

BAY-FRIENDLY LANDSCAPING

Maintenance Training & Qualification Program



STOPWASTE.ORG
Reducing the Waste Stream for Alameda County



BAY-FRIENDLY LANDSCAPING IS...

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



Conventional Landscaping



7 PRINCIPLES of BAY-FRIENDLY LANDSCAPING

1. Landscape Locally
2. Landscape for Less to the Landfill
3. Nurture the Soil
4. Conserve Water
5. Conserve Energy
6. Protect Water & Air Quality
7. Create Wildlife Habitat



7 PRINCIPLES of BAY-FRIENDLY LANDSCAPING

1. Landscape Locally

SF Bay Area is
unique!





1. LANDSCAPE LOCALLY



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

7 PRINCIPLES of BAY-FRIENDLY LANDSCAPING

1. Landscape Locally
2. Landscape for Less to the Landfill

110,000 tons plant debris/year

7% of waste stream





2. LANDSCAPE FOR LESS TO THE LANDFILL



- **Select appropriate plants**
- **Match microclimate and soil**
- **No sheared hedges**
- **Avoid overcrowding**
- **Do not plant invasives**



2. LANDSCAPE FOR LESS TO THE LANDFILL

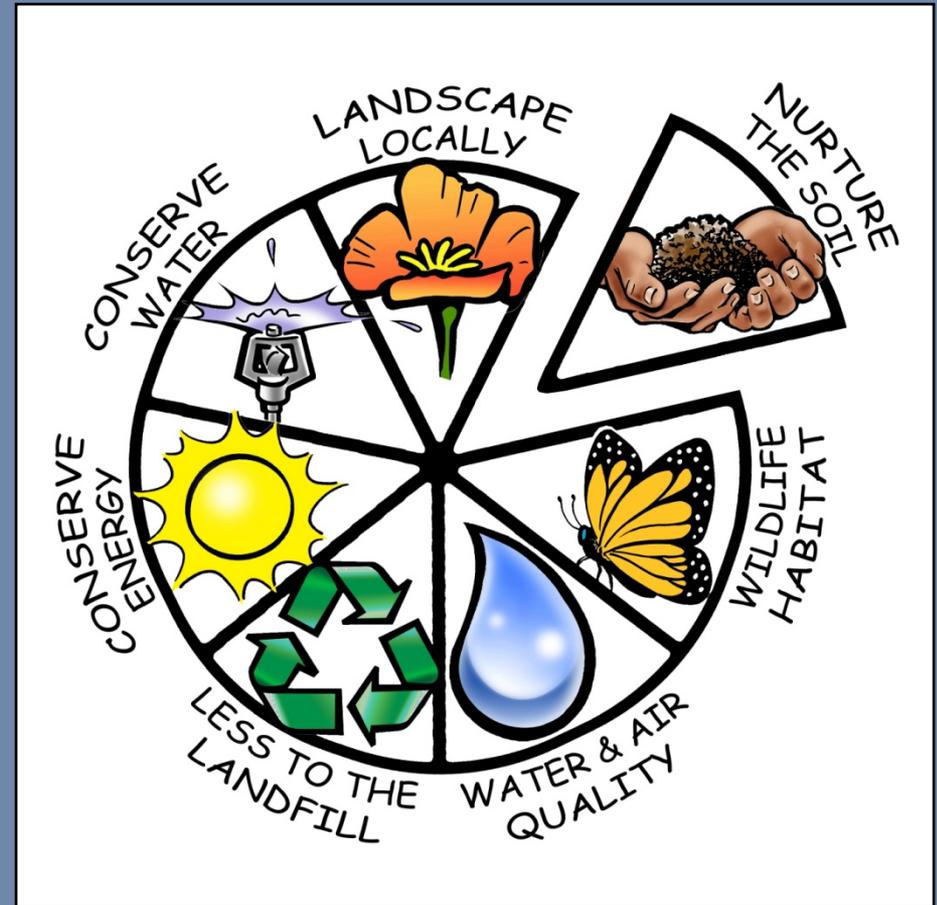


- **Grasscycle**
- **Produce mulch on-site from plant debris**
- **Compost plant debris on-site**
- **Separate plant debris for clean green discounts**
- **Use salvaged items & recycled content materials (LEED®)**

7 PRINCIPLES of BAY-FRIENDLY LANDSCAPING

1. Landscape Locally
2. Landscape for Less to the Landfill
3. Nurture the Soil

basic concept:
feed the soil





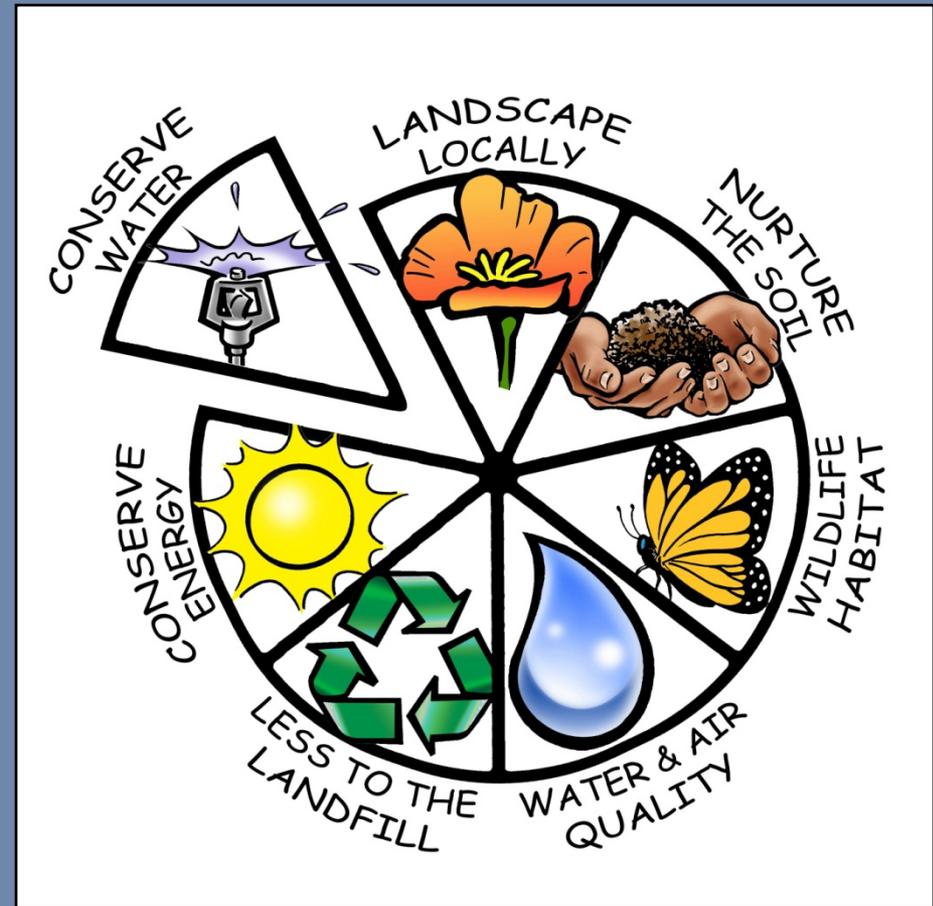
3. NURTURE THE SOIL

- Grasscycle
- Feed soils naturally with compost topdressing or tea
- Avoid synthetic, quick release fertilizers
- Minimize the use of chemical pesticides



7 PRINCIPLES of BAY-FRIENDLY LANDSCAPING

1. Landscape Locally
2. Landscape for Less to the Landfill
3. Nurture the Soil
4. **Conserve Water**
-regular shortages
-ordinances





4. CONSERVE WATER

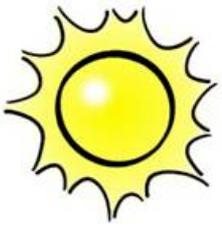


- Create drought-resistant soils with compost & mulch
- Grow CA natives or Mediterranean plants
- Minimize the lawn
- Group plants by water needs (hydrozoning)

7 PRINCIPLES of BAY-FRIENDLY LANDSCAPING

1. Landscape Locally
2. Landscape for Less to the Landfill
3. Nurture the Soil
4. Conserve Water
5. **Conserve Energy**
-fossil fuel
consumption





5. CONSERVE ENERGY

- Plant trees to moderate building temperatures
- Reduce the heat island effect: shade paved areas
- Shade air conditioners
- Design lighting carefully
- Energy conserving equipment
- Specify local products & suppliers



7 PRINCIPLES of BAY-FRIENDLY LANDSCAPING

1. Landscape Locally
2. Landscape for Less to the Landfill
3. Nurture the Soil
4. Conserve Water
5. Conserve Energy
6. **Protect Water & Air Quality**
 - global warming
 - stormwater runoff





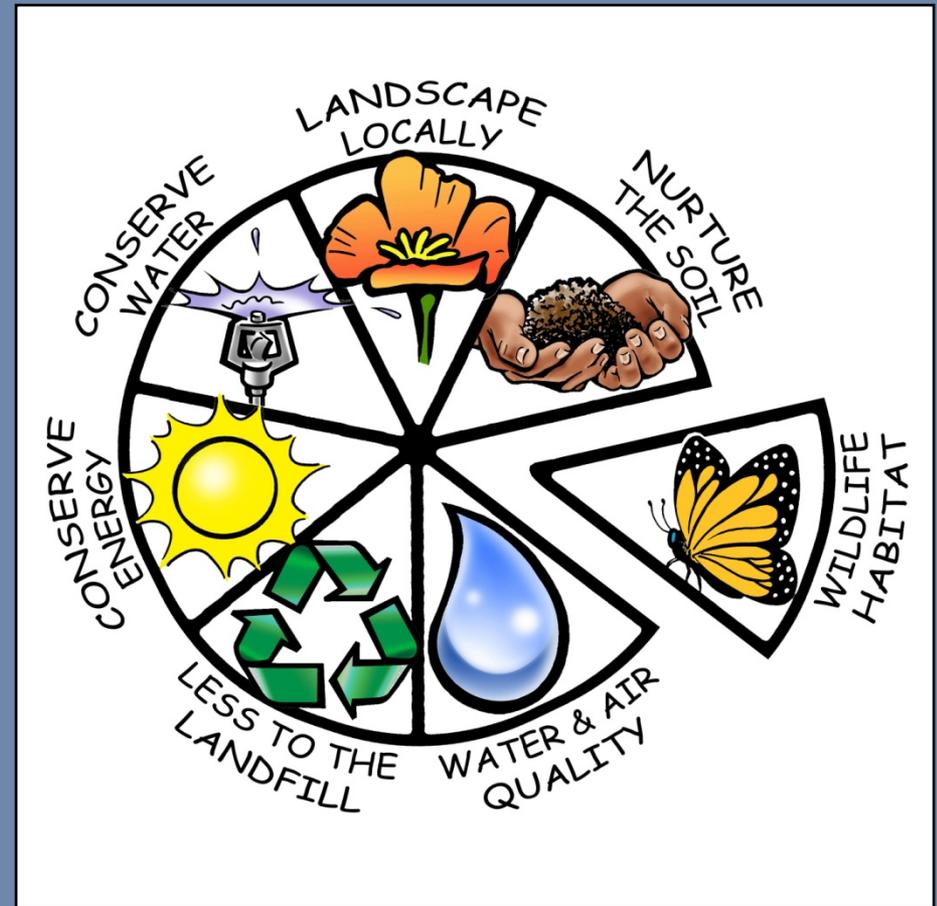
6. PROTECT WATER & AIR QUALITY

- Keep organic matter where it belongs
- Minimize impervious surfaces (LEED®)
- Plant trees
- Choose & maintain equipment & vehicles carefully



7 PRINCIPLES of BAY-FRIENDLY LANDSCAPING

1. Landscape Locally
2. Landscape for Less to the Landfill
3. Nurture the Soil
4. Conserve Water
5. Conserve Energy
6. Protect Water & Air Quality
7. **Create Wildlife Habitat**
 - aesthetics
 - pest control





7. CREATE WILDLIFE HABITAT

- Diversify
- Choose CA natives first
- Provide water & shelter
- Eliminate the use of pesticides
- Conserve or restore natural areas & wildlife corridors (LEED®)





Is BAY-FRIENDLY LANDSCAPING...

- Organic Landscaping?
- Integrated Pest Management?
- Permaculture?
- Native landscaping?
- Sustainable landscaping?



BAY-FRIENDLY LANDSCAPING IS...

Bay-Friendly landscaping is an integrated pest, waste, water, air and soil management system

BENEFITS OF BAY-FRIENDLY LANDSCAPING

- Less waste
- Cleaner water & air
- Lower water & garbage bills
- Greater abundance of wildlife
- Healthier homes & communities
- Healthier soils and landscapes





BENEFITS OF BAY-FRIENDLY LANDSCAPING

Almost 50% of single-family households that employ a professional landscaper would pay more for a service that uses environmentally friendly practices.

Evans/McDonough Company

November 2002



Class Schedule & Syllabus

- *Overview of BFL & Site Analysis*
- *Soil & Nutrition Management*
- *Waste Management*
- *Water Management*
- *Integrated Pest Management*
- *Pollution Prevention & Wildlife Habitat Exam*

Guest Instructors

- Heidi Fisher, Soil Plant Lab
- Brian Debasitis, Mauby All Natural
- Geoff Hall, Sentient Landscape
- Loren McIrvine, Allied Landscape Services
- Jon Bauer, EBMUD
- Dave Langridge, EBMUD
- YOU!

Hands On & Demonstration Activities

- Sampling soil
- Understanding soil analysis reports
- Soil texture by feel
- Identifying quality compost
- Sheet mulching
- Maintaining drip irrigation systems
- Setting and managing irrigation controllers
- Least toxic weed control products





Requirements for Qualification

- **Attend all classes, totaling 20 hours**
- **Pass a written exam (70% correct)**



Bay-Friendly Landscaping for Professionals

Bay-Friendly Landscape Guidelines: Sustainable Practices for the Landscape Professional

