

Conservation and Local Resources Committee

Item #3a

Subject: Monthly Update on Conservation Program

Purpose: Provide highlights of recent conservation activities

Conservation and Local Resources Committee

Item #3a

Summary

Metropolitan's conservation program highlights and program expenditures



Conservation Program

Conservation and Local Resources Committee

Item 3a

March 28, 2017

Conservation Expenditures

FY16/17 – FY17/18

	Paid*	Approved	Outstanding Requests
Devices	\$10.9M	\$2.8M	N/A
Member Agency	\$3.3M	\$10.6M	N/A
Turf Removal**	\$20.2M	\$1.5M	N/A
Other	\$0.7M	\$4.7M	N/A
TOTAL	\$35.1M	\$21.0M	N/A

*Modified Accrual as of February 28, 2017. Totals include admin fees when appropriate

**Includes Turf Removal Waiting List

Regional Landscape Efficiency Efforts

- Public Agency Landscape Program
- Residential Turf Removal Class
- Landscape Training for Professionals

Public Agency Actions Have Broad Positive Impacts



Public Agency Landscape Program

- Created to facilitate investments in landscape water efficiency
- Introduced in 2013 as a pilot program
- Re-authorized by the board August 1, 2016
- Provides up-front higher incentives to public agencies
- Online application at <http://SoCalWaterSmart.com>

Visible customers leading by example

Sample of previous customers



PAL Program at a Glance



1,200

paid applications
(2,000 applications
received)



\$4.2M

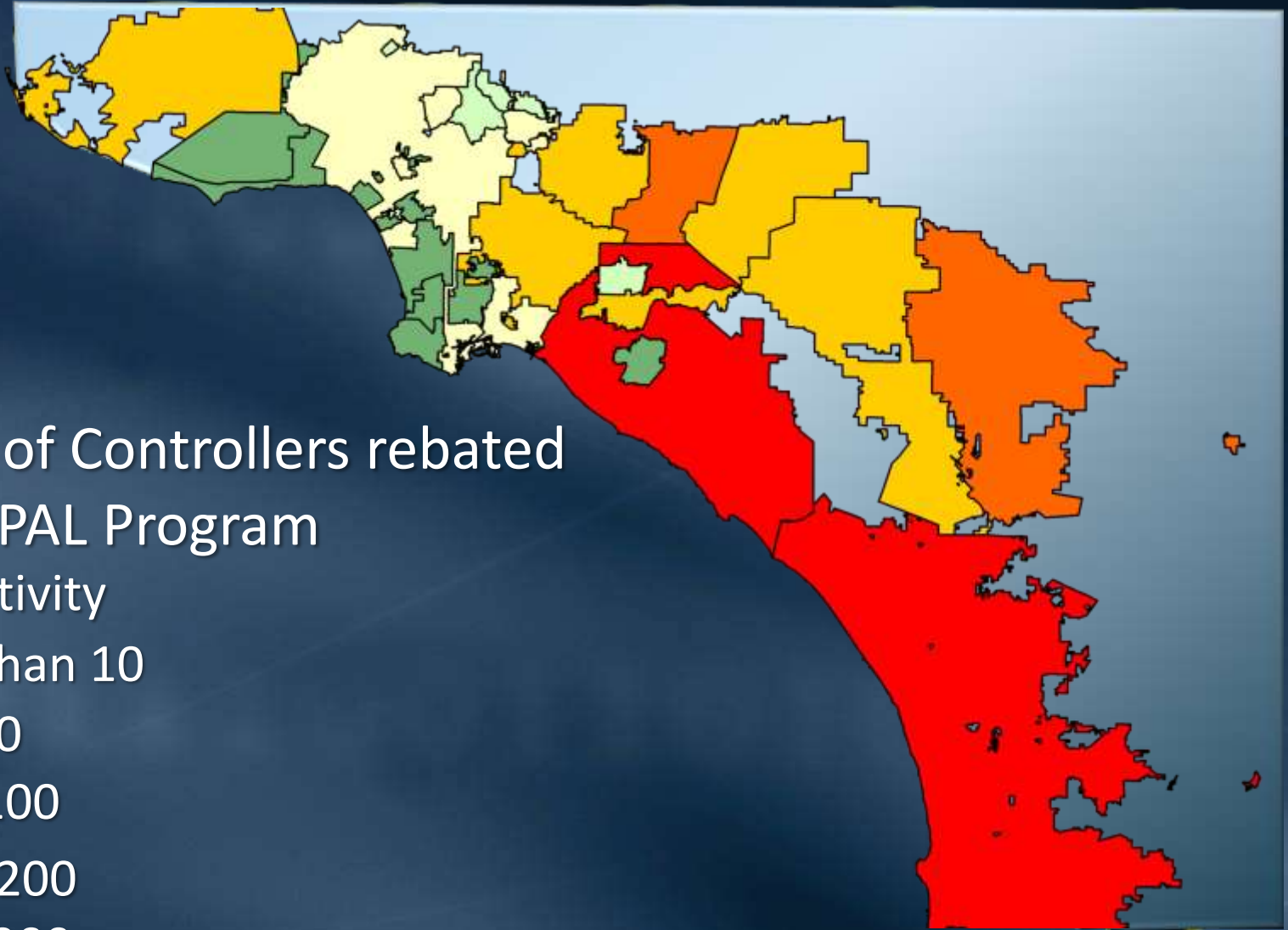
paid incentives



14 TAF

Estimated lifetime
water savings

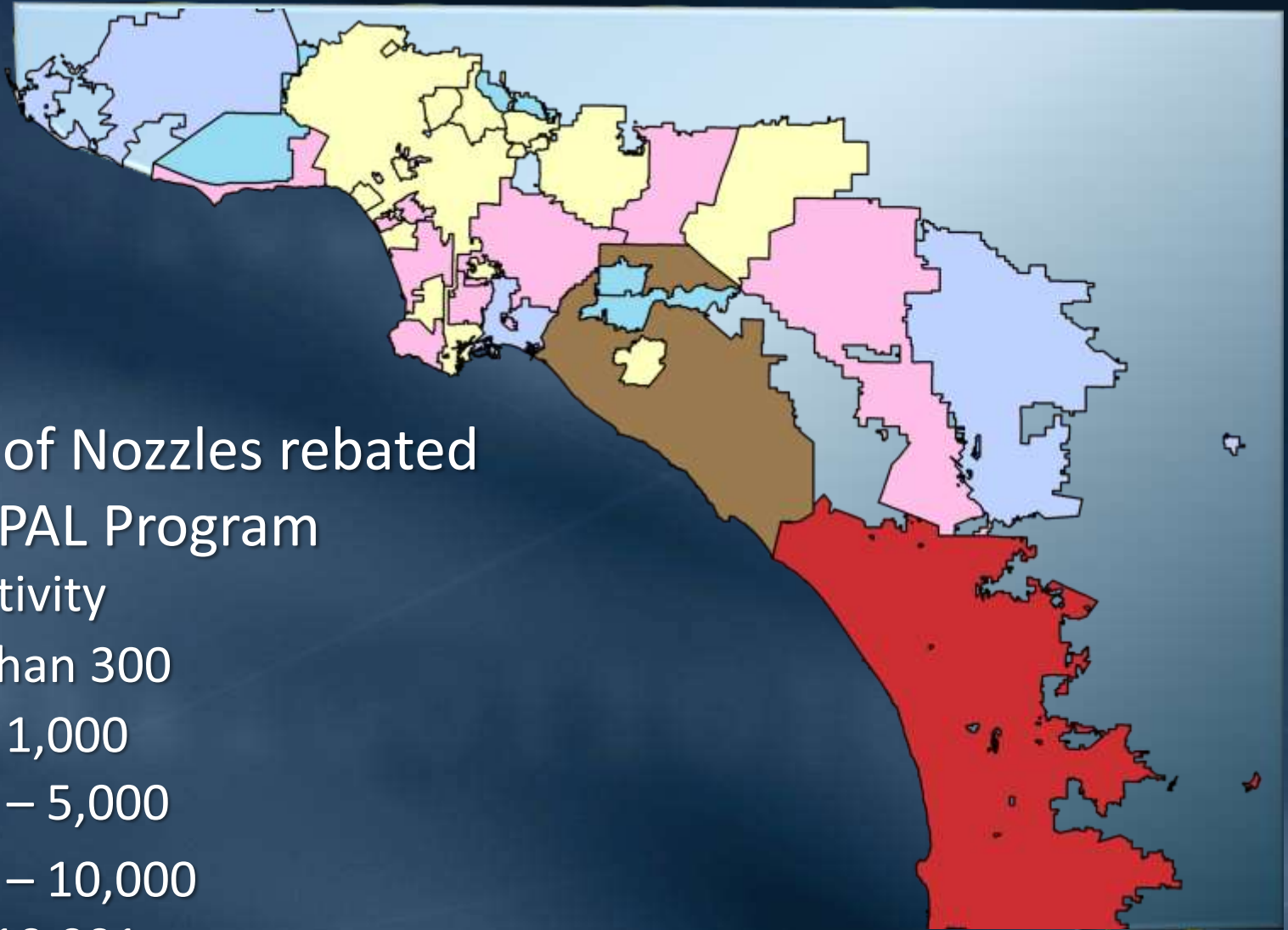
Controllers in 20 Member Agencies



Number of Controllers rebated through PAL Program

- No activity
- Less than 10
- 11 - 40
- 41 - 100
- 101 - 200
- Over 200

Nozzles in 13 Member Agencies



Number of Nozzles rebated through PAL Program

- Yellow: No activity
- Light Blue: Less than 300
- Medium Blue: 301 – 1,000
- Pink: 1,001 – 5,000
- Brown: 5,001 – 10,000
- Red: Over 10,001

Turf Removal Class Covers More than Just Removal of the Turf

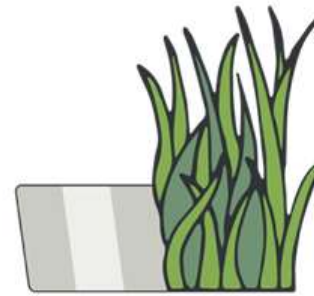
WORKSHOP TOPICS



Ready for booking!



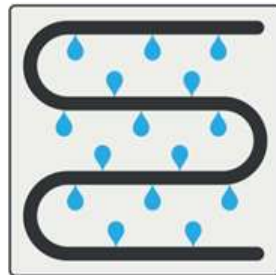
Design Considerations



Removal of Existing Grass



Soil Preparation



Irrigation System



Planting



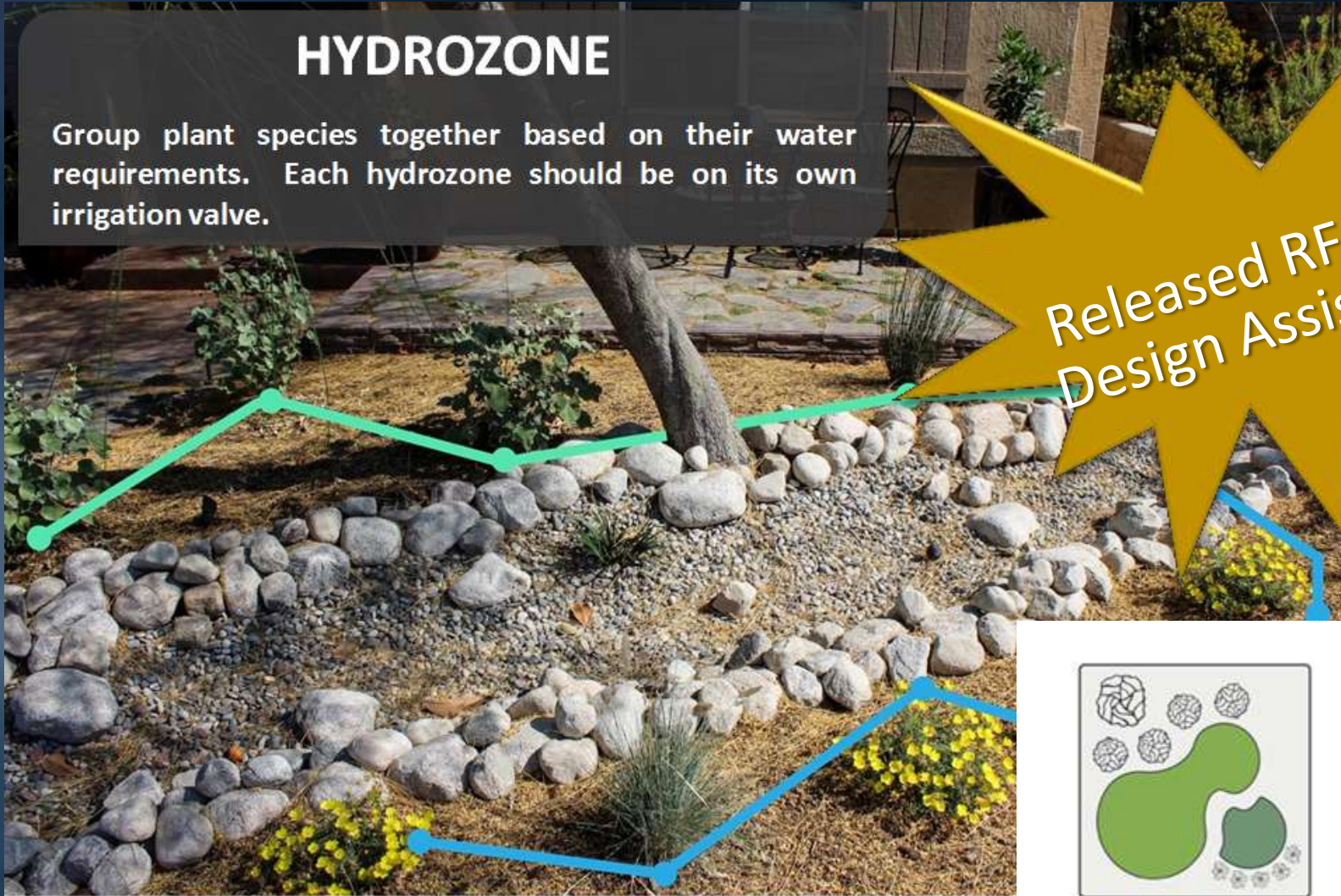
Garden Maintenance

Important to Have a Vision of the New Yard

HYDROZONE

Group plant species together based on their water requirements. Each hydrozone should be on its own irrigation valve.

Released RFQ for Design Assistance



Design Considerations

Design Considerations

Proper Removal of Turf

REMOVAL TECHNIQUES

COOL SEASON TURF

WARM SEASON TURF



	COOL SEASON TURF	WARM SEASON TURF
Smother		
Cut & Flip		NOT APPLICABLE
Solarization		
Sod Cut		



Removal of Existing Grass

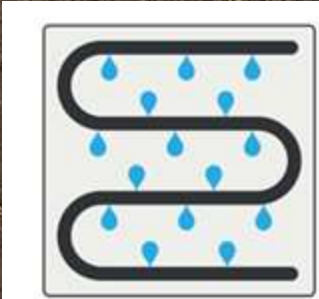
Removal of Existing Grass

Choosing the Best Irrigation System for the Project



**Drip Conversion
Kits**

Irrigation System



**Irrigation
System**

Adding California-Friendly Plants



Planting Techniques

Planting



Planting

Taking Care of the California-Friendly Yard



Don't waste your investment! Commit to Maintenance

- The first two years of upkeep are particularly important as the new garden gets established.
- This is the time when more weeding may need to take place.

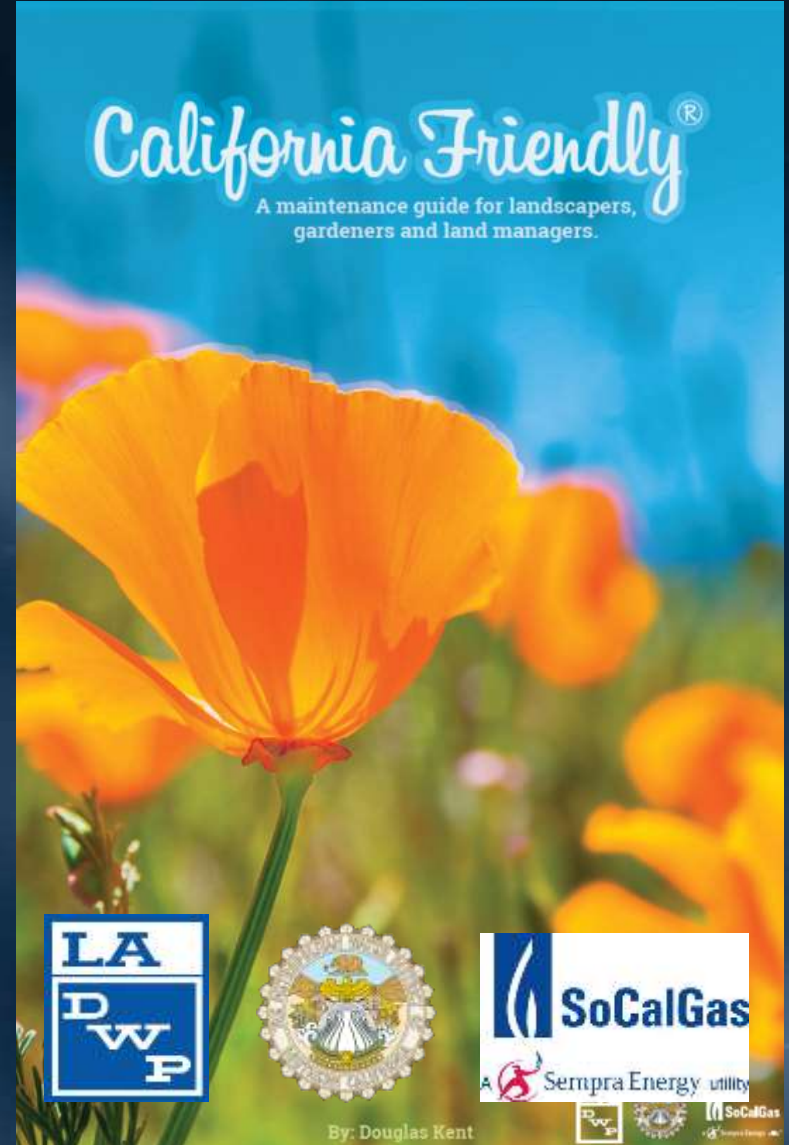
Garden Maintenance



Garden
Maintenance

Landscape Training for Professionals

- Maintenance guide for landscapers, gardeners, and land managers
- Available for free:
<http://bewaterwise.com>
- Working on new training class for professionals



Update on the Conservation Program Peer Review

Peer Review Goal

- Perform a thorough, but high level, review of Metropolitan's water conservation program efforts to date and offer insights and recommendations about how the program should evolve in the future.

Peer Review Coordinated by the Alliance for Water Efficiency

● Peer Reviewers:

- Southern Nevada Water Authority
- San Antonio Water System (Texas)
- New York City Department of Environmental Protection
- Cobb County Water Authority (Georgia)
- Arizona Municipal Water Users Association

● Moderators:

- Gauley and Associates
- WaterDM

Next Steps

- Summary of recommendations by peer review panel to be presented at the April 2017 C&LR
- Report on ongoing studies/research

