



OWC Committee

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**One Water (Conservation and Local
Resources) Committee**

Meeting with Board of Directors *

April 26, 2022

10:30 a.m.

Teleconference meetings will continue until further notice. Live streaming is available for all board and committee meetings on mwdh2o.com ([Click Here](#))

A listen only phone line is also available at 1-800-603-9516; enter code: 2176868#. Members of the public may present their comments to the Board on matters within their jurisdiction as listed on the agenda via teleconference only. To participate call (404) 400-0335 and enter Code: 9601962.

**Tuesday, April 26, 2022
Meeting Schedule**

09:00 am - Sp OP&T
10:30 am - OWC
11:30 am - Break
12:00 pm - Exec
12:30 pm - Sp BOD
02:00 pm - Sp WP&S

MWD Headquarters Building • 700 N. Alameda Street • Los Angeles, CA 90012

* The Metropolitan Water District's meeting of this Committee is noticed as a joint committee meeting with the Board of Directors for the purpose of compliance with the Brown Act. Members of the Board who are not assigned to this Committee may participate as members of the Board, whether or not a quorum of the Board is present. In order to preserve the function of the committee as advisory to the Board, members of the Board who are not assigned to this Committee will not vote on matters before this Committee.

- 1. Opportunity for members of the public to address the committee on matters within the committee's jurisdiction (As required by Gov. Code Section 54954.3(a))**

**** CONSENT CALENDAR ITEMS -- ACTION ****

- 2. CONSENT CALENDAR OTHER ITEMS - ACTION**

NONE

- 3. CONSENT CALENDAR ITEMS - ACTION**

NONE

**** END OF CONSENT CALENDAR ITEMS ****

- 4. OTHER BOARD ITEMS - ACTION**

NONE

5. BOARD INFORMATION ITEMS

NONE

6. COMMITTEE ITEMS

- a. Update on New and Modified Conservation Programs [21-1071](#)

Attachments: [04262022 OWC 6a Presentation](#)

- b. Eliminating Non-Functional Turf - Southern Nevada Water Authority Progress [21-1072](#)

Attachments: [04262022 OWC 6b Presentation](#)

- c. Governor's Executive Order and Metropolitan's Activities Related to Non-Functional Turf [21-1073](#)

Attachments: [04262022 OWC 6c Presentation](#)

- d. Update on Agreement to Administer Water Conservation Program [21-1074](#)

Attachments: [04262022 OWC 6d Presentation](#)

7. MANAGEMENT REPORTS

- a. Water Resource Management Manager's Report [21-1076](#)

8. FOLLOW-UP ITEMS

NONE

9. FUTURE AGENDA ITEMS

10. ADJOURNMENT

NOTE: This committee reviews items and makes a recommendation for final action to the full Board of Directors. Final action will be taken by the Board of Directors. Agendas for the meeting of the Board of Directors may be obtained from the Board Executive Secretary. This committee will not take any final action that is binding on the Board, even when a quorum of the Board is present.

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site <http://www.mwdh2o.com>.

Requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation.



One Water Committee

Update on New & Modified Conservation Programs

Item #6a
April 26, 2022

Today's Presentation

- Trends for Current Turf & Device Activity
- New & Modified Conservation Programs
- Conservation Expenditures

Trends in Turf & Device Activity

Turf Replacement Program Activity FY 2020/21 & FY2021/22



7.09 million square feet (sf)

57% Residential

43% Commercial, Industrial, Institutional (CII)

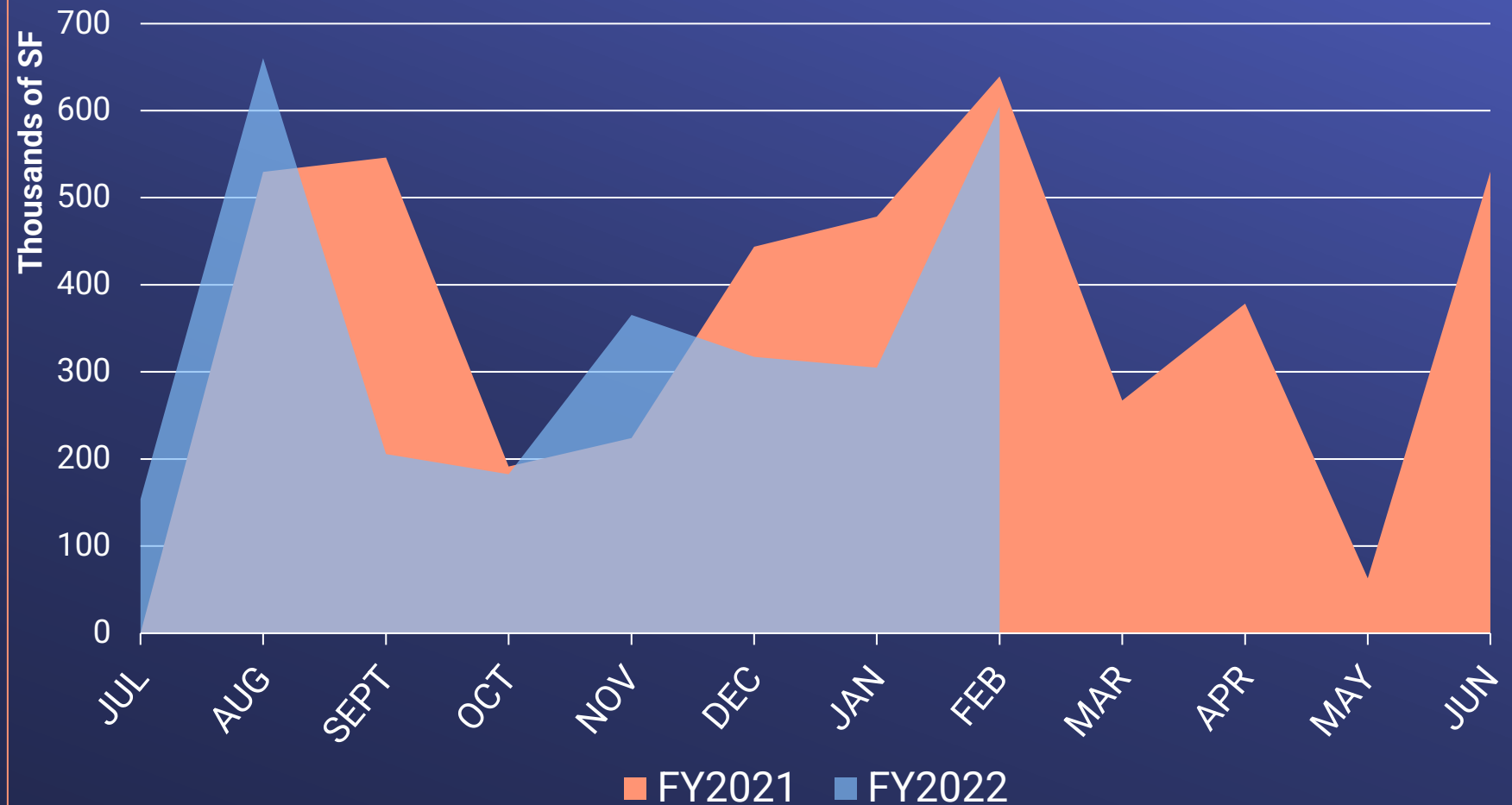
Average project sizes

Residential: 1,580 sf

CII: 14,450 sf



Turf Replacement Program Activity

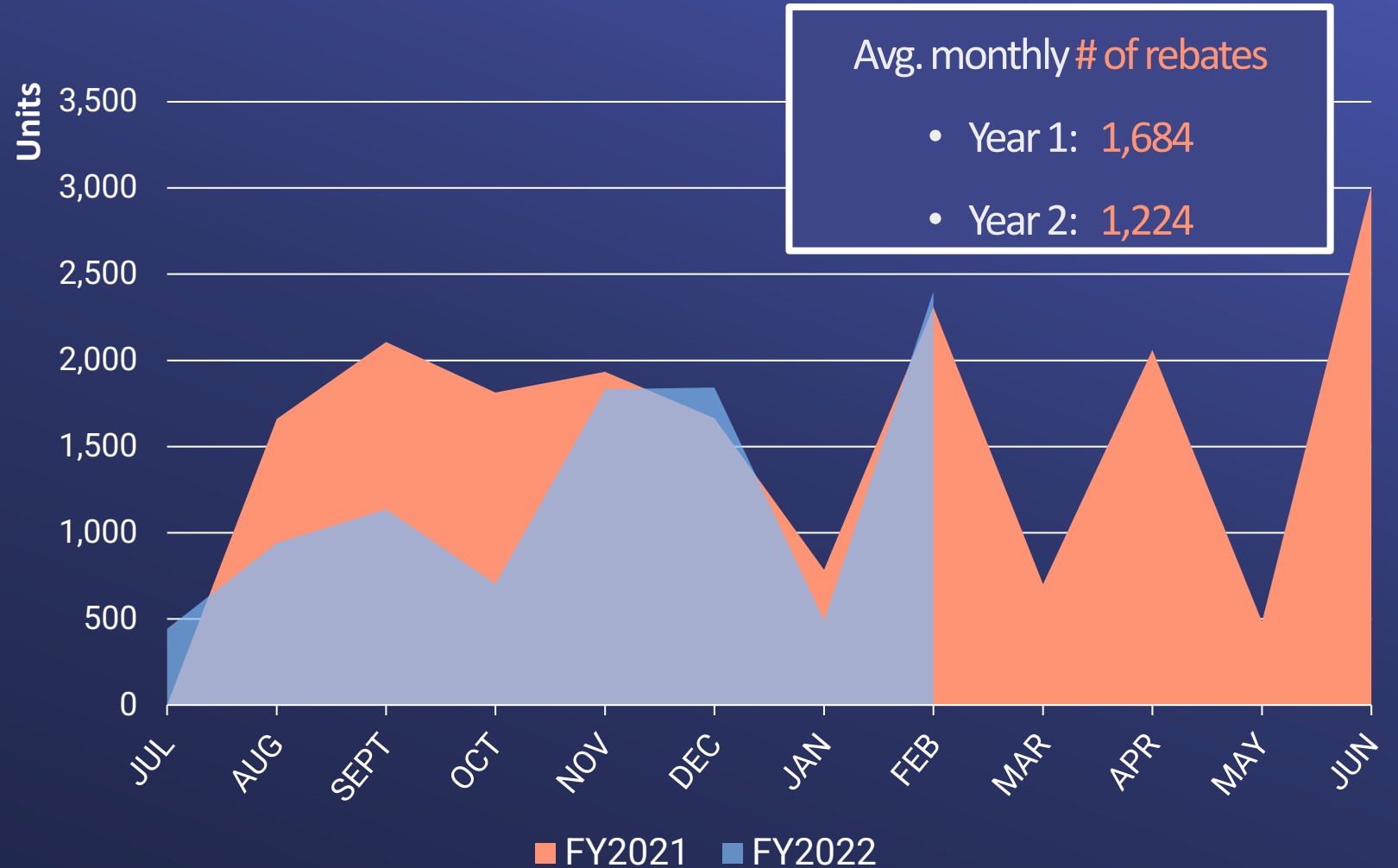


Avg. monthly turf replaced

- Year 1: 390,000 sf
- Year 2: 349,000 sf

Projecting nearly 8.5 million sf
turf replaced by the end of
the budget cycle

Device Activity Residential Clothes Washers



28,300 units: 25% installed directly in income-qualified homes

Projecting nearly 33,000 units rebated by end of budget cycle

Updates on New & Modified Conservation Programs

Recent Board Direction to Expand Conservation Activities

November 9,
2021

**Board approval of new
and modified
programs**

**Expanded So
Cal Gas
Direct Install
Program**

**Municipal
Leak
Program &
MAAP Public
Agency**

**Expanded
Multi-Family
Property
Toilet
Replacement
Program**

**Public Agency
Turf
Replacement
Program**

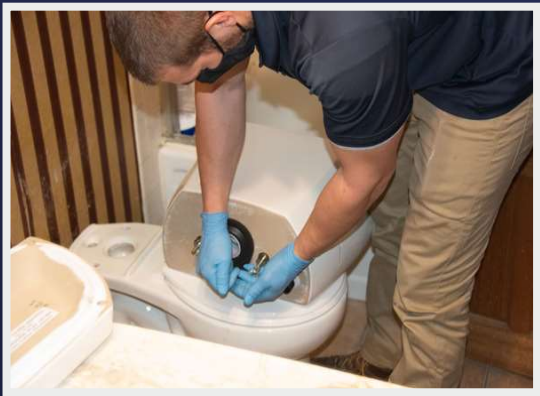
Program
launch dates:

November 22,
2021

January 6,
2022

January 18,
2022

February 20,
2022

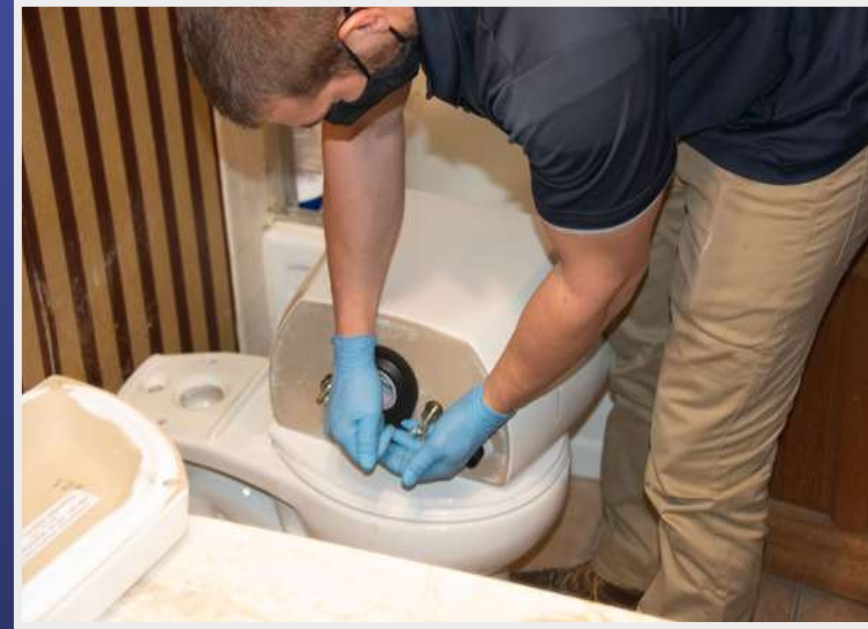


Southern California Gas Company Direct Installation Expansion

Over 1,400 homes have received cold water measure installations

- 2,100+ Toilets
- 520+ Smart Irrigation Controllers

Homes are qualified for high efficiency clothes washer installation, and provided high efficiency showerheads and faucet aerators



Municipal Leak Detection & Repair Pilot Program

Current Snapshot

- Applications received for ~2,750 miles of leak detection and repair
 - MWDOC
 - SDCWA
 - Long Beach
 - Foothill MWD
 - Santa Ana
 - Western MWD



Metropolitan provides \$100 rebate

- Flow monitor devices measure and communicate real-time water use
- Residents view information and receive leak alerts through smart phone or tablet portal

Residential Flow Monitor Device Pilot Incentive



Member
Agency
Administered
Program **Public
Agency
Category**

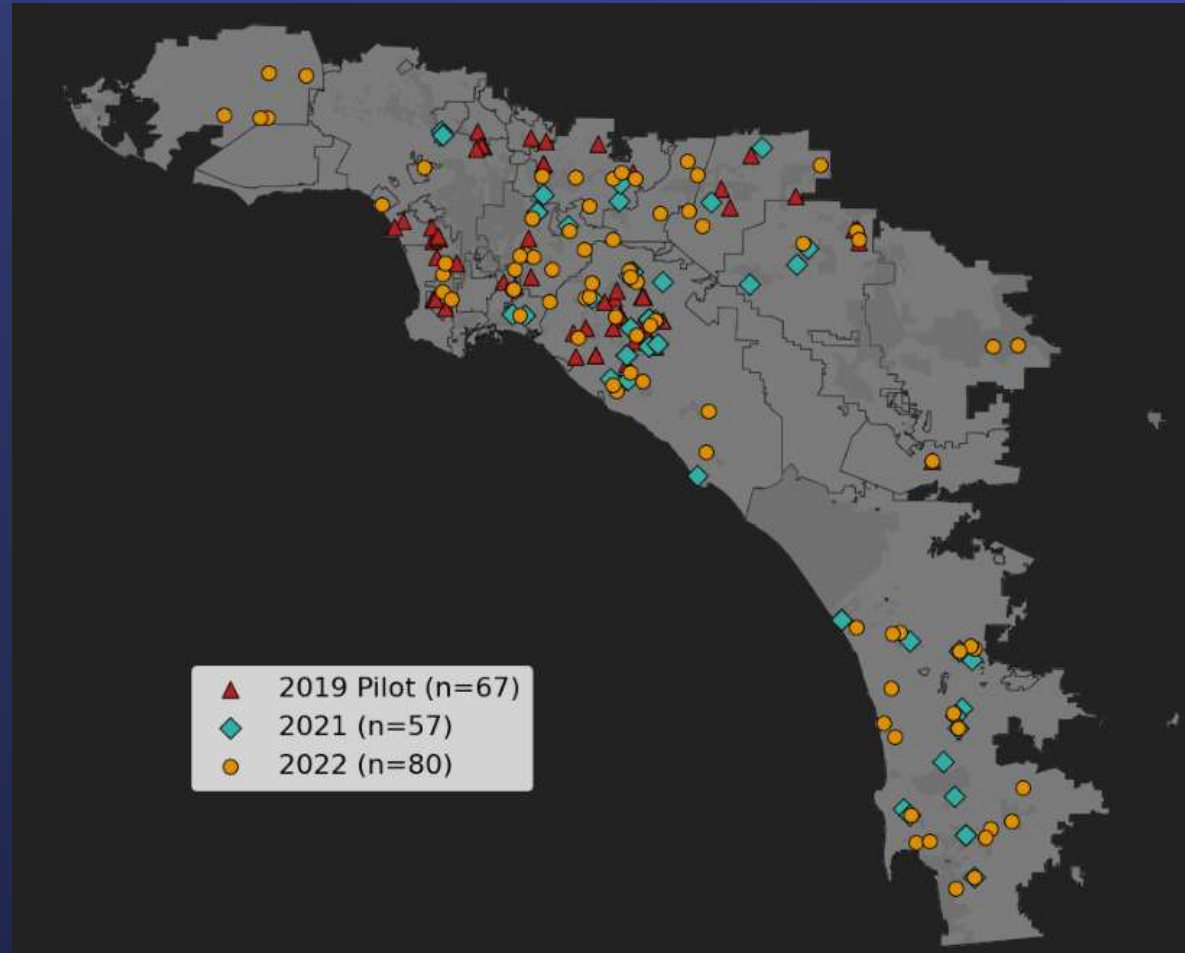
Projects Received to Date

- Drought Outreach
 - 3 MAs submitted 6 projects
- Long-term Framework Assistance
 - MWDOC dedicated irrigation meter project



Multifamily Property Toilet Replacement Program

- Modified program was launched in January 2022
- 80 applications
- 17,200+ reservations for toilet replacements



Program experiencing significant delays; supply chain issues and current demand for toilets that still outpaces available supply

Public Agency Turf Replacement Program & Technical Assistance

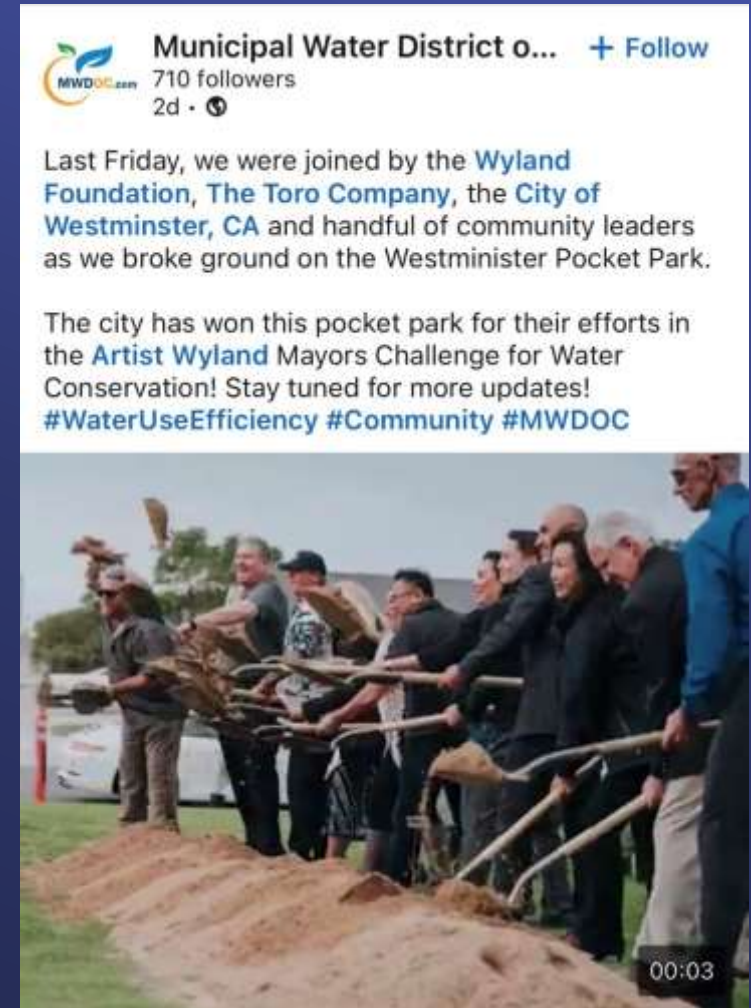
Provides \$3 per square foot
for turf replacement projects
on public agency property
and optional project
assistance services

Project Technical Assistance Program

- Los Angeles County Parks and Recreation
 - Planning phase for turf replacement at 6 parks in underserved areas
- City of Thousand Oaks
 - Replacement projects in city parkways and green belts
- City of Rancho Cucamonga
 - 53,000 square foot project
 - Remove turf and replace with drought tolerant plants

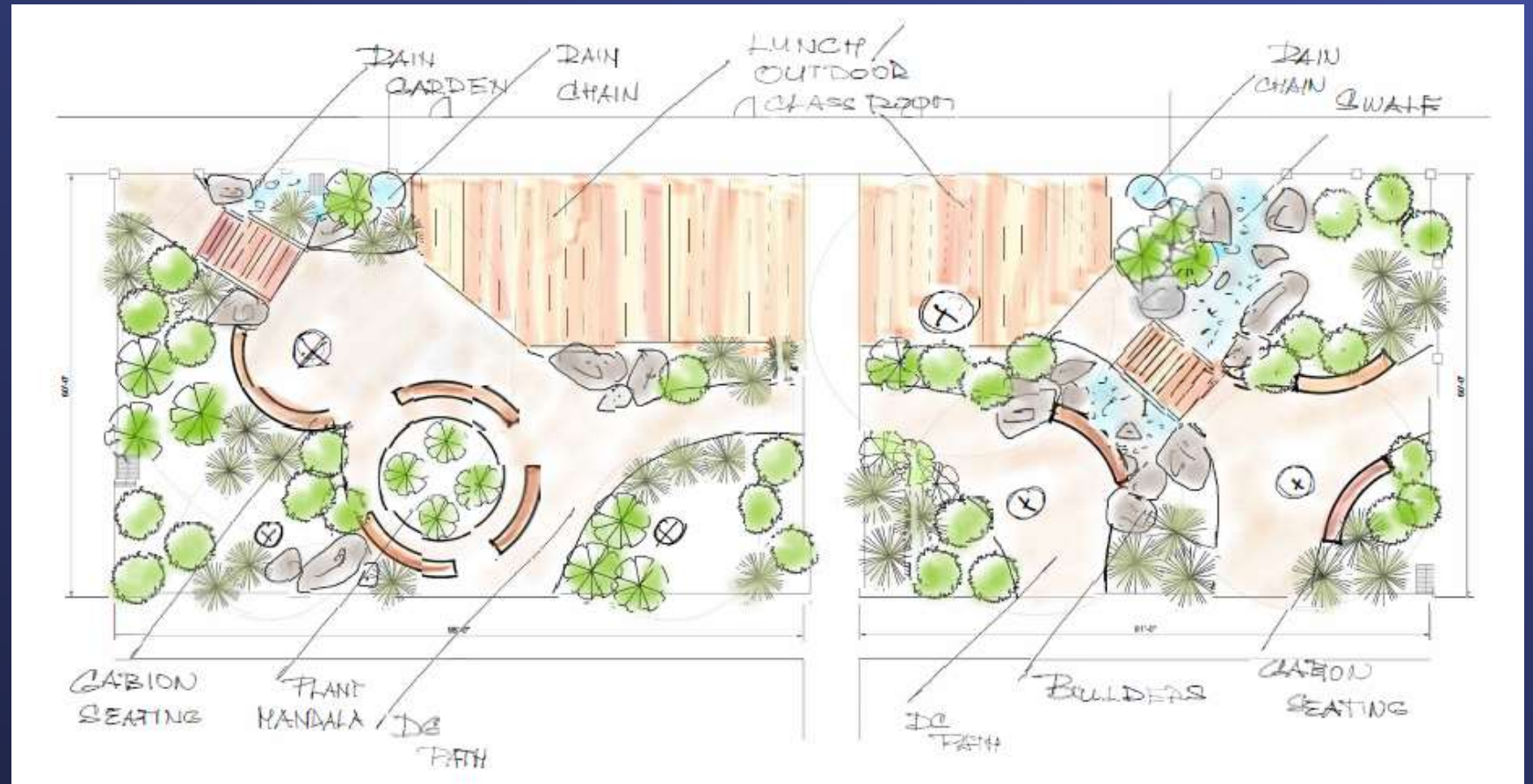
Coronet Park Demonstration Garden, City of Westminster

Public Agency Turf Replacement Program Applications



Community Roots Academy Outdoor Classroom, Capistrano Unified School District

Public Agency Turf Replacement Program Applications



Conservation Expenditures

Conservation Expenditures

FY 20/21 & FY21/22

	Paid ⁽²⁾	Committed ⁽³⁾
Regional Devices	\$6.7M	\$8.1M
Member Agency Administered	\$2.7M	\$6.5M
Turf Replacement	\$13.9M	\$16.0M
Advertising	\$0.2M	\$4.3M
Other	\$2.4M	\$1.2M
TOTAL	\$25.9M	\$36.1M

(1) The Conservation Program biennial expenditure authorization was \$86M and expected expenditures for rate setting purposes were \$50M.

(2) As of 7/1/2020 –2/28/2022.

(3) Committed dollars as of March 10, 2022.

Summary of Expenditures in February 2022: \$1,988,269

What we
expect to see
by the **end of**
the budget
cycle.

Total spent to date		July 1, 2020 – February 28, 2022
	\$25.9M	
Device/Turf Activity	\$6.0M	March – June up to \$1.5M* per month
Member Agency Administered	\$6.5M	Committed & expected to spend
Advertising	\$4.5M	External Affairs led conservation messaging
Total Projected Expenditures		~\$43M

*Activity may increase with Metropolitan
marketing & potential for mandatory
conservation

Next Steps

- Continue to market and promote programs
- Continue to work with public agencies on turf replacement projects
- Utilize newly received DWR grant funding to increase residential and commercial program activity





ONE WATER COMMITTEE

APRIL 26, 2022

ITEM 6B

NONFUNCTIONAL TURF REMOVAL

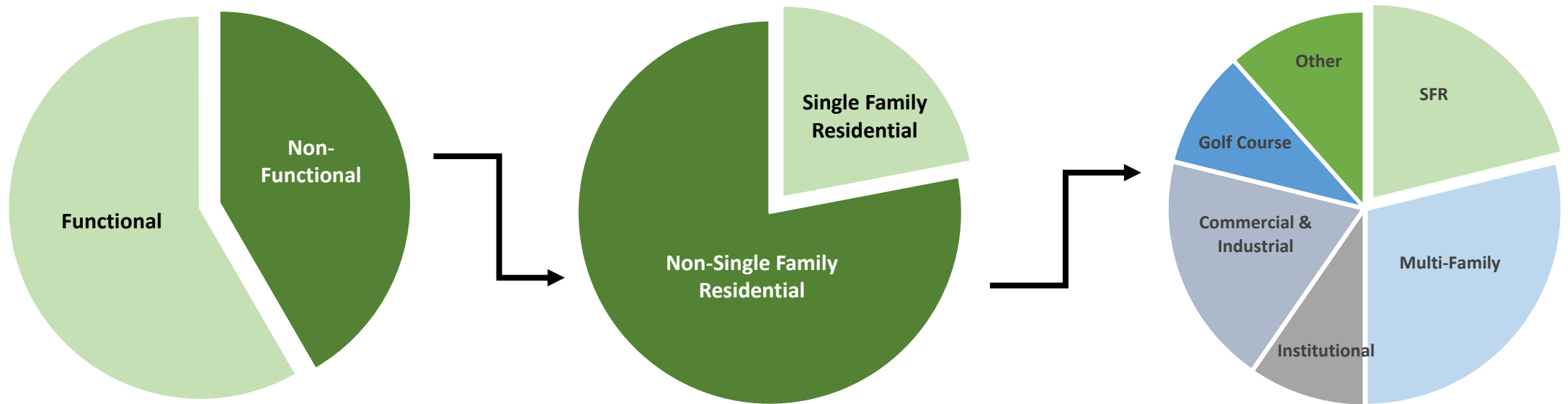
COLBY N. PELLEGRINO

DEPUTY GENERAL MANAGER, RESOURCES



SOUTHERN NEVADA WATER AUTHORITY™

**Most remaining non-functional turf
is not at single-family residential properties.**



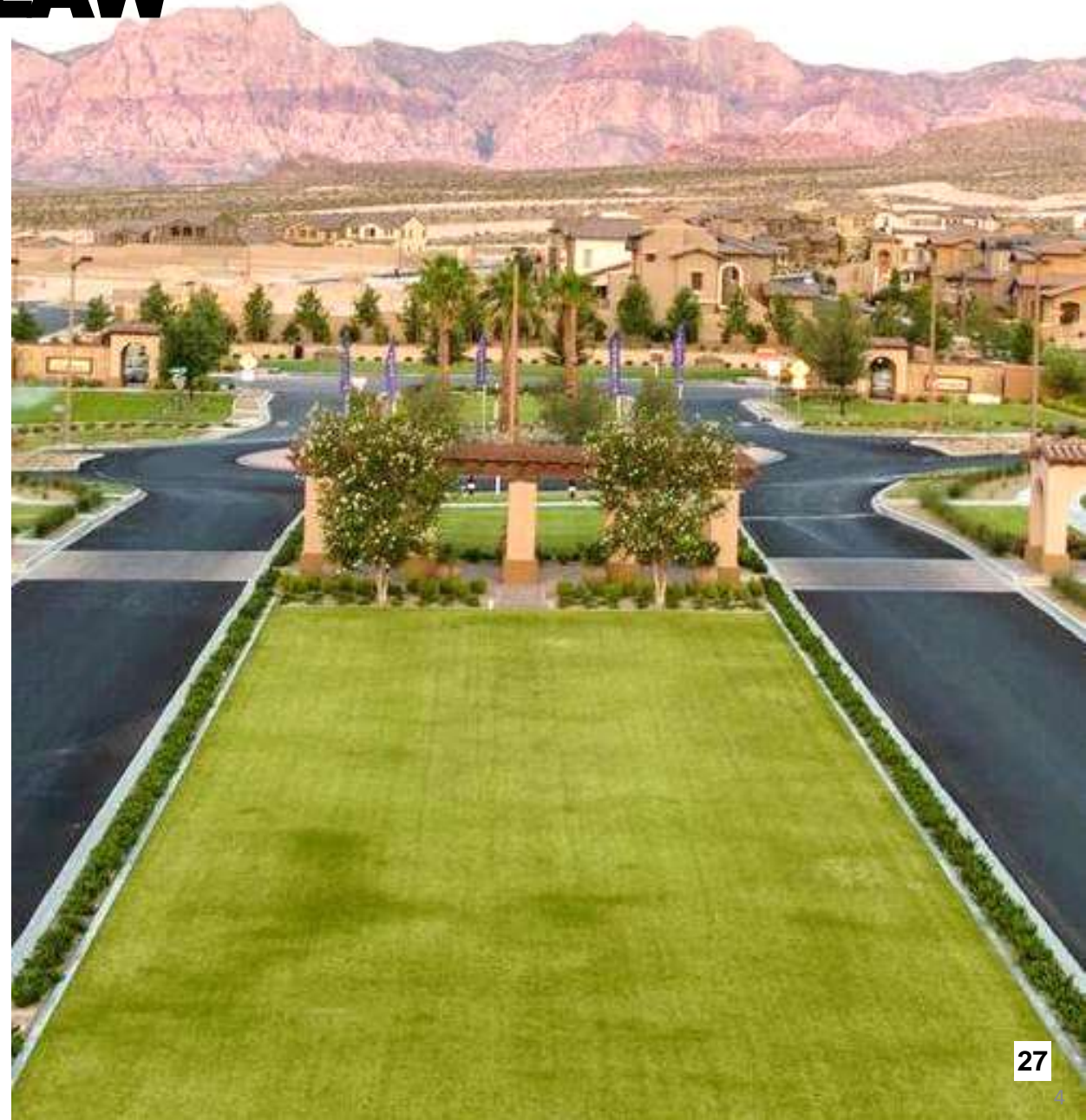
Nonfunctional turf alone consumes billions of gallons of water each year in Las Vegas.

This ornamental grass uses about 10 percent of our water supply.

NONFUNCTIONAL TURF LAW

Assembly Bill (AB) 356 passed during the 2021 Legislative Session and prohibits Southern Nevada's water supplies from watering existing unused grass by 2027.

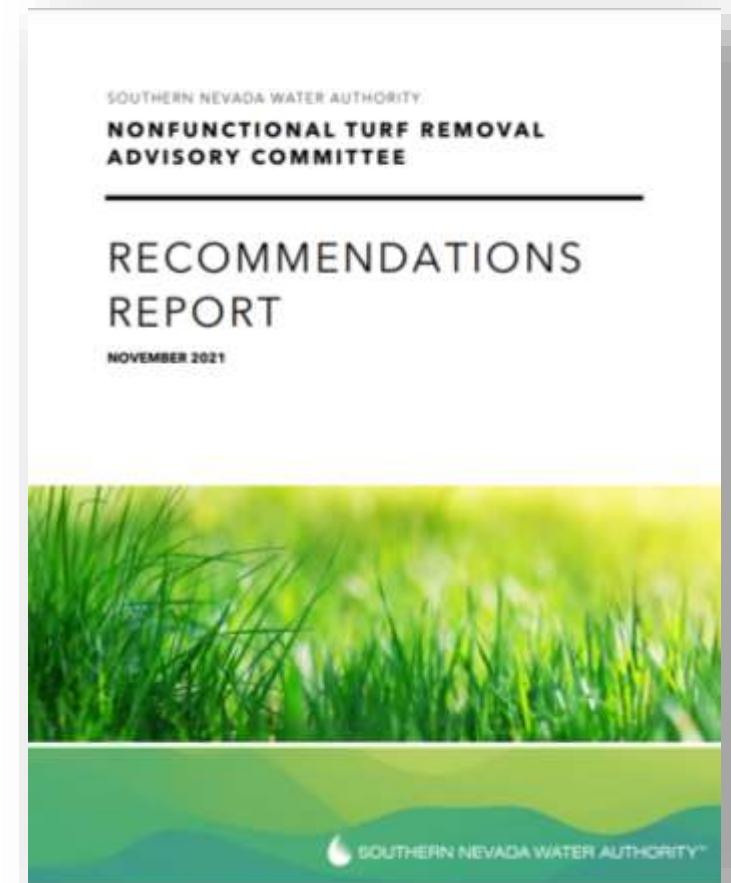
Single family residential homes excluded.



ADVISORY COMMITTEE

AB 356 also required the creation of the Nonfunctional Turf Removal Advisory Committee (NTRAC) for the development of a plan for the removal of nonfunctional turf.

- **Nine individuals, representing a variety stakeholders, including:**
 - Homeowner associations
 - Commercial properties
 - Office parks
 - Multifamily properties
 - Golf courses
 - Municipalities
 - Environmental interests
- **The committee met five times in public meetings to discuss the definitions of functional and nonfunctional turf, and where it should be allowed**



ADVISORY COMMITTEE

SCHEDULE

- July 15: SNWA Board NTRAC appointments
- August 18: Overview of SNWA, conservation initiatives, and committee process
- September 7-14: Tours of areas with nonfunctional turf
- September 22: Overview of AB 356 and functional/nonfunctional Turf
- October 20: Review of definitions & waivers
- November 17: Review & approval of Recommendations Report
- January 20: SNWA Board accepts committee recommendations



What is functional turf?

- It's played on and used
- It's large enough to allow for active use
- Provides a recreational benefit to the community
- Easily accessed, safe to reach





What is nonfunctional turf?

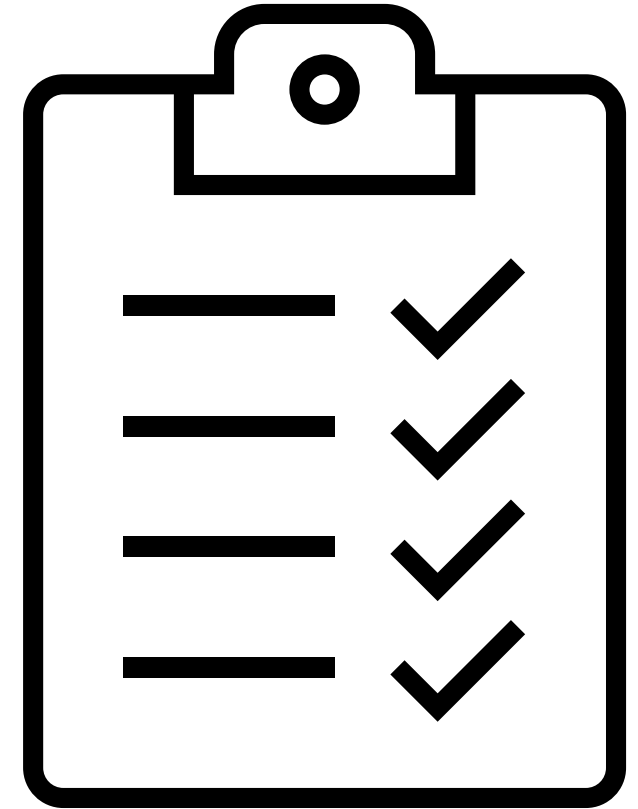
- Streetscape turf
- Median turf
- Residential community entry turf
- Turf at commercial and industrial properties
- Turf on slopes
- Narrow or small areas of turf

May also include:

- Multifamily turf
- HOA managed turf

WAIVER PROCESS AND CRITERIA

- Some turf areas may serve a legitimate function but not conform precisely to the definitions
- Some property owners may believe their turf is recreational, even though it does not meet the functional turf definition
- The SNWA is developing a Waiver Application process and evaluation criteria to determine whether a turf area “substantially complies” with the definitions of functional turf



RECOMMENDATION 1

Define **non-functional** turf as:

“Non-functional Turf” means irrigated lawn grass area not meeting the below definition of Functional Turf, including without limitation, such areas in the following locations:

- Streetscape Turf: Except as otherwise specified turf located along public or private streets, streetscape sidewalks, driveways and parking lots, including but not limited to turf within community, park and business streetscape frontage areas, medians and roundabouts.
- Frontage, Courtyard, Interior and Building Adjacent Turf: Turf in front of, between, behind or otherwise adjacent to a building or buildings located on a property not zoned exclusively as a single-family residence, including but not limited to maintenance areas and common areas.
- Certain HOA-Managed Landscape Areas: Turf managed by a homeowner association that does not provide a recreational benefit to the community or that otherwise does not qualify as Functional Turf, regardless of the property zoning.

RECOMMENDATION 2

Define **functional** turf as:

“Functional Turf” means an irrigated lawn grass area that provides a recreational benefit to the community and is:

- (a) located at least 10 feet from a street (except as otherwise specified), installed on slopes less than 25 percent, and not installed within street medians, along streetscapes or at the front of entryways to parks, commercial sites, neighborhoods or subdivisions; and
- (b) Active/Programmed Recreation Turf, Athletic Field Turf, Designated Use Area Turf, Golf Course Play Turf, Pet Relief Turf, Playground Turf or Resident Area Turf, as these terms are further defined and qualified.

TURF CATEGORIES

ESTABLISHMENT TYPE	Resident Area Turf	Golf Course Play Turf	Pet Relief Area Turf	Active / Programmed Recreation Turf	Athletic Field & Playground Turf	Designated Use Area Turf
Schools & Daycares					Functional	
Youth Recreation & Senior Centers					Functional	
Homeowner Associations				Functional	Functional	
Government Facilities (excluding Parks)						
Commercial & Retail Services			Functional ¹			
Multi-Family Residential	Functional					
Commercial/Multi-Family Mixed Use	Functional					
Public Parks, Private Parks & Water Parks				Functional	Functional	
Golf Courses		Functional				
Cemeteries & Mortuaries						Functional
Religious Institutions					Functional	
Hospitals & Medical Offices						
Assisted Living & Rehabilitation Centers	Functional					
Commercial & Industrial Office Parks						
Hotels, Motels & Resorts						

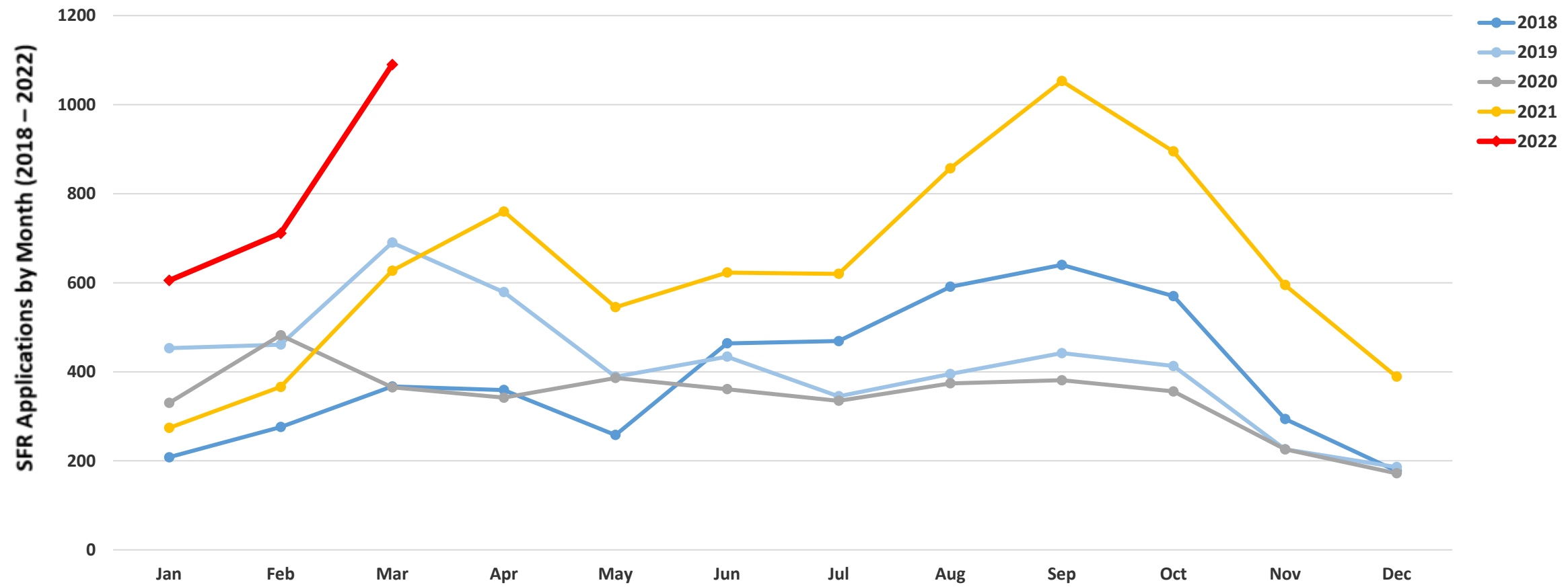
¹ Applies to businesses exclusively serving pets (veterinarians, pet boarding facilities, etc.)

A photograph of a large agave plant with purple flowers, overlaid with a semi-transparent blue band containing the word "RESULTS".

RESULTS

RESULTS

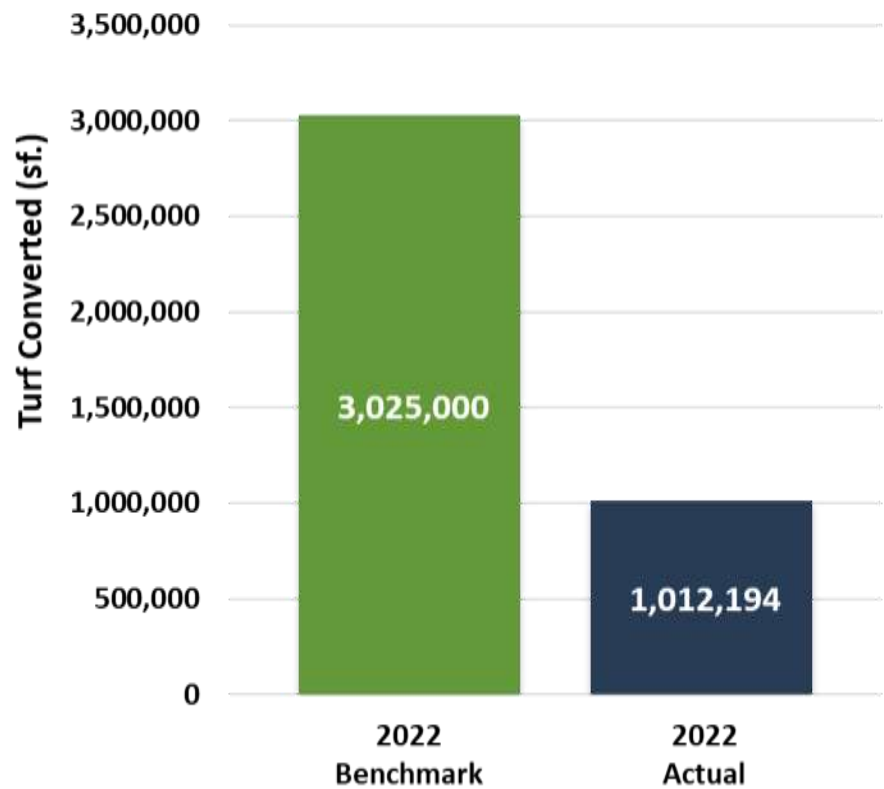
Single Family Residential WSL applications continue to outpace progress in recent prior years.



RESULTS

Homeowners converted more than 1 million sf. of turf in 2022, saving an estimated 55.7 million gallons of water annually.

2022 Current Progress

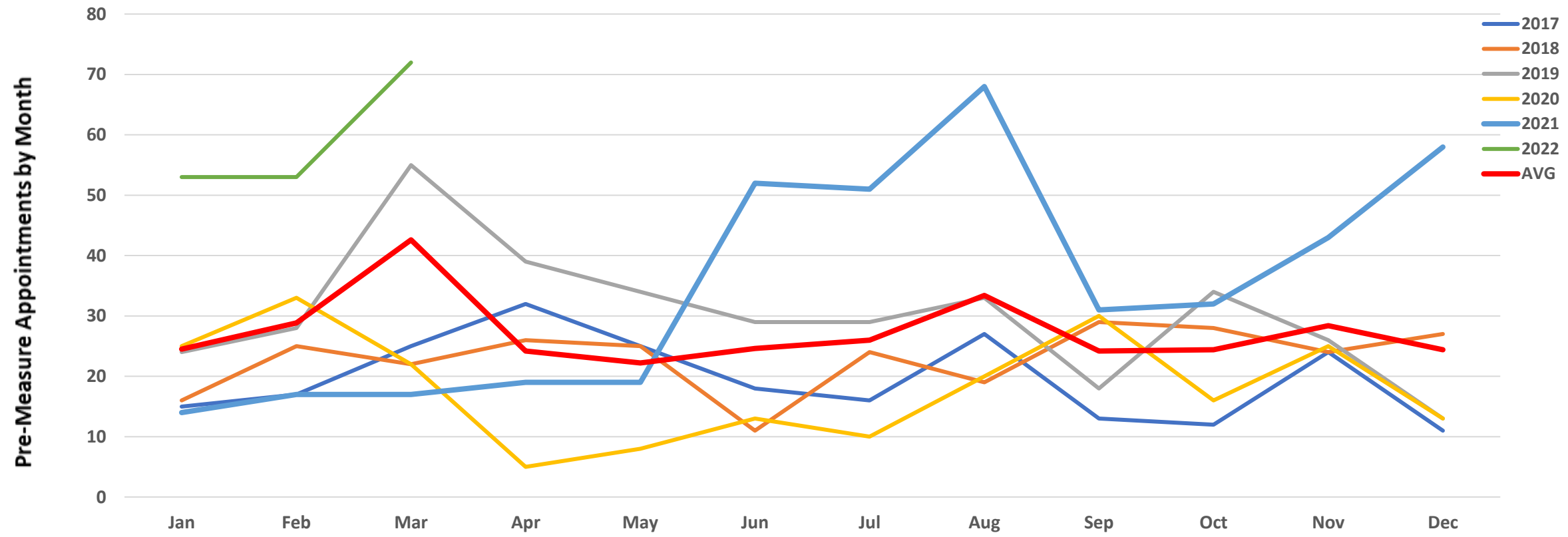


2022 Cumulative Monitoring



RESULTS

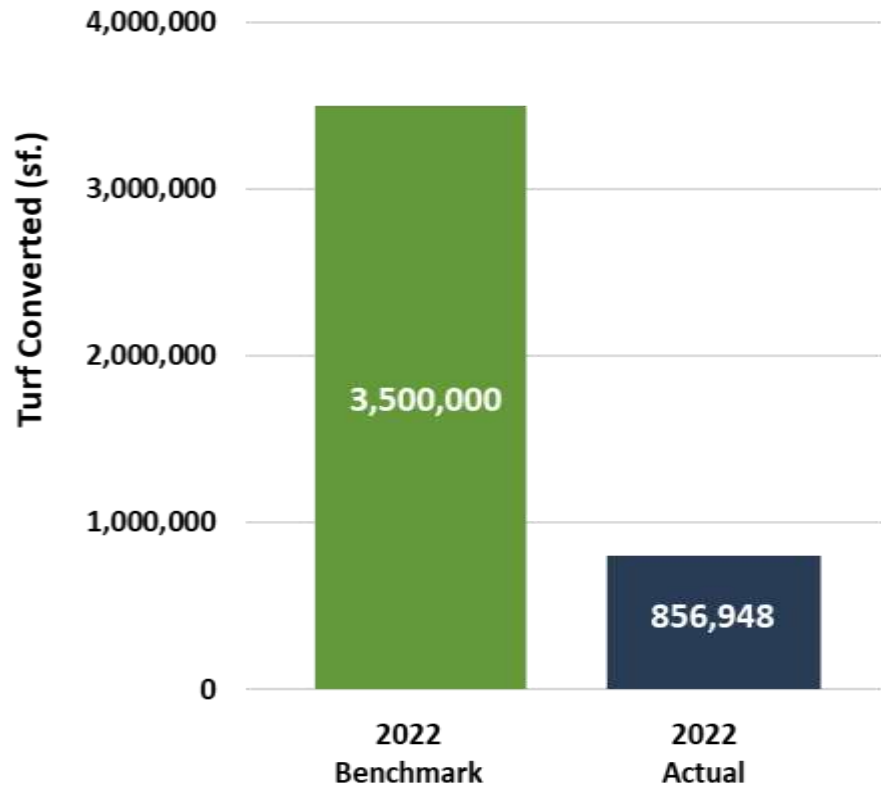
Program interest among the Non-SFR water users continues to outpace prior recent years.



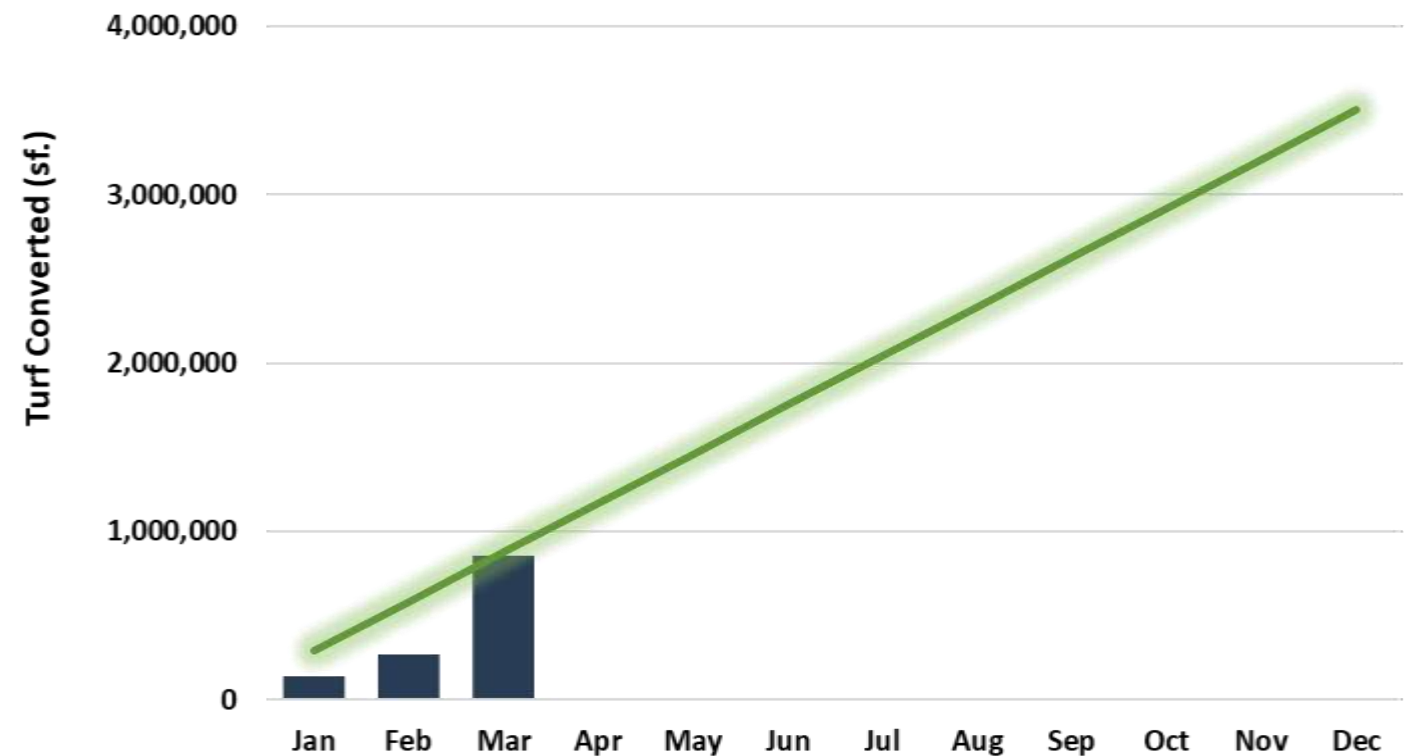
RESULTS

Non-SFR customers have converted more than 850,000 sf. of turf in 2022, saving an estimated 47.1 million gallons of water annually.

2022 Current Progress



2022 Cumulative Monitoring



NO NEW TURF

A recently-approved resolution will prohibit new installations of turf except at schools, parks and cemeteries.

This includes single-family residential properties.



SOUTHERN NEVADA WATER AUTHORITY™



One Water Committee

Governor's Executive Order and Metropolitan's Activities Related to Non-Functional Turf

Item 6c

April 26, 2022

Governor Newsom's Executive Order N-7-22

Executive Order N-7-22

Issued March 28, 2022

Summary of Executive Order

- Calls on water agencies to move to Level 2 of water shortage contingency plans
 - Enact plans to ensure water shortage reduction *up to* 20%
 - Encourages agencies to go beyond 20% to prepare for long-term drought
- Directs DWR to develop strategies to improve water conservation
- Directs SWRCB to consider adoption of a non-functional turf regulation

Executive Order N-7-22

- Non-Functional Turf

“By May 25, 2022, the Water Board shall consider adopting emergency regulations defining “non-functional turf” (*that is, a definition of turf that is ornamental and not otherwise used for human recreation purposes such as school fields, sports fields, and parks*) and banning irrigation of non-functional turf in the commercial, industrial, and institutional sectors except as it may be required to ensure the health of trees and other perennial non-turf plantings.”

Executive Order N-7-22

SWRCB Proposed Non-Functional Turf Regulation

- Focus on Commercial, Industrial, and Institutional (CII) properties
 - Excludes residential
 - Excludes park, sports fields, and other turf used for recreation or community events
- Allows irrigation of turf on the same valve as trees, shrubs, and other perennial plants
- Applies only to turf irrigated by potable water
- Held public meeting on April 21, 2022 to review proposed regulation and receive public comment

Metropolitan's Activities in Non-Functional Turf Removal

Metropolitan's Activities

Commercial Turf Replacement Program

- Approximately 96 million square feet of commercial turf removed since July 1990
- Equivalent to ~63,800 residential front yard conversions
- Recently awarded DWR grant will be used to further increase program activity

Commercial Turf Removal is Non- Functional Turf Removal





Non-Functional Turf Removal

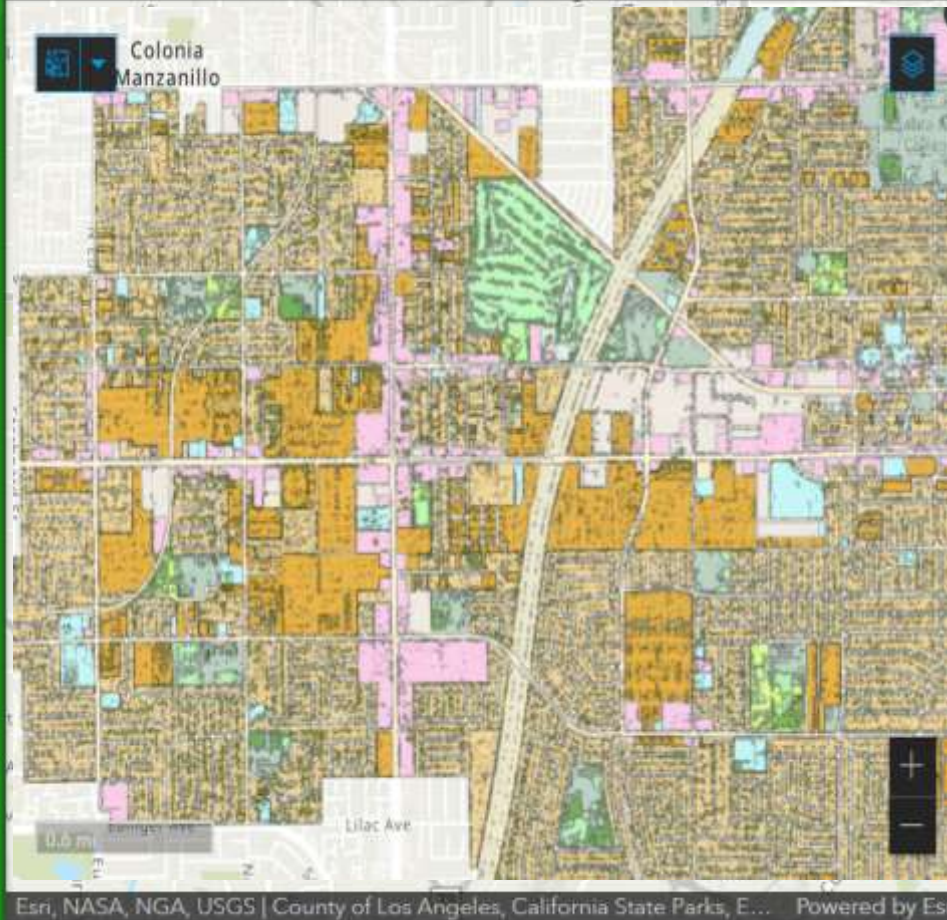
Non-Functional Turf Removal



Interactive Dashboard: Understanding the Prevalence of Non-Functional Turf

Interactive Turf Measurement Dashboard

Step 1: Select Land Uses



Overview

Map legend

Turf by Parcel Group

Step 2: Explore by Parcel Group

Golf Course #3487: 2,918,018

Golf Course #3484: 1,820,728

Cemetery #3108: 1,545,398

Utility #3490: 1,279,601

Parks #3047: 885,185

Utility #3491: 843,434

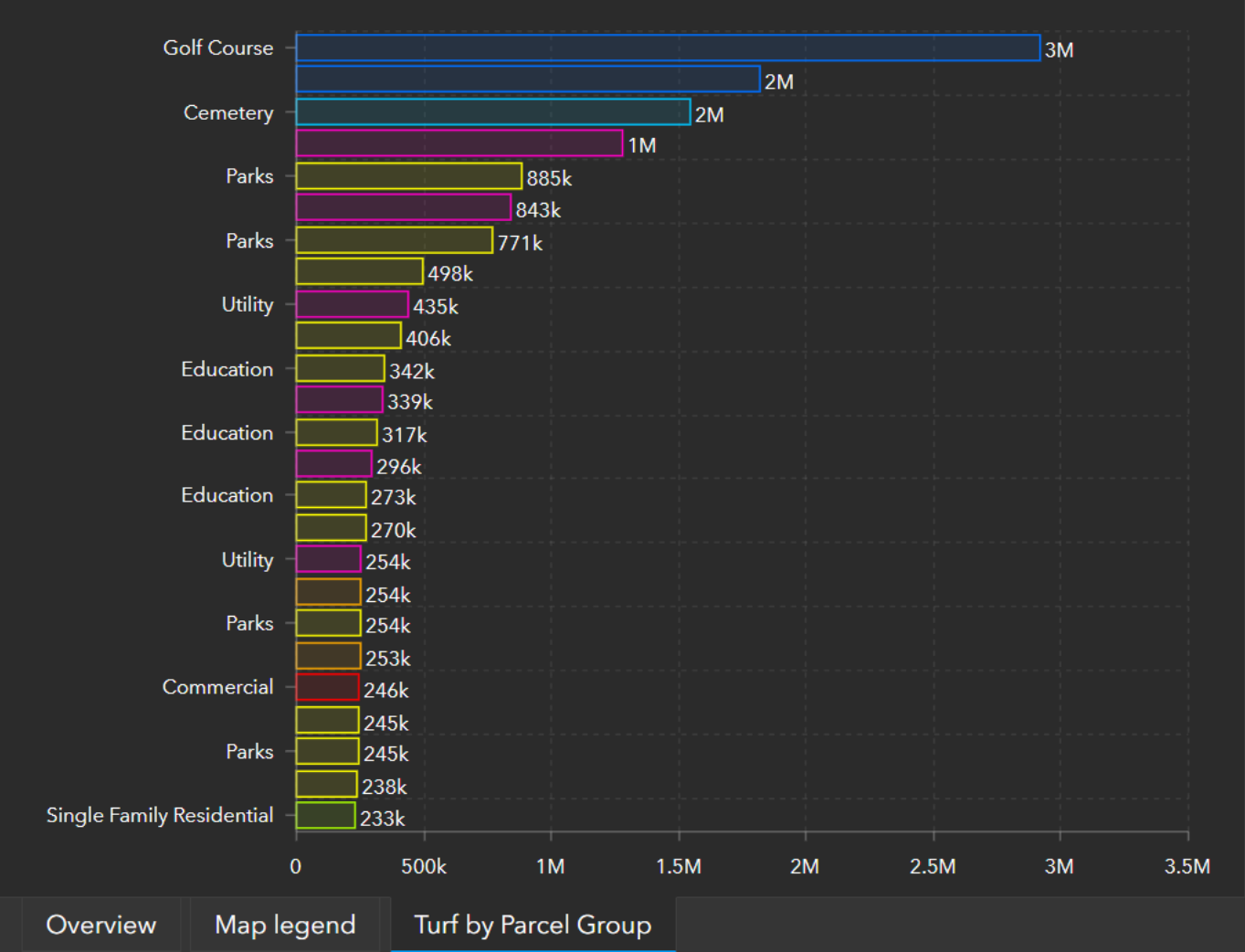
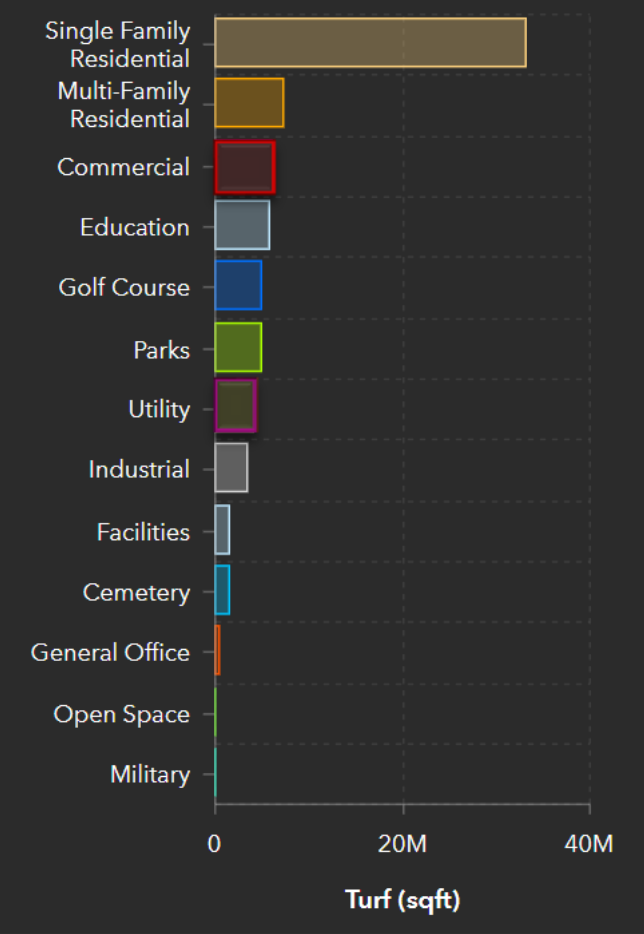
Last update: a minute ago

Step 3: Output Table

Land Use	Turf (sqft)
Single Family Residential	33,111,951
Multi-Family Residential	7,188,755
Commercial	5,952,574
Total	72,873,214

Turf Measurement Dashboard: Ranked by amount of turf per parcel

Step 1: Select Land Uses



Step 2: Explore by

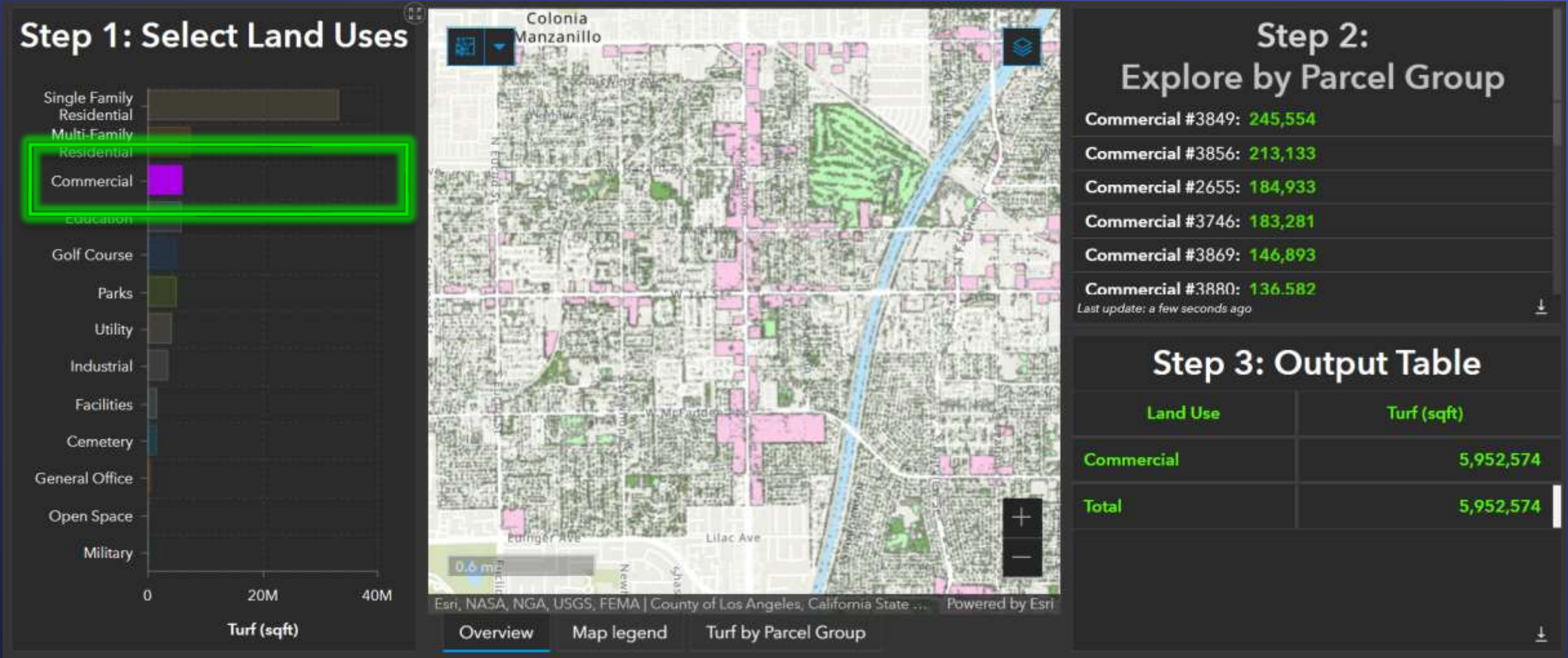
Golf Course #3487:	2,918,018
Golf Course #3484:	1,820,728
Cemetery #3108:	1,545,398
Utility #3490:	1,279,601
Parks #3047:	885,185
Utility #3491:	843,434

Last update: 2 minutes ago

Step 3: Output Table

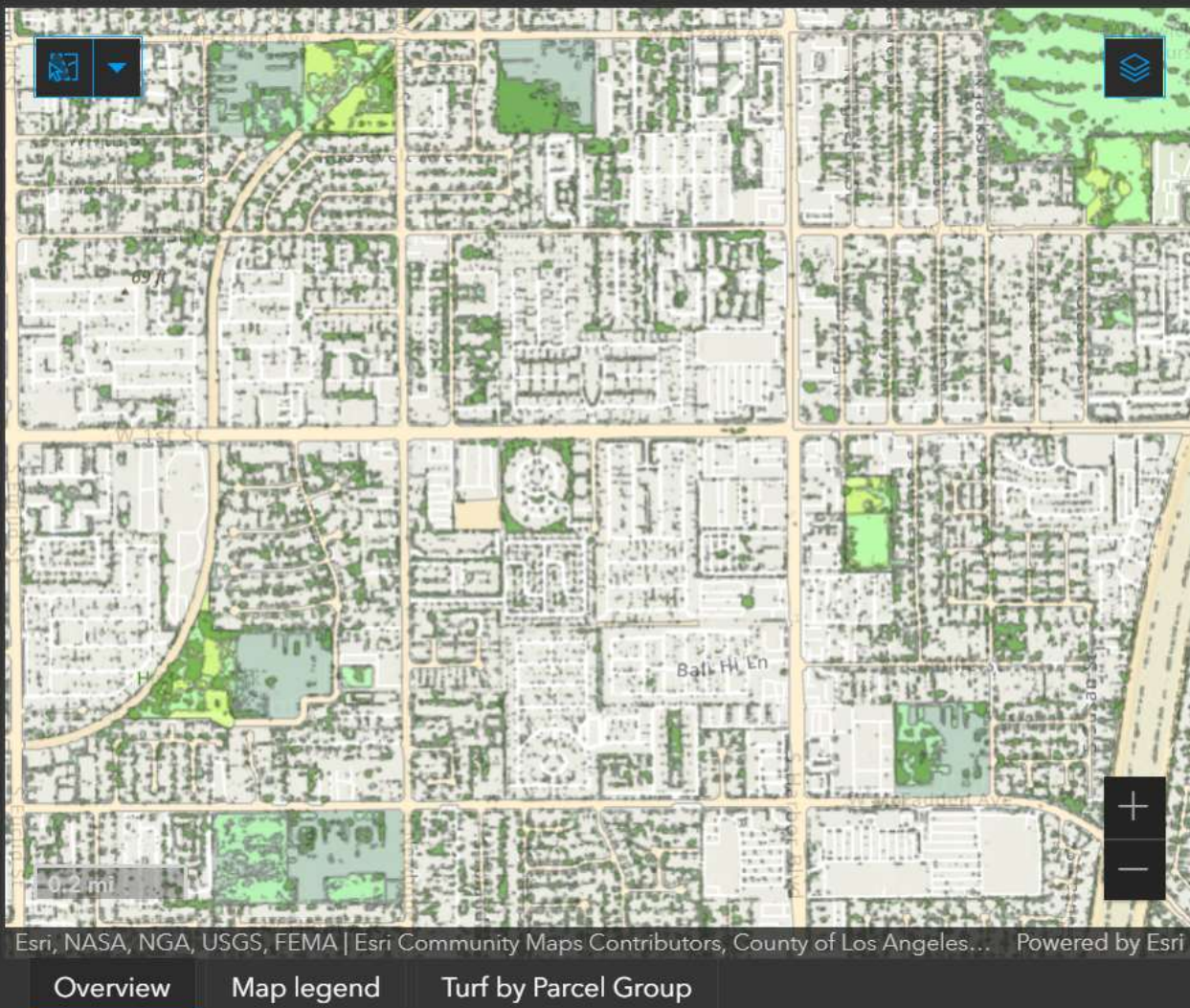
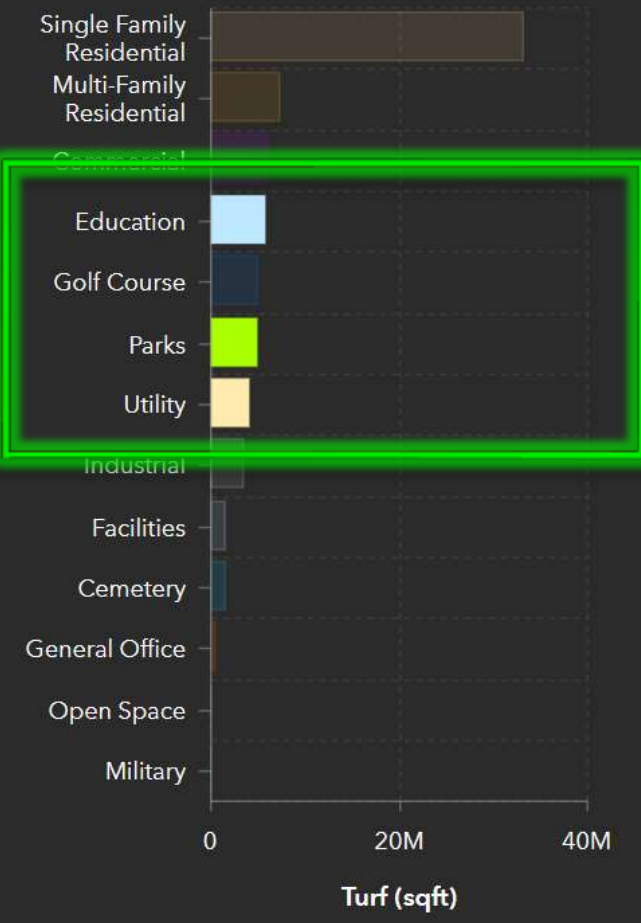
Land Use	Turf (sqft)
Single ...	33,111,951
Multi-F...	7,188,755
Total	72,873,214

Isolate categories to understand the magnitude of the issue



Group categories and locate on map

Step 1: Select Land Uses



Step 2: Explore by Parcel

Utility #3490:	1,279,601
Parks #3047:	885,185
Utility #3491:	843,434
Parks #3039:	771,117
Education #1957:	498,113
Utility #3492:	434,814
Last update: a minute ago	

Step 3: Output Table

Land Use	Turf (sqft)
Education	5,772,300
Parks	4,824,773
Utility	3,971,438
Total	14,568,512

Next Steps

- Utilize recently awarded DWR grant to further increase commercial non-functional turf replacement program activity
- Continue to assist public agencies with non-functional turf replacement projects
- Expand turf measurement dashboard to entire service area
- Support development of city and county non-functional turf ordinances





One Water Committee

Regional Rebate Program Agreement Update

Item #6d

April 26, 2022

Regional Rebate Program Agreement

Today's Presentation

- Background on the regional incentive program SoCal WaterSmart (SCWS)
- Current 2017-2022 contract information
- Executing the next five-year agreement

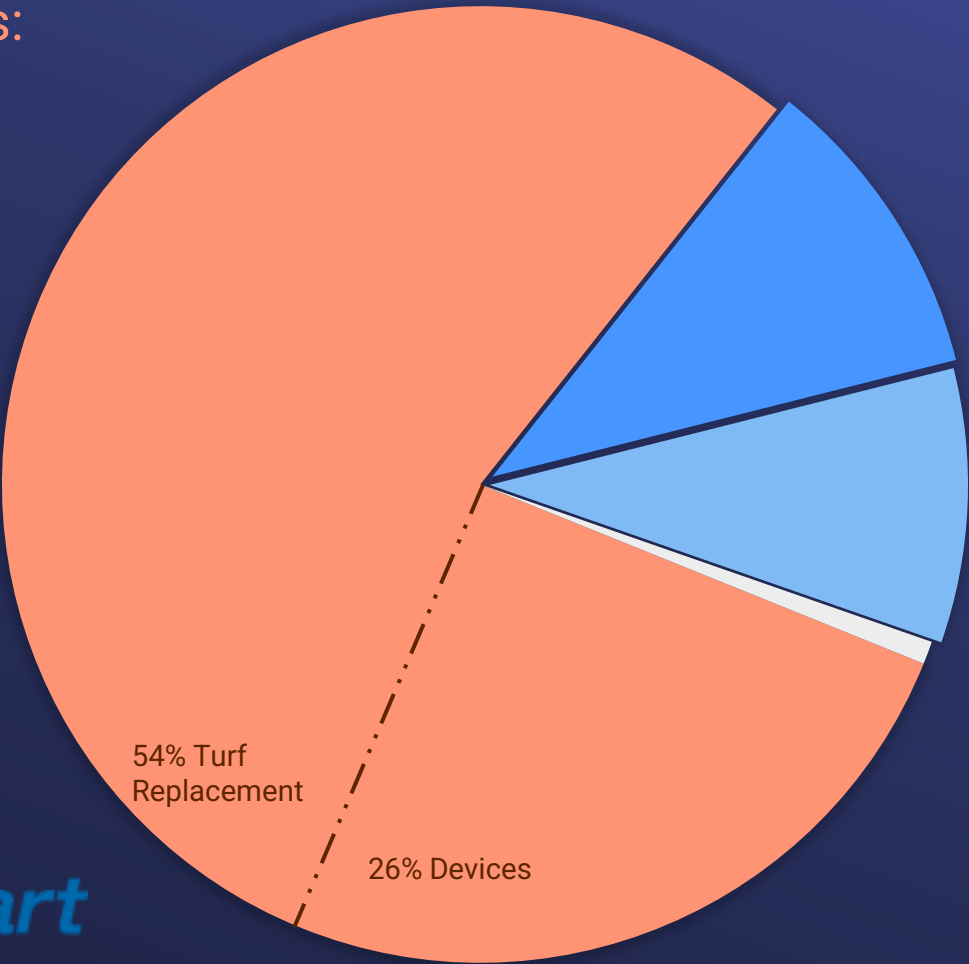
Metropolitan's Conservation Program: More than Incentives

Regional Incentives:
Devices and Turf
Replacement 80%

Member Agency
Administered Program:
Local Projects 10%

Water Savings Incentive Program,
Inspections, Classes, Innovative
Conservation Program 9%

Outreach 1%





SCWS Vendor Performs Many Functions

Manages Website

Maintains an interactive website providing consumer and member agency access

Tracks Funding & Issues Rebate Checks

MWD dollars, member agency co-funding & grants, Issues to consumer directly

Conducts & Coordinates Inspections

Provides application/applicant information to inspection vendor

Conducts Outreach

In-store outreach to promote rebates & turf replacement

Provides Consumer Service

Requests from MWD, vendors and applicants/potential applicants

Benefits of Using Vendor Services for Regional Rebate Program

- Ability to scale staffing up or down depending on program activity
- Cost effectiveness to administer rebate program and consumer service



Current Contract, RFP Process & Next Steps

Current & New
Contract Terms

May 2017 – June 2022
July 2022 – June 2027

Request for
Proposals

Issued RFP on January 26, 2022

Received &
Reviewed Proposal

Internal/External panel – MWD staff,
Pasadena & LADWP – reviewed
one received proposal

Provide
Recommendation

Return to committee in June to recommend
approval for Electric Gas Industries Association
(EGIA) contract to administer regional
rebate program

