Water-Wise Plant Show
October 15, 2019

Presented By:

AGENDA

6:30 pm  Welcome and Introduction
Patrick Costello, Water Resources Analyst, City of Napa

6:40 pm  Plant Selection
Katherine Novick, Native Valley Landscape Design

7:20 pm  BREAK
Plants on Display

7:30 pm  Landscape Design
Katherine Novick, Native Valley Landscape Design

8:15 pm  California Native Plant Society
Sandie Hewitt, CNPS Napa Valley Chapter

8:25 pm  Door Prizes

8:30 pm  Goodbye

City Meeting Water Conservation Targets
(State Law SBx7-7)

1997-2002
Avg 170 gpcd

2020 Target = 132 gpcd

Projection
Post-2020: SB 606 and AB 1668

Urban Water Use
Typical Single-Family Residence

Landscape Conservation
CASH FOR GRASS

Rebate Amount:
- $1.00 per square foot (St. Helena $1.50)
- Site maximum: $2,500 (2,500 sq. ft. equivalent)
($750 maximum for Single-Family Residential)

Requirements for Converted Areas:
- Low-water-use, climate-appropriate plants must cover at least 50% of area
- Hardscape must be permeable
If irrigation system is used for the converted area, it must be low-volume drip.

A Free On-Line Resource
www.napa.watersavingplants.com
- Visit the inspiring Garden Gallery.
- Browse more than 1,000 climate-appropriate plants.
- Create a printable plant list.
- Find design, irrigation, and maintenance tips.
Demonstration Gardens

Plant Selection
Katherine Novick
Native Valley Landscape Design

Water-Wise Plants
Some Typical Identifying Features
- Small Leaves
- Gray or Hairy Foliage
- Resinous or Waxy Coating on Leaves
- Fragrant Foliage
- Dormant Periods Corresponding to Drought
- Water Storage Ability: Succulents, Cacti
- Native to Mediterranean Climates: California, Chile, South Africa, Australia, Mediterranean Sea Area
- Native to Dry Western States

Plant Factors / Water Needs
WUCOLS: [https://ucanr.edu/sites/WUCOLS/](https://ucanr.edu/sites/WUCOLS/)
As looked up for Napa in Region 1
(another region may have different results)
- VL – Very Low
- L - Low
- M – Moderate
- H - High
Trees

*Arbutus unedo*
Strawberry Tree

*Cercis occidentalis*
Western Redbud

*Feijoa sellowiana*
Pineapple guava
**Luma apiculata**  
Chilean Myrtle

**Pistacia chinensis**  
Chinese Pistache

**X Chitalpa tashkentensis**  
Chitalpa

**Shrubs**
Ceanothus ‘Concha’
Concha California Lilac

Arctostaphylos densiflora ‘Howard McMinn’
Manzanita

Baccharis pilularis ‘Pigeon Point’
Dwarf Coyote Bush

Carpenteria californica
Bush Anemone
Artemisia 'Powis Castle'

Correa 'Dusky Bells'
Australian Fuchsia

Ribes sanguineum
Pink-flowering Currant

Rhamnus californica
Coffeeberry
Perennials

Iris douglasiana
Pacific Coast Hybrids

Penstemon
Beard Tongue

Salvia
Sage
Achillea
Yarrow

Mimulus aurantiacus
Monkey Flower

Heuchera maxima
Coral Bells

Succulents – Echeveria,
Sedum, and Sempervivum
Zauschneria californica
California fuchsia

Muhlenbergia rigens
Deer Grass

Grasses

Festuca glauca 'Siskiyou Blue'
Blue Fescue
**Festuca californica**  
California Fescue

**Juncus patens**  
California Grey Rush

**Leymus condensatus**  
Canyon Prince Wild Rye

**Bouteloua gracilis**  
Blue Grama Grass
Vines

*Clytostoma callistegioides*
Violet Trumpet Vine

*Hardenbergia violacea* ‘Happy Wanderer’
Lilac vine

*Clematis lasiantha*
Native Clematis

*Vitis californica* ‘Roger’s Red’
Groundcovers

- Arctostaphylos 'Emerald Carpet'
- Manzanita

- Symphoricarpus mollis
  - Creeping Snowberry

- Myoporum parvifolium
  - Myoporum
**Thymus**
Thyme

**Fragaria vesca**
Woodland strawberry

**Dymondia margaretae**
Silver Carpet

**QUESTIONS ?**
BREAK

Plants on Display

Thanks to:
Van Winden’s Garden Center
CNPS Napa Valley Chapter

Landscape Design

Katherine Novick
Native Valley Landscape Design

Native Valley Landscape Design specializes in ecological design principles with an emphasis on habitat building and Residential Restoration using modern design aesthetics. Our design process typically incorporates many of the methods listed below:

- Invasive Species Identification and Removal
- Lawn Reduction or Removal
- Water Catchment Features
- Incorporating Permeable Hardscaping
- Use of Recycled Materials
- Native and Water-wise Plant Palettes
- Water-wise Irrigation
- Firewise materials and design choices
HOW TO DESIGN A WATER WISE GARDEN

- KNOW A PLANT’S WATER REQUIREMENTS BY GOING TO: https://ucanr.edu/sites/WUCOLS/Plant_Search/
- PLANT IN HYDROZONES: GROUP PLANTS WITH LOW AND MODERATE WATER NEEDS SEPARATELY
- CHOOSE NATIVES TO SUPPORT HABITAT
- REDUCE THE SIZE OR REMOVE YOUR LAWN
- SELECT PLANTS THAT WILL PROVIDE INTEREST ALL SEASON
- INCORPORATE PERMEABLE HARDSCAPE MATERIALS LIKE GRAVEL, FLAGSTONE AND PAVERS WITH JOINTS THAT ALLOW FOR DRAINAGE
- BUILD WATER CATCHMENT FEATURES SUCH AS SWALES AND RAIN GARDENS
- PLANT TREES FOR SHADE
- USE MULCH TO RETAIN MOISTURE IN SOIL

CONCEPT PLAN WITH PLANTING ZONES

FIREWISE PLANTING DESIGN WITH LOW FUEL AREA 5-10’ FROM HOME, AND VEGETATED SWALE FOR IMPROVED DRAINAGE
NATIVE SLOPE GARDEN

RECYCLED MATERIALS BEFORE AND AFTER
Permeable surfaces are created by removing an unused RV pad and repurposing the concrete to make gabion raised beds that were planted with native and low water plants.

NAPA URBAN COURTYARD WATER WISE GARDEN

DRY NATIVE DOMINANT GARDEN WITH NO IRRIGATION
DRY GARDEN IN DECOMPOSED GRANITE

- Agave and Aloe
- Muhlenbergia rigens
- Bouteloua gracilis
- Achillea millefolium
- Baccharis pilularis
QUESTIONS?

**California Native Plant Society**  
**Napa Valley Chapter**

- Spring and Fall Plant Sales  
- Martha Walker Native Habitat Garden  
- Gardening Resources  
- Events  
  ...and more

napavalleycnps.org

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**Imagine a Day Without Water**  
**October 23, 2019**  
Our water infrastructure supports every facet of our daily lives. Join your local water utility and elected officials in this day of education.  
#ValueWater cityofnapa.org/water

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**Imagine a Day Without Water**  
**October 23, 2019**  
**Trivia**
Upcoming Workshops in 2020

- Wednesday, February 26
  Rainwater Harvesting & Rain Gardens
- Wednesday, April 29
  Smart Irrigation & Drip Systems
- Wednesday, June 24
  Greywater Systems

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THANK YOU
FOR COMING!

For more info, visit
cityofnapa.org/water