

Bay-Friendly Scorecard for Commercial & Civic Landscapes



This scorecard tracks Bay-Friendly features incorporated into the design and construction of new landscapes. The recommended minimum requirements for a Bay-Friendly Landscape are: earn a total of 60 points or more and complete the 9 required practices indicated by the red "R" in the columns labeled "Possible Points".

Date:

Current Point Total:

Enter Project Name Here	Points Achieved	Landscape Locally	Less to Landfill	Nurture the Soil	Conserve Water	Conserve Energy	Water and Air Quality	Create Wildlife Habit
A. SITE PLANNING		Possible Points						
1. Select and evaluate the site carefully								
<input type="checkbox"/>	a. Submit the completed Bay-Friendly Site Analysis form before 100% design development documents	0	5					
<input type="checkbox"/>	b. The site is located within an urban growth boundary and avoids environmentally sensitive sites	0	3					
<input type="checkbox"/>	c. The site development results in the clean up of a contaminated site (i.e. Brownfield) or is in a designated redevelopment area	0					3	
2. Consider the potential for fire								
<input type="checkbox"/>	a. For sites adjacent to fire sensitive open space or wild lands only: Submit a Fire Mitigation Plan	0	5					
3. Keep plant debris on site								
a. Produce mulch from plant debris								
<input type="checkbox"/>	i. Design documents specify areas under tree & shrub canopies and at least 10 feet away from hard surfaces and storm drains, to be used as a leaf repository for mulch	0	1					
<input type="checkbox"/>	ii. Construction documents specify that of the trees identified for removal, some are chipped for use as mulch onsite	0	1					
b. Produce compost from plant debris								
<input type="checkbox"/>	i. A site for composting is included in landscape plans. Systems for composting up to and including 3 cubic yards at one time	0	1					
<input type="checkbox"/>	ii. Systems for composting more than 3 and up to 10 yards at one time (total 2 points)	0	1					
<input type="checkbox"/>	iii. Systems 10 cubic yards or larger (total 3 points)	0	1					
4. Reduce and recycle waste								
<input type="checkbox"/>	a. An easily accessible area is dedicated to the collection and storage of materials for recycling	0	2					
5. Minimize site disturbance								
<input type="checkbox"/>	a. On Greenfield sites, limit site disturbance to protect topography, vegetation and hydrology (total 3 points)	0	1				1	1
<input type="checkbox"/>	b. On previously developed sites, restore vegetation and hydrology (total 3 points)	0	1				1	1
<input type="checkbox"/>	6. Provide water and/or shelter for wildlife such as birdhouse, bathhouses, boulders, logs, wood piles, large native shrubs or trees	0						1
7. Conserve or restore natural areas & wildlife corridors								
<input type="checkbox"/>	a. The landscape is designed to preserve 80% of existing mature healthy trees and penalties for destruction of protected trees are included in construction contract	0						2
<input type="checkbox"/>	b. The landscape is designed to increase open space compared to its previous use and/or to connect it to other open space or wildlife corridors	0						2
<input type="checkbox"/>	c. Create or protect a diverse plant buffer of low maintenance vegetation along creeks, shorelines or monocultured landscaped areas	0						2
Site Planning Subtotal, out of possible 33 points:		0						

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B. STORMWATER AND SITE DRAINAGE			Possible Points						
1. Minimize impervious surfaces									
a. Permeable paving, gravel or other porous surfaces are installed for									
<input type="checkbox"/>	i. 25% OR	0						1	
<input type="checkbox"/>	ii. 33% (total 3 points) OR	0						2	
<input type="checkbox"/>	iii. 50% of the paved area (total 5 points)	0						2	
<input type="checkbox"/>	b. No impervious surfaces directly connect to the storm drain	0						2	
2. Design a system to capture and filter storm water									
<input type="checkbox"/>	a. Capture and filter runoff from parking lots into landscape beds, vegetated swales or other landscape stormwater BMPs	0						2	
b. Incorporate landscape measures, including vegetated swales, infiltration planters, detention basins and/or stormwater wetlands, that are designed to capture and filter:									
<input type="checkbox"/>	i. 85% of average annual stormwater runoff OR	0						2	
<input type="checkbox"/>	ii. 100% of average annual runoff (total 4 points)	0						2	
<input type="checkbox"/>	c. Bioswales specify flat bottoms of at least 18 inches across and/or rock cobble at points of concentrated flow	0						1	
<input type="checkbox"/>	d. Turf is not specified in bioswales	0						1	
<input type="checkbox"/>	e. Direct rain water from all down spouts to planters, swales or landscaped areas	0						1	
Stormwater and Site Drainage Subtotal, out of possible 16 points		0							
C. EARTHWORK AND SOIL HEALTH			Possible Points						
1. Assess the soil and test drainage									
<input type="checkbox"/>	a. Submit laboratory soil analysis results and recommendations for compost and natural fertilizers (total 3 points)	0	2		1				
2. Remove and store topsoil before grading									
<input type="checkbox"/>	a. The removal, temporary storage, and re-spreading of topsoil is specified in the landscape design documents AND specifications include a maximum topsoil pile height of 6 feet, as well as measures to protect the stored topsoil from erosion	0			2				
3. Protect soil from compaction									
<input type="checkbox"/>	a. Grading specifications and construction plans call for the installation and maintenance of fencing to prohibit parking or materials staging in areas identified for protection	0			2				
<input type="checkbox"/>	b. Design documents specify that soil is not worked when wet	0			1				
4. Aerate compacted soils									
<input type="checkbox"/>	a. Design documents include specification to alleviate compacted soils to a depth of at least 8 inches, before planting for all landscaped areas that can not be protected during construction	0			1				
<input type="checkbox"/>	b. Design documents include specification to alleviate compacted soils to a depth of at least 12 inches, before planting, for all landscaped areas that can not be protected during construction (total 2 points)	0			1				
5. Feed soils naturally & avoid synthetic fertilizers									
<input type="checkbox"/>	a. Fertilizers or soil amendment materials prohibited by Organic Materials Research Institute (OMRI) in its generic materials list are not allowed in the construction of the project	0			1				
6. Mulch									
<input type="checkbox"/>	a. Required: Planting specifications and plans indicate that after construction, all soil on site is protected with a minimum of 3 inches of mulch				R				

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7. Amend the soil with compost before planting								
a. Quality compost is specified as the soil amendment, at the rates indicated by a soil analysis, to bring the soil organic matter content to a minimum of:								
<input type="checkbox"/> i. Required: 3.5% by dry weight OR 1 inch of quality compost OR					R			
<input type="checkbox"/> ii. 5% by dry weight OR (total 2 points)	0				1	1		
<input type="checkbox"/> iii. Specify the use of compost from processors that participate in the US Composting Council's Standard Testing Assurance program	0				1			
8. Use IPM design and construction practices to prevent pest problems								
<input type="checkbox"/> a. Sheet mulch is specified for weed control (total 3 points)	0			1			2	
<input type="checkbox"/> b. Synthetic chemical pre-emergents are prohibited	0						2	
9. Keep soil & organic matter where it belongs								
<input type="checkbox"/> a. Compost berms or blankets or socks are specified for controlling erosion (total 2 points)	0			1			1	
Earthwork and Soil Health Subtotal, out of possible 21 points	0							
D. MATERIALS		Possible Points						
1. Use salvaged items & recycled content materials								
a. Non-plant landscape materials are salvaged or made from recycled content materials or FSC certified wood:								
<input type="checkbox"/> i. Decking (100% of non structural materials)	0		1					
<input type="checkbox"/> ii. Fencing (100% of non structural materials)	0		2					
<input type="checkbox"/> iii. Outdoor furniture such as bike racks, benches, tables and chairs (50% minimum)	0		2					
<input type="checkbox"/> iv. Planters or retaining walls (100% of either or both)	0		1					
<input type="checkbox"/> v. Parking stops or lighting/sign posts (100% of either or both)	0		1					
<input type="checkbox"/> vi. Play structures or surfaces (100% of either or both)	0		2					
<input type="checkbox"/> vii. Edging or decorative glass mulch (100% of either or both)	0		1					
<input type="checkbox"/> b. A minimum 25% of recycled aggregate (crushed concrete) is specified for walkway, driveway, roadway base and other uses	0		2					
c. Replace Portland cement in concrete with flyash or slag								
<input type="checkbox"/> i. 20%	0		1					
<input type="checkbox"/> ii. 25% (total 2 points)	0		1					
d. Purchased compost and/or mulch is recycled from local, organic materials such as plant or wood waste								
<input type="checkbox"/> i. 100% of compost OR 100% of mulch	0		1					
<input type="checkbox"/> ii. 100% of both (total 2 points)	0		1					
2. Reduce and recycle landscape construction waste								
<input type="checkbox"/> a. Required: Divert 50% of landscape construction and demolition waste.			R					
<input type="checkbox"/> b. Divert 100% of asphalt and concrete and 65% of remaining materials OR	0		2					
<input type="checkbox"/> c. Divert 100% of asphalt and concrete and 80% of remaining materials (total 4 points)	0		2					
<input type="checkbox"/> d. Donate unused materials	0		1					
3. Reduce the heat island effect with cool site techniques								
<input type="checkbox"/> a. at least 50% of the paved site area includes cool site techniques	0					2		

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4. Design lighting carefully									
<input type="checkbox"/>	a. Low energy fixtures are specified for all site lighting	0					2		
	b. Photovoltaic is specified for site lighting								
<input type="checkbox"/>	i. all path lighting is solar powered	0					1		
<input type="checkbox"/>	ii. 50% of all other site lighting is solar powered	0					2		
<input type="checkbox"/>	iii. 100% of all other site lighting is solar powered (total 4 points)	0					2		
<input type="checkbox"/>	c. Reduce light pollution and trespass: exterior luminaries emit no light above horizontal or are Dark Sky certified	0					1		
<input type="checkbox"/>	d. The site and exterior building lighting does not cast direct beam illumination onto adjacent properties or right of ways	0					1		
5. Choose and maintain equipment for fuel conservation									
<input type="checkbox"/>	a. Specify solar powered pump(s) for water features	0					1		
6. Specify low embodied energy products									
<input type="checkbox"/>	a. 100% of any stone and non-concrete hardscapes materials are produced within 500 miles of the project site	0					2		
7. Use integrated pest management									
<input type="checkbox"/>	a. Design documents include construction specifications that require integrated pest management	0						2	
8. Use organic pest management									
<input type="checkbox"/>	a. Design documents include construction specifications that prohibit the use of pesticides that are prohibited by Organic Materials Research Institute in its generic materials list (total 4 points)	0							2
Materials Subtotal, out of possible 39 points:		0							
E. PLANTING			Possible Points						
1. Select appropriate plants: choose & locate plants to grow to natural size and avoid shearing									
<input type="checkbox"/>	a. Required: No species will require shearing			R					
<input type="checkbox"/>	b. Plants specified can grow to mature size within space allotted them	0		1					
2. Select appropriate plants: do not plant invasive species									
<input type="checkbox"/>	a. Required: None of the species listed by Cal-IPC as invasive in the San Francisco Bay Area are included in the planting plan			R					
3. Grow drought tolerant CA native, Mediterranean or climate adapted plants									
	a. Specify California native, Mediterranean or other climate adapted plants that require occasional, little or no summer water for:								
<input type="checkbox"/>	i. Required: 75% of all non-turf plants						R		
<input type="checkbox"/>	ii. 100% of all non-turf plants	0					2		
<input type="checkbox"/>	b. 100% of the non-turf plant palette needs no irrigation once established (total 5 points)	0					3		
4. Minimize the lawn									
<input type="checkbox"/>	a. Turf is not specified in areas less than 8 feet wide or in medians, unless irrigated with subsurface or low volume irrigation	0					2		
<input type="checkbox"/>	b. Turf shall not be installed on slopes exceeding 10%	0					2		
	c. Total irrigated area specified as turf is limited to:								
<input type="checkbox"/>	i. Required: A maximum of 25%, with sports or multiple use fields exempted.						R		
<input type="checkbox"/>	ii. A maximum of 15%, with sports or multiple use fields exempted	0					2		
<input type="checkbox"/>	iii. No turf is specified (total 5 points)	0					3		

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5. Implement hydrozoning									
<input type="checkbox"/>	a. Group plants by water requirements and sun exposure and select plant species that are appropriate for the water use within each zone and identify hydrozones on the irrigation plan (with separate irrigation valves for differing water needs, if irrigation is required)	0				2			
6. Provide shade to moderate building temperatures									
<input type="checkbox"/>	a. Protect existing trees and/or specify new trees such that 50% or more of west facing glazing and walls will be shaded (at 4 pm in September) by the trees at their mature size AND trees must be deciduous	0					2		
7. Plant trees									
<input type="checkbox"/>	a. At least 50% of the paved site area is shaded by trees or other vegetation	0					2		
<input type="checkbox"/>	b. At least one tree species is a large stature species (total 2 points)	0					1		1
8. Diversify									
a. Landscapes less than 20,000 square feet shall have a minimum of:									
<input type="checkbox"/>	i. 20 distinct species OR	0							1
<input type="checkbox"/>	ii. 30 distinct plant species (total 3 points)	0							2
b. Landscapes with 20,000 to 43,560 square feet (1 acre) shall include a minimum of:									
<input type="checkbox"/>	i. 30 distinct plant species OR	0							1
<input type="checkbox"/>	ii. 40 distinct species OR (total 2 points)	0							1
<input type="checkbox"/>	iii. 50 distinct plant species (total 4 points)	0							2
c. Landscapes of greater than 1 acre shall include a minimum of 40 distinct plant species AND									
<input type="checkbox"/>	i. one additional species per acre over 1 acre OR	0							2
<input type="checkbox"/>	ii. two additional species per acre over 1 acre (total 4 points)	0							2
9. Choose California natives first									
<input type="checkbox"/>	a. CA natives are specified for 50% of non-turf plants	0							2
Planting Subtotal, out of possible 36 points:		0							
F. IRRIGATION			Possible Points						
1. Design for on-site rainwater collection, recycled water and/or graywater use									
<input type="checkbox"/>	a. Irrigation systems and/or all ornamental uses of water (ponds, fountains, etc) are plumbed for recycled water where it is available from a municipal source	0				3			
<input type="checkbox"/>	b. Design a system that can store and use rainwater and/or graywater to satisfy a percentage of the landscape irrigation requirements:								
<input type="checkbox"/>	i. 10% OR	0				3			
<input type="checkbox"/>	ii. 50% OR (total 4 points)	0				1			
<input type="checkbox"/>	iii. 100% of dry season landscape water requirements satisfied with harvested rainwater (total 5 points)	0				1			
2. Design and install high efficiency irrigation systems									
<input type="checkbox"/>	a. Required: Specify weather based (automatic, self adjusting) irrigation controller(s) that includes a moisture and/or rain sensor shutoff						R		
<input type="checkbox"/>	b. Required: Sprinkler and spray heads are not specified for areas less than 8 feet wide						R		
c. Specify and install irrigation equipment with an operational distribution uniformity of 80% of greater, such as drip or bubblers for:									
<input type="checkbox"/>	i. 75% of non-turf irrigated areas	0				2			
<input type="checkbox"/>	ii. 100% of non-turf irrigated areas (total 5 points)	0				3			
<input type="checkbox"/>	d. For all turf areas: Specify and install equipment with a precipitation rate of 1 inch or less per hour and an operational distribution uniformity of 70% or greater	0				2			
<input type="checkbox"/>	e. Design and install irrigation system that will be operated at 70% of reference ET	0				3			
3. Install a dedicated meter for landscape water use or install a submeter									
<input type="checkbox"/>	a. A dedicated irrigation meter or submeter is specified to track irrigation water	0				2			
Irrigation Subtotal, out of possible 20 points:		0							

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G. MAINTENANCE		Possible Points							
1. Keep plant debris on site									
a. Grasscycle									
<input type="checkbox"/>	i. Ongoing maintenance includes grasscycling (grass clippings left on the lawn after mowing) for all lawns from April through October, or longer. Sports turf may be excluded "in season" when clippings will interfere with play	0		2					
b. Produce mulch from plant debris									
<input type="checkbox"/>	i. Ongoing maintenance requires that leaves and/or plant debris less than 4 inches (including cut or chipped woody prunings) be re-incorporated into the mulch layer of landscaped areas away from storm drain	0		2					
c. Produce compost from plant debris									
<input type="checkbox"/>	i. Ongoing maintenance includes composting plant debris on site	0		3					
2. Separate plant debris for clean green discounts									
<input type="checkbox"/>	a. Ongoing maintenance requires all exported plant debris be separated from other refuse and taken to a facility where it will be used to produce compost or mulch	0		3					
3. Protect soil from compaction									
<input type="checkbox"/>	a. Ongoing maintenance requires that soil is not worked when wet, generally between October and April	0			1				
4. Feed soils naturally & avoid synthetic fertilizers									
<input type="checkbox"/>	a. Ongoing maintenance includes topdressing turf with finely screened quality compost after aeration 1-4 times per year	0			1				
<input type="checkbox"/>	b. Ongoing maintenance uses compost, compost tea or other naturally occurring, non-synthetic fertilizers as the plant and soil amendment for all landscape areas	0			1				
<input type="checkbox"/>	c. Ongoing maintenance prohibits fertilizers that are prohibited by Organic Materials Research Institute	0			1				
5. Mulch Regularly									
<input type="checkbox"/>	a. Ongoing maintenance requires regular reapplication of organic mulch, to a minimum depth of 3 inches (total 2 points)	0			1	1			
6. Manage and maintain irrigation system so every drop counts									
<input type="checkbox"/>	a. Ongoing maintenance includes a schedule for reading the dedicated meter or submeter and reporting water use	0				1			
<input type="checkbox"/>	b. At completion of the installation, the contractor shall provide the property owner with 1. precipitation rate for each valve zone, 2. area calculations for each irrigation zone and the irrigation plans which include the location of irrigation supply shut off, 3. internet address for watering index information	0				2			
<input type="checkbox"/>	c. Ongoing maintenance includes regular checking of irrigation equipment, and/or checking soil moisture content before watering AND/OR immediate replacement of broken equipment with equal or superior materials	0				1			
7. Use IPM as part of maintenance practices									
<input type="checkbox"/>	a. Ongoing maintenance includes integrated pest management specifications	0						2	
<input type="checkbox"/>	b. At least one landscaping staff member or contractor is trained in the use of IPM or is a Bay-Friendly Qualified Professional	0						2	
8. Choose and maintain your materials, equipment & vehicles carefully									
<input type="checkbox"/>	a. Ongoing maintenance requires that all oil leaks are repaired immediately and that repairs are not done at the landscape site	0						1	
<input type="checkbox"/>	b. Landscape maintenance equipment uses bio-based lubricants and/or alternative fuels.	0						2	
9. Use organic pest management									
<input type="checkbox"/>	a. Ongoing maintenance does not allow the use of pesticides that are prohibited by Organic Materials Research Institute in its generic materials list	0							2
Maintenance Subtotal, out of possible 29 points		0							

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H. INNOVATION			Possible Points						
<input type="checkbox"/>	1. Bay-Friendly Landscape Guidelines and Principles are defined and referenced in the construction bid documents	0	3						
2. Design & install educational signage									
<input type="checkbox"/>	a. Provide instructional signs and other educational materials to describe the Bay-Friendly design, construction and maintenance practices	0	4						
3. Create a Bay-Friendly Maintenance task list									
<input type="checkbox"/>	a. Provide a detailed Bay-Friendly maintenance task list and/or use the BF Model Maintenance Specifications as an official reference document in the landscape maintenance contract and/or with on site landscape staff (total 7 points)	0	1	1	1	1	1	1	1
4. Employ a holistic approach									
<input type="checkbox"/>	a. Site analysis is submitted AND 65% of landscape construction waste is diverted AND planting plan includes a diverse palette AND 50% of non-turf plants are California native species AND none of the landscape area is in turf AND compost is specified for amending the soil during installation AND natural fertilizers are specified as the exclusive source of nutrients AND integrated OR organic pest management is specified (total 7 points)	0	1	1	1	1	1	1	1
5. Innovation: Design your own Bay-Friendly Innovation									
	a. Enter description of innovation below, and enter up to 4 points at the right. Points will be evaluated by a Bay-Friendly rater.								
<input type="checkbox"/>	i. Innovation description:	0	0	2	2	0	0	0	0
Innovation Subtotal, out of possible 25 points:		0							
Summary									
Total Possible Points:		219	25	43	20	45	22	36	28
Total Points Achieved:		0	0	0	0	0	0	0	0

Project has not yet met the following recommended minimum requirements:

- Total Project Score of At Least 60 Points
- Required Measures:
 - C6a: Mulch
 - C7ai: Amend the soil with compost before planting
 - D2a: Reduce and recycle landscape construction waste
 - E1a: No Species Will Require Shearing
 - E2a: Do Not Plant Invasive Species
 - E3a: Grow Drought Tolerant, CA Native, Mediterranean or Climate Adapted Plants
 - E4c: Minimize the Lawn
 - F2a&b: Specify Weather-Based Irrigation Controllers
 - F2b: Spray Heads Are Not Specified For Areas Less Than 8 Feet Wide