 15. Garlands (with integrated lights)
- 16. Laser pointers
- 17. Lava lamps
- 18. Light up shoes, hats, collars, clothes etc.
- 19. Marine/aeronautical fixtures
- 20. Mirror ball lights
- 21. Neon signs
- 22. Plasma ball
- 23. Propane and gas powered lights
- 24. Signaling equipment traffic lights, railway lights
- 25. Strobe lights
- 26. Sunshine simulator
- 27. Trees (artificial, with integrated lights)
- 28. Medical, dental, veterinarian lighting equipment

- 29. Sculptures and statues (decorative) with one or more integrated lights where the primary purpose of the product is decorative and the contained lights are designed to light the decoration itself and not to illuminate surrounding space
- 30. Tanning beds
- 31. Umbrellas with integrated lights
- 32. Vanity mirrors with lights
- 33. Watches
- 34. Holiday decorations (other than string lights), such as jack-o-lanterns, decorative sculptures (see above) and plastic Santas
- 35. Horticultural lighting fixtures (greenhouse or grow lamp fixtures).

Note that replacement lamps used in excluded products and which are sold and can be disposed of separately from excluded products are levied fees and included in the program.