SEVEN PRINCIPLES OF "FRIENDLY LANDSCAPING"

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PRESENTATION OVERVIEW

- What is "Friendly Landscaping"?
- Overview of 7 Principles
- Benefits
- Bay-Friendly Tools, Training and Resources
- Bay-Friendly Rated Landscapes

Conventional landscapes bring design, beauty and recreation to built environments

But they require:

- ***Excessive irrigation and fertilization***
- ***Mowing, blowing, trimming and waste removal***
- ***Chemical pest controls***
- ***High labor costs***

"FRIENDLY LANDSCAPING" IS

…A whole systems approach to the design, construction and maintenance of the landscape in order to conserve natural resources, reduce waste and prevent pollution.

7 Principles

- A comprehensive, sustainable and sensible approach to landscaping
- 7 principles & 55 practices
- Created with input from a broad group of stakeholders

1. LANDSCAPE LOCALLY

- Evaluate climate, exposure and topography
- Assess the soil and test drainage
- Survey and protect flora & fauna
- Consider the potential for fire
- Use local plant communities as models

2. LANDSCAPE FOR LESS TO THE LANDFILL

- Select appropriate plants
- Avoid sheared hedges
- Avoid overcrowding
- Do not plant invasives
- Use recycled content and salvaged materials

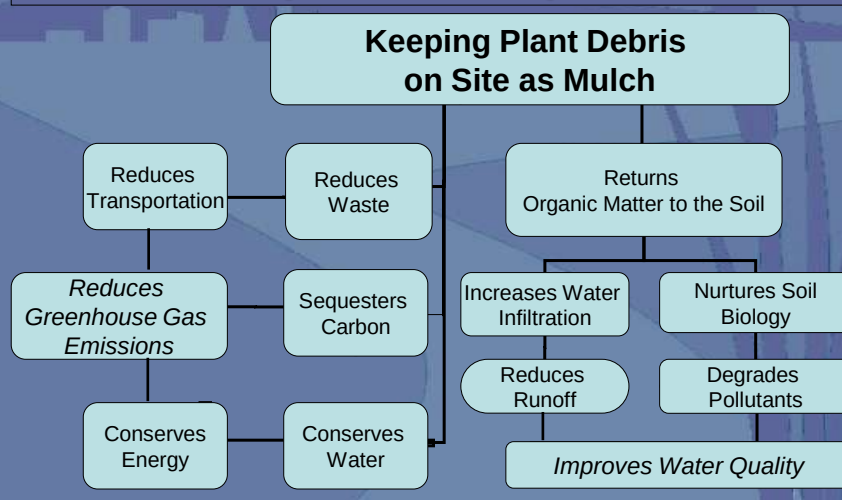
2. LANDSCAPE FOR LESS TO THE LANDFILL

- Grasscycle
- Produce mulch on-site from plant debris
- Compost plant debris on-site
- Separate plant debris for clean green discounts

3. NURTURE THE SOIL

- Use mulch abundantly
- Amend with compost
- Feed soils naturally
- Avoid synthetic, quick release fertilizers
- Minimize the use of chemical pesticides
- Protect soil from compaction and aerate compacted soils

MULCH
A key "FRIENDLY" practice



4. CONSERVE WATER

- Create drought-resistant soils
- Specify low-water using plants
- Hydrozone
- Minimize the lawn
- Install high efficiency irrigation
- Reuse water
- Maintain so every drop counts
- Audit the irrigation system

5. CONSERVE ENERGY

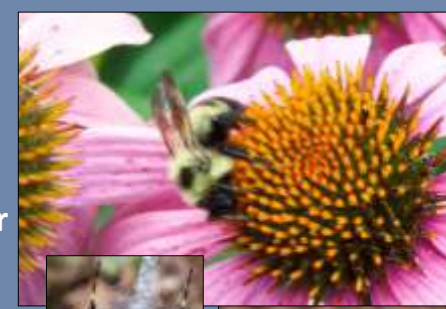
- Plant trees to moderate building temperatures
- Shade paved areas and air conditioners
- Design lighting carefully
- Choose & maintain equipment for fuel conservation
- Specify low embodied energy materials

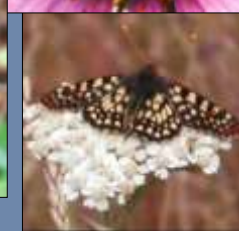
6. PROTECT WATER & AIR QUALITY

- Eliminate high input, decorative lawns
- Minimize impervious surfaces
- Capture and filter water
- Use IPM
- Keep soil where it belongs
- Choose and maintain equipment

7. CREATE WILDLIFE HABITAT

- Diversify
- Choose CA natives first
- Provide water & shelter
- Manage organically
- Conserve or restore natural areas and wildlife corridors





Benefits: Supports Compliance

"Friendly Landscaping" helps projects meet compliance

- AB 1881 – CA Model Water Efficiency Landscape Ordinance
- Requirements from local water agencies
- AB 32- Greenhouse Gas Initiatives
- Green Building Policies – recognized as an innovation credit with LEED & GreenPoint Rated Homes
- Countywide Clean Water Programs
- Local initiatives on Construction & Demolition Debris Diversion

BENEFITS: Ecosystem Services

- Local climate regulation
- Cleaning air and water
- Water storage and conservation
- Erosion and sediment control
- Reducing hazards such as flood and fire
- Recycling plant debris and nutrients
- Increasing pollinator populations
- Supports habitats
- Enhances human health

BAY-FRIENDLY TOOLS

- **Publications**
  - Landscape Guidelines
  - Mulch
  - Grasscycling
  - Using Recycled Content and Salvaged Materials
- **Model Policies and Ordinances**
  - Policies for Civic & Private Sector Projects
  - Corporate Policies for Private Land
  - Implementation Assistance
- **Model Specifications**
  - Maintenance
  - Soil & Earth work
  - Planting
  - Bay-Friendly bid language
- **Case Studies**

www.bayfriendlycoalition.org/publications

BAY-FRIENDLY TRAINING

For Landscape Professionals

- **Landscape Training & Qualification Program**
  - For Maintenance Professionals
  - Design Professionals
  - Over 850 professionals recognized as "Bay-Friendly Qualified"
- **Bay-Friendly Landscape Rater Training**

BAY-FRIENDLY RESOURCES
For Home Gardeners

- **Bay-Friendly Garden Tour**
- **Bay-Friendly Nursery Partnerships**
- ***Bay-Friendly Gardening Guide***
- **'Lose your Lawn' resources and events**

BAY-FRIENDLY LANDSCAPE SCORECARDS

- **Civic, Commercial & Multi-Family**
- **New Homes**

Credit Categories

A. Site Planning
B. Grading & Stormwater
C. Earthwork & Soil Health
D. Materials
E. Planting
F. Irrigation
G. Maintenance
H. Innovation

BAY-FRIENDLY RATED LANDSCAPES

- 14 jurisdictions in Alameda County have Bay-Friendly requirements for civic properties and 10 for private properties
- 59 Bay-Friendly Rated Landscapes Projects covering 215 acres
- Civic Buildings, Parks, Streetscapes & Affordable Housing Developments
- Compatible with LEED and GreenPoint Rated

DOYLE HOLLIS PARK, EMERYVILLE

Required: 3 inches of mulch
- Dual Plumbed
- Diverse palette hydrozoned
- Flyash for 50% of cement in concrete
- Silva Cells & Structural Soil under trees & sidewalk

Design: Gates & Associates
Construction: Suarez & Munoz

Shinsei Gardens, Alameda

Required: Incorporate compost to bring SOM to 3.5%

- Extra points for 5% with cover crops
- <10% turf including no mow
- 95% recycled aggregate
- Bay-Friendly Qualified Staff
- GreenPoint Rated

Design: Charles McCulloch
Construction: Shooter & Butts, Inc.

Sara Conner Court, Hayward

Required: No species require shearing

- Stock piled topsoil
- 100% stormwater on site
- Grass porous pavement for fire lane
- GreenPoint Rated

Design: Richard Seyfarth
Construction: Land Gro

Pleasanton Fire Station #4

Required: No invasive species

- 100% drip irrigation
- No turf
- Leaf litter repositories
- Large bioswale treats 100% of stormwater on site
- LEED Gold

Design: RRM Design

Albany Street Medians

Required: No sprinklers in areas less than 8 feet wide or medians

- Drip irrigation
- Sheetmulched with greenwaste, mulch & compost
- Low water use plants
- Diversity

Design: Sentient Landscape, Inc.

Bay-Friendly Coalition

- Supports and facilitates the adoption of healthier, more environmentally sound landscapes practices and policies
- Offers publications, programs, trainings and technical assistance and the Bay-Friendly Landscaping Conference in Fall 2013
- Works alongside other "Friendlies" to support each other, look for opportunities to collaborate and to spread the word!

Contact Information

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