Southern California Gas Company

A Sempra Energy utility®

SUSTAINABLE LANDSCAPE DEMONSTRATION GARDEN

Stewardship for a Brighter Tomorrow

In a continuous effort to reduce energy and water usage, we have renovated the landscape at the Energy Resource Center (ERC) as an eco-friendly demonstration. This is one of the ways we offer our customers training in energy and water conservation opportunities and also obtain a higher LEED certification. Our sustainable landscape includes the use of climate-appropriate plant material, smart irrigation and stormwater management.

Stormwater Management

The stormwater management application on our landscape captures tens of thousands of gallons of potentially hazardous runoff and is ocean friendly. Here's how it works:

- Rain is captured on the roof with drains, grates and gutters
- The runoff is then transported throughout the landscape by perforated pipes in gravel-filled trenches, eliminating standing water
- The pipes eventually lead the water to dry streambeds where much of it will sit and infiltrate
- To minimize erosion, excessive and possibly damaging runoff from large storms is directed to overflow drains that quickly transport it to the storm drain system

Featured Plant Communities

Our sustainable landscape highlights eight plant communities and each will not only thrive in Southern California's hot, dry climate, but also conserve energy and water.

The highlighted plant communities include:

- Sage and Chaparral Plant Community
- Coastal Flowering Plant Community
- Fire-resistant Plant Community
- Woodland Understory Plant Community
- Edible Ornamentals Plant Community
- Mediterranean-style Plant Community
- Native Flowering Ground Covers Community
- Bio-swale Meadow Plant Community

Applied Smart Irrigation

Our sustainable landscape utilizes a highly durable subsurface drip irrigation system and smart-controller. The irrigation controller is weather-based and uses local data gathered via satellite to self-adjust watering duration and frequency.

Benefits:

- Easy to maintain
- Reduces water use by up to 60 percent
- Minimizes loss from evaporation
- Controller can be manually adjusted
- Alleviates plant disease caused by over watering
- Prevents over watering

Front of demonstration landscape at the ERC: March 2012

August 2013

Individual Plant Community Selections

Sage and Chaparral Plant Community

- Toyon *(Heteromeles arbutifolia)*
- Lemonade Berry *(Rhus integrifolia)*
- Cleveland Sage *(Salvia clevelandii)*

Edible Ornamentals Plant Community

- English Lavender *(Lavandula angustifolia)*
- Rosemary *(Rosmarinus officinalis)*

Coastal Flowering Plant Community

- Common Yarrow *(Achillea millefolium)*
- Sundrops *(Calylophus hartwegii)*
- Beard Tongue *(Penstemon)*

Mediterranean Plant Community

- Japanese Barberry *(Berberis thunbergii)*
- Spanish Lavender *(Lavandula stoechas)*
- California Wild Rose *(Rosa californica)*

Fire-resistant Plant Community

- Pacific Mist *(Arctostaphylos)*
- Dwarf Coyote Brush *(Baccharis pilularis)*
- Carmel Creeper *(Ceanothus griseus horizontalis)*

Native Flowering Groundcovers Community

- Sundrops *(Calylophus hartwegii)*
- Beach Aster *(Erigeron glaucus)*

Woodland Understory Plant Community

- Coral Bells *(Heuchera micrantha)*
- Douglas Iris *(Iris douglasiana)*

Bio-swale Meadow Plant Community

- California Meadow Sedge *(Carex pansa)*
- Red Hot Poker *(Kniphofia uvaria)*
- Pink Muhly *(Muhlenbergia capillaris)*

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