



C&LR Committee

J. Abdo, Chair
T. Quinn, Vice Chair
L. Ackerman
R. Atwater
S. Blois
G. Cordero
D. Erdman
A. Fellow
M. Hogan
C. Kurtz
R. Lefevre
J. Morris
B. Pressman

**Conservation and Local Resources
Committee**

Meeting with Board of Directors *

September 28, 2021

1:00 p.m.

Live streaming is available for all board and committee meetings on our mwdh2o.com website ([Click to Access Board Meetings Page](#))

Public Comment Via Teleconference Only: 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 use Code: 9601962.

**Tuesday, September 28,
2021**

**08:30 am - IRP
10:30 am - Bay-Delta
11:30 am - Break
12:00 pm - Exec
12:30 pm - Sp BOD
01:00 pm - C&LR**

* 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))

- a. Presentation by John Entsminger, General Manager of the Southern Nevada Water Authority: "AB-365: Reshaping the Urban Landscape of Southern Nevada" [21-524](#)

Attachments: [09282021 CLR 1a Presentation.pdf](#)

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

2. CONSENT CALENDAR OTHER ITEMS - ACTION

- A. Approval of the Joint Minutes of the Adjourned Water Planning and Stewardship Committee and Conservation and Local Resources Committee held March 8, 2021 [21-552](#)

Attachments: [09282021 CLR 2A draft minutes](#)

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. Review of Conservation Activity during FY 2020/21 [21-527](#)

Attachments: [09282021 CLR 6a Presentation.pdf](#)

- b. Metropolitan's Potential Activities to Increase Conservation in Response to Governor's California Conservation and Metropolitans Water Supply Alert [21-526](#)

Attachments: [09282021 CLR 6b Presentation.pdf](#)

- c. Review of Local Resource Program/On-Site Retrofit Activity During FY 2020/21 [21-525](#)


Attachments: [09282021 CLR 6c Presentation.pdf](#)

7. FOLLOW-UP ITEMS

None

8. FUTURE AGENDA ITEMS

9. ADJOURNMENT

The background of the slide is a photograph of the Hoover Dam and Lake Mead. The dam's massive concrete structure is visible on the left, with its iconic tower. The deep blue water of the reservoir stretches across the middle ground, reflecting the sky. In the background, rugged, brown mountains rise under a clear blue sky. The overall scene is a mix of natural beauty and human engineering.

AB-356: Reshaping the Urban Landscape of Southern Nevada

*A Briefing for the METROPOLITAN WATER DISTRICT
of Southern California*

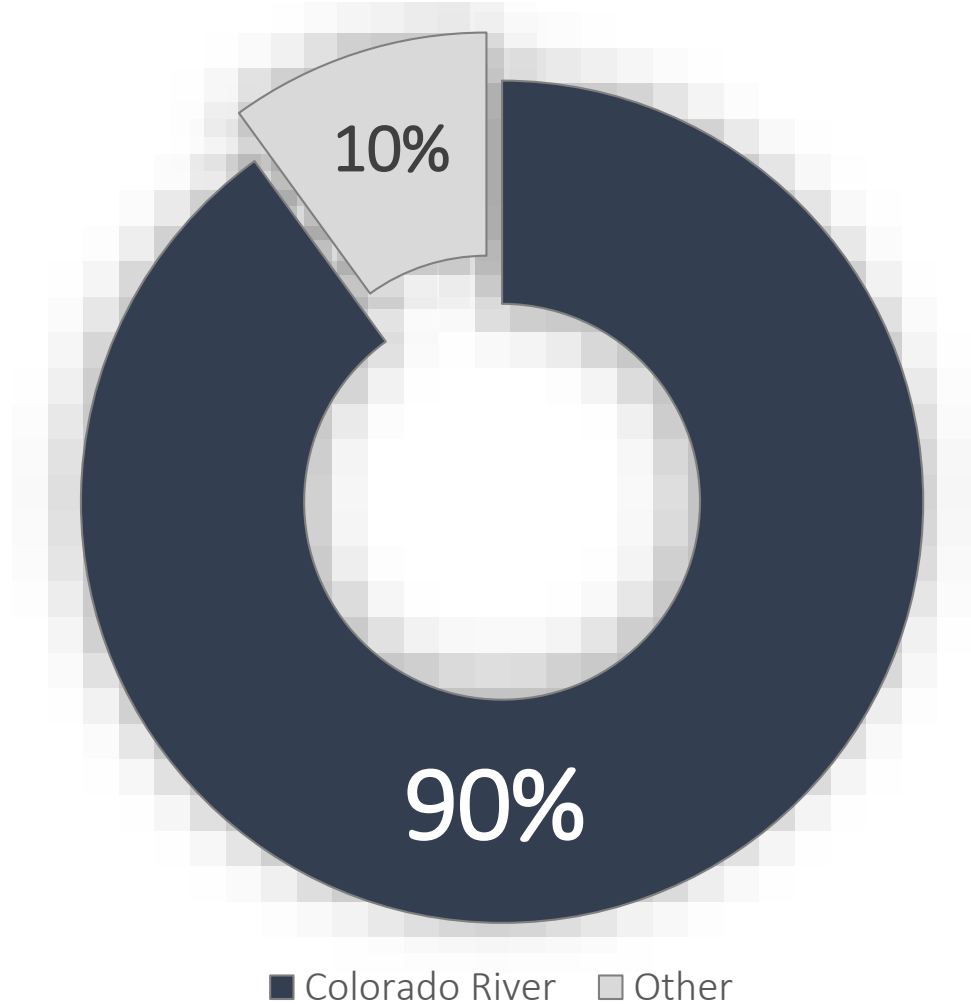
Conservation and Local Resources Committee



SOUTHERN NEVADA
WATER AUTHORITY®

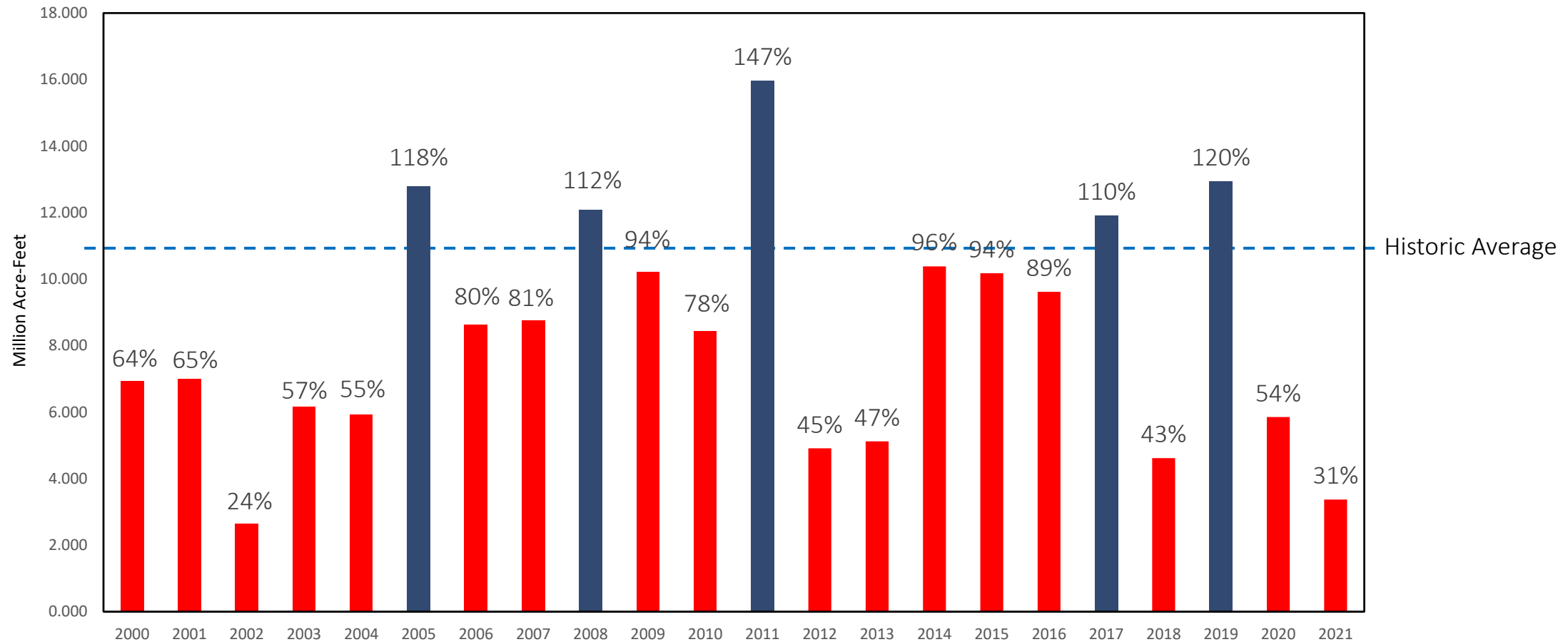
SOUTHERN NEVADA'S WATER RESOURCES

Southern Nevada is nearly completely reliant on the Colorado River to meet the community's water demands.



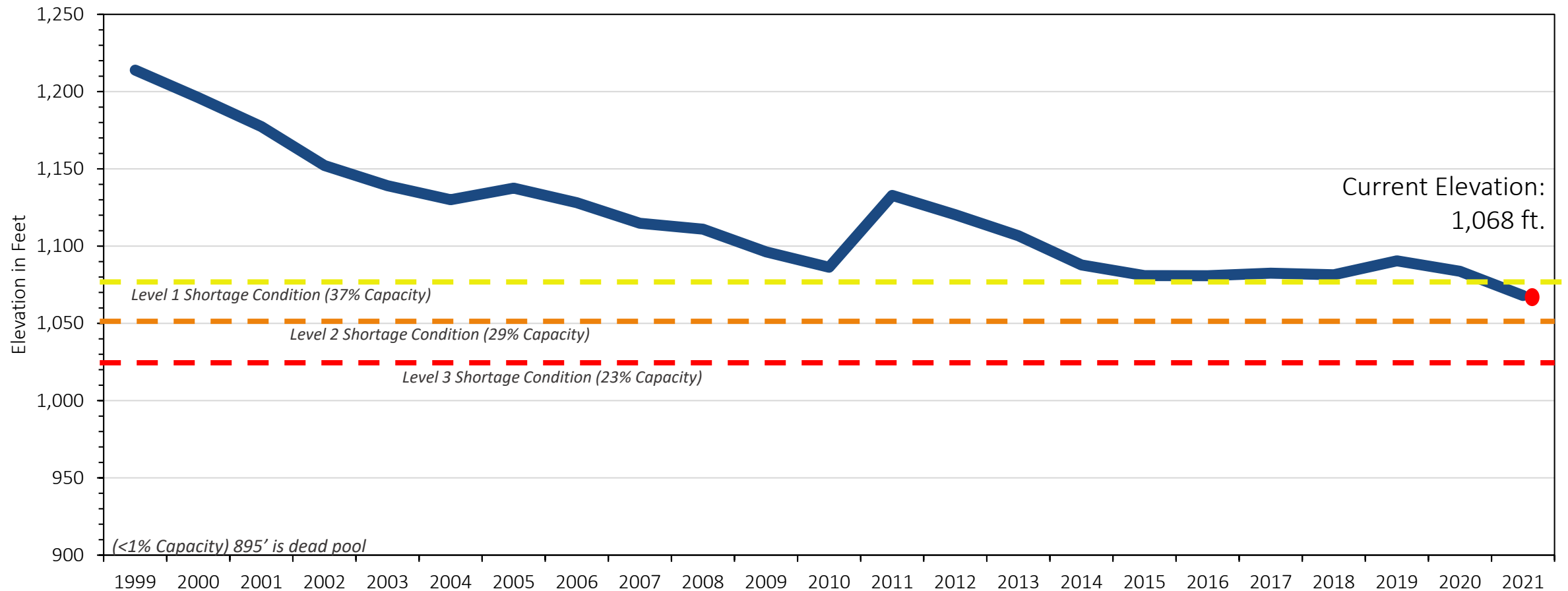
COLORADO RIVER INFLOWS

Since 2000, annual Colorado River inflows have been below average more than 75 percent of the time, causing Lake Mead's elevation to fall more than 130 feet.



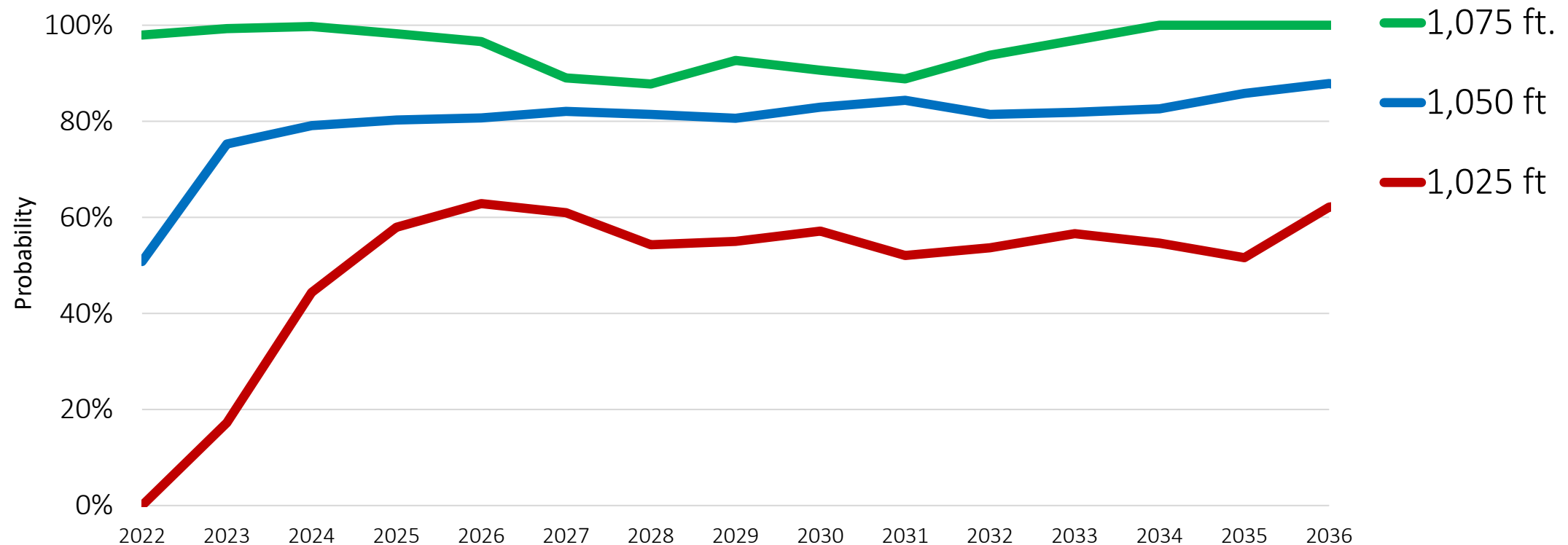
DECLINING LAKE ELEVATIONS

Below average inflows led to declines in Lake Mead water levels.



PROJECTED ELEVATIONS

Lake Mead's elevations will remain below 1,075 in the coming year, and they could fall below 1,050 feet as early as 2023.



DROUGHT RESPONSE



Southern Nevada has spent **decades** preparing for drought to ensure the reliability of water supplies for Southern Nevada



WATER BANKING

Storing water supplies for the future



RESOURCE PLANNING

Working with partners & developing comprehensive plans to manage supplies



CONSERVATION

Incentives, programs, regulation & pricing



INFRASTRUCTURE

Constructing major facilities and asset management

Water conservation remains Southern Nevada's most effective and cost-efficient means to maintain a reliable water supply.



CONSERVATION

Conservation has allowed water agencies to support more than 800,000 new residents since 2002 while using nearly 25 percent less water.

Southern Nevada
POPULATION



UP
52%

Per Capita
WATER USE



DOWN
47%

Colorado River Water
CONSUMPTION

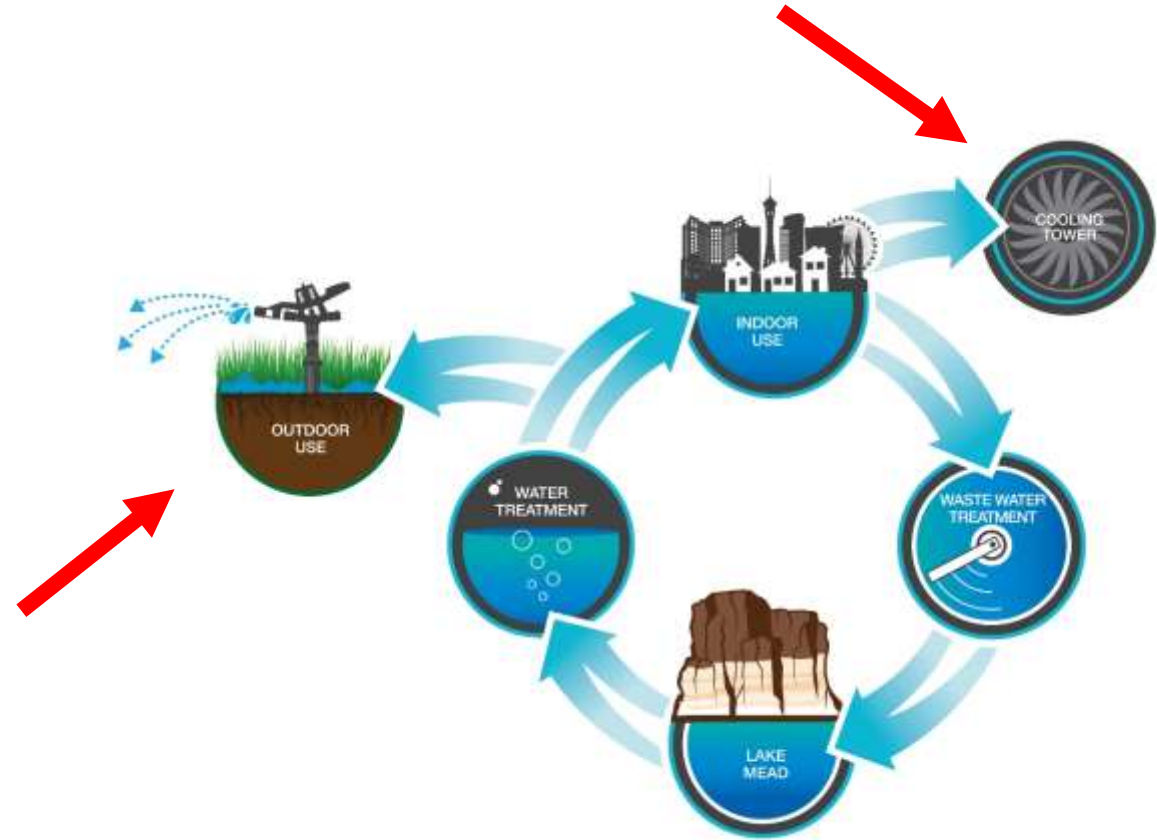


DOWN
23%

One of the key reasons for this is Southern Nevada's ability to capture and recover indoor water

Southern Nevada recycles 99% of all water used indoors

Only "consumptive" uses, primarily landscape irrigation and commercial-scale cooling, deplete our annual Colorado River allocation



CONSERVATION

Last fall, the SNWA Board of Directors approved recommendations from an advisory committee on conservation-related initiatives to further drive down water use in Southern Nevada.

- Reduce existing non-functional turf
- Limit future installations of cool season turf in public spaces
- Implement smart controller technology to automate landscape compliance
- Implement advanced metering infrastructure
- Reduce losses from evaporative cooling
- Develop a Large Water Users Policy

NON-FUNCTIONAL TURF

Unused turf is wasted water

*(72 gallons per square foot used each year
vs. 17 g/sf for drip-irrigated landscapes)*

- Medians
- Roundabouts
- Neighborhood entries
- Streetscapes
- Front yards
- Unused back yards

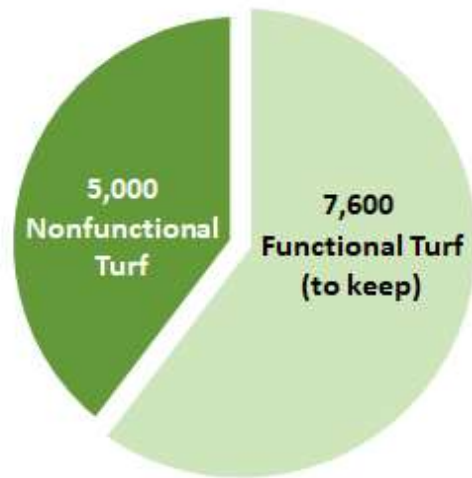
Non-functional turf is purely aesthetic, not being providing any recreational value.



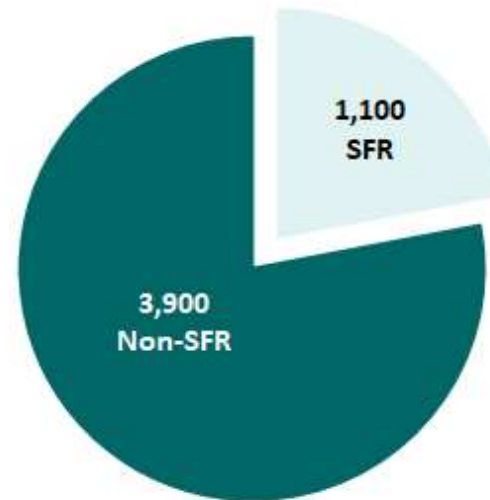
NON-FUNCTIONAL TURF

A new law passed during the 81st Legislative Session prohibits our community's water supplies from watering existing unused grass by 2027.

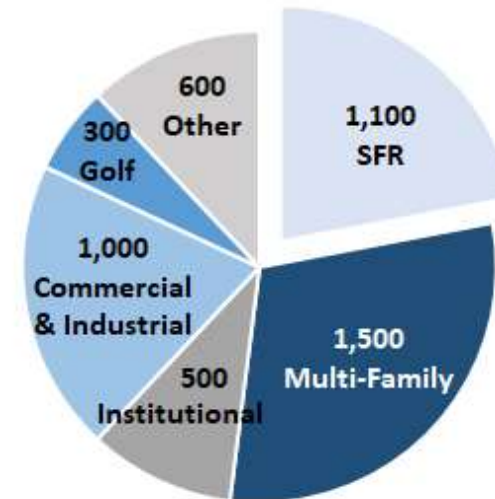
Single family residential homes excluded.



Current Turf Totals



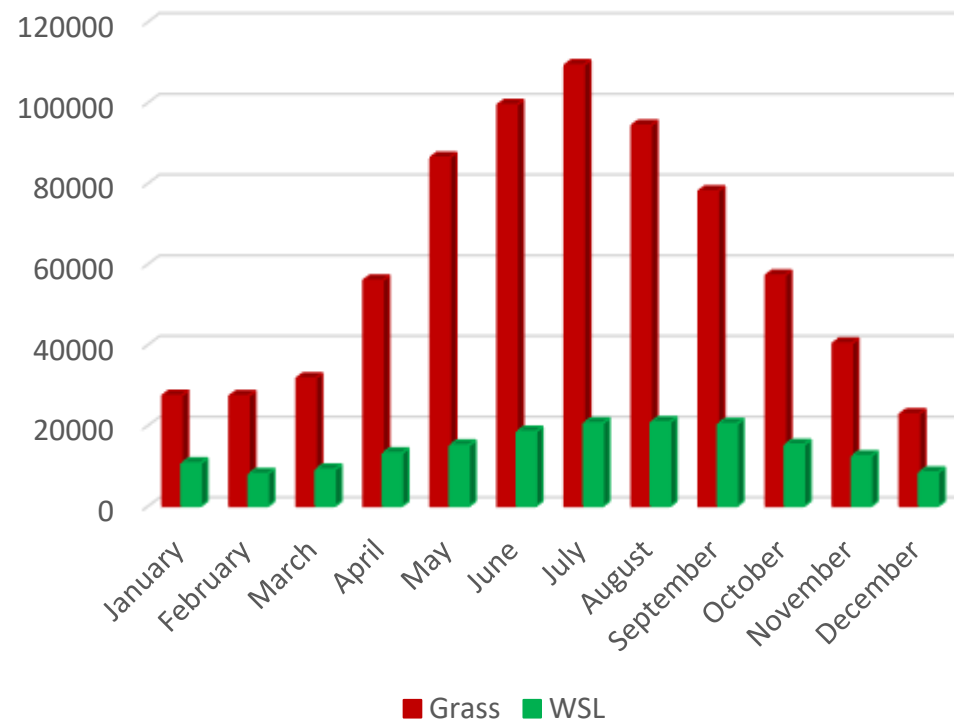
By Sector



By Customer Class

AB-356

A long-term analysis of turf conversion projects shows that drip-irrigated landscapes use an average of ~75 percent less water per year



Potential water savings associated with replacing non-functional turf could reach 9.5 billion gallons (29,150 acre-feet)

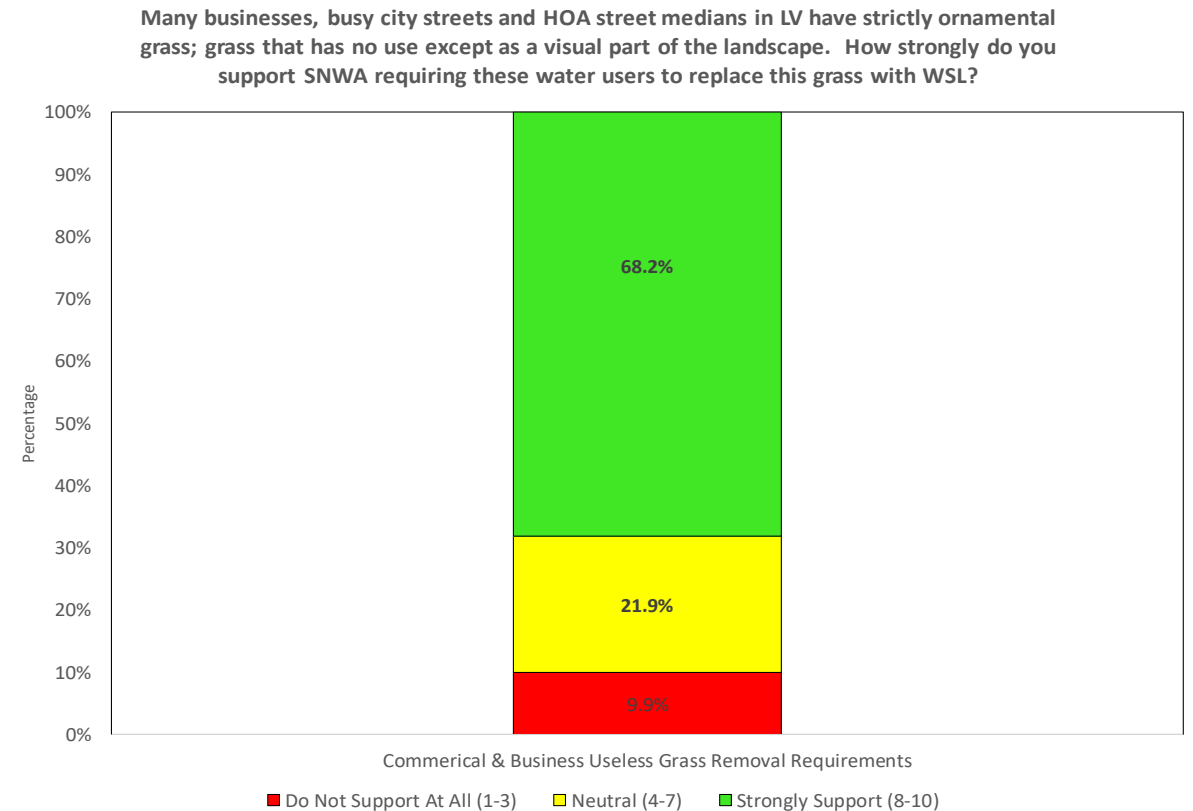


AB-356

Both the public and elected officials overwhelmingly support the legislation

Quantitative research demonstrated that residents—even those living within HOAs with streetscape turf—wanted the SNWA to mandate its removal

State senators voted unanimously in favor of AB-356, while the Assembly approved it with a strong bipartisan majority



AB-356

AB-356 garnered support among a diverse array of stakeholder groups

- Las Vegas Metro Chamber of Commerce
- Southern Nevada Home Builders Association
- The Nature Conservancy
- Center for Biological Diversity
- Nevada Conservation League
- Clark County
- Cities of Las Vegas, North Las Vegas and Henderson

Stakeholder Engagement

Per the legislation's provisions, the SNWA formed the Nonfunctional Turf Removal Advisory Committee to help inform the removal plan's development

Represented sectors include:

- Business/commercial
- Common interest communities
- Office parks
- Multifamily housing
- Local government
- Industrial
- Golf courses
- Environmental organizations

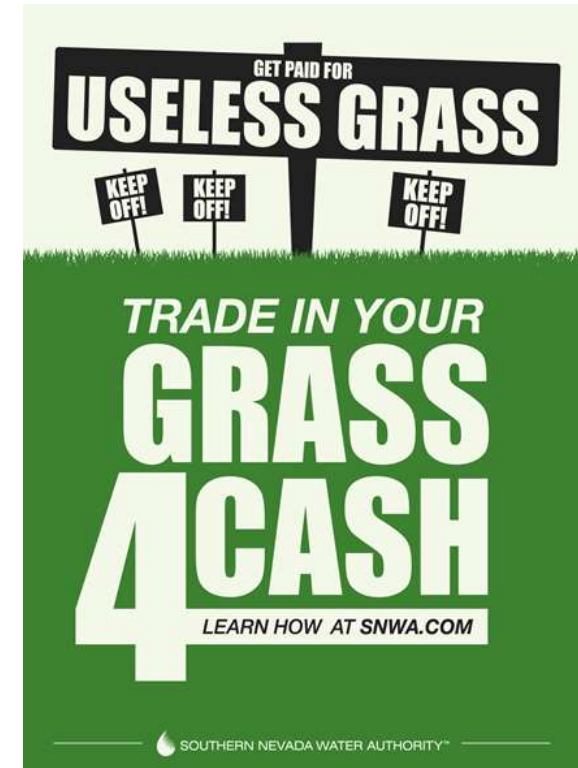
Meetings are already under way, and the committee's recommendations report is expected by early 2022



Implementation

The SNWA is allocating staff and resources to meet the anticipated demand for Water Smart Landscapes projects

- Initial response to the legislation has been a 200+ percent increase in multi-family conversion appointments and a 300+ percent increase in commercial/institutional appointments
- The SNWA has engaged a third-party contractor to support administrative/processing activities; staff at peak levels is expected to surpass 20 FTE
- Incentive outlays over the next five years are expected to surpass \$300 million
- The SNWA will continuously engage affected property owners throughout the implementation period





THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MINUTES

JOINT MEETING OF THE WATER PLANNING AND STEWARDSHIP COMMITTEE

AND

CONSERVATION AND LOCAL RESOURCES COMMITTEE

March 8, 2021

Water Planning and Stewardship Committee Chair Atwater called the teleconference meeting to order at 12:00 p.m.

Water Planning and Stewardship Committee Members present: Chair Atwater, Vice Chair Kurtz, Directors Abdo, Ackerman, Cordero, De Jesus, Dick, Goldberg, Hogan, Lefevre, Morris, M. Petersen, G. Peterson, Pressman, and Record.

Water Planning and Stewardship Committee Members absent: None

Conservation and Local Resources Committee Members present: Chair Abdo, Vice Chair Quinn, Directors Ackerman, Atwater, Blois, Cordero, Hogan, Kurtz, Lefevre, Morris, and Pressman.

Conservation and Local Resources Committee Members absent: Fellow

Other Board Members present: Chairwoman Gray, Directors Butkiewicz, Camacho, Faessel, Jung, Ramos, Smith, and Tamaribuchi.

Committee Staff present: Coffey, Goshi, Hasencamp, Kightlinger, Posadas, Schlotterbeck, and Upadhyay.

1. OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE COMMITTEE ON MATTERS WITHIN THE COMMITTEE’S JURISDICTION

None

CONSENT CALENDAR ITEMS – ACTION

2. CONSENT CALENDAR OTHER ITEM – ACTION

- A. Approval of the Minutes of the Water Planning and Stewardship Committee held February 8, 2021 and Approval of the Joint Minutes of the Adjourned Water Planning and Stewardship Committee and Conservation and Local Resources Committee held January 11, 2021 (Conservation and Local Resources Committee only)

3. CONSENT CALENDAR ITEMS – ACTION

7-4 Subject: Authorize the General Manager to enter into a Coordinated Operating Agreement with San Bernardino Valley Municipal Water District and delegate authority to the General Manager to enter into related future agreements with member agencies and local agencies, as needed, for extraordinary supply consistent with the terms approved by the Board; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Presented by: James Bodnar, Program Manager, Water Transfer & Exchange Issues

Motion:

- a. Authorize the General Manager to execute an agreement with San Bernardino Valley Municipal Water District consistent with key terms outlined herein and in **Attachment 1**, and in a form approved by the General Counsel; and
- b. Delegate authority to the General Manager to enter into related future agreements with member agencies and local agencies consistent with the terms outlined herein and in **Attachment 2**, and in a form approved by the General Counsel.

The following Directors provided comments or asked questions:

1. Smith
2. Atwater
3. Lefevre

Director Morris made a motion, seconded by Director Lefevre to approve the consent calendar items 2A and 7-4:

Approval of the Minutes of the meeting of the Water Planning and Stewardship Committee held February 8, 2021 and item 7-4.

The vote was:

Ayes: Directors Abdo, Ackerman, Atwater, Cordero, De Jesus, Dick, Goldberg, Hogan, Kurtz, Lefevre, Morris, M. Petersen, G. Peterson, Pressman, and Record.

Noes: None

Abstentions: Directors Goldberg and Hogan (Item 7-4)

Absent: None

The motion for item 2A (Minutes of the meeting of the Water Planning and Stewardship Committee held February 8, 2021) passed by a vote of 15 ayes, 0 noes, 0 abstain, and 0 absent

The motion for item 7-4 passed by a vote of 15 ayes, 0 noes, 2 abstain, and 1 absent

Approval of the Joint Minutes of the Adjourned Water Planning and Stewardship Committee and Conservation and Local Resources Committee held January 11, 2021. (Conservation and Local Resources Committee only)

The vote was:

Ayes: Directors Abdo, Ackerman, Atwater, Blois, Cordero, Hogan, Kurtz, Lefevre, Morris and Pressman, and Quinn.

Noes: None

Abstentions: None

Absent: Director Fellow

The motion passed by a vote of 11 ayes, 0 noes, 0 abstain, and 1 absent.

END OF CONSENT CALENDAR ITEMS

4. OTHER BOARD ITEMS – ACTION

None

5. BOARD INFORMATION ITEMS

None

6. COMMITTEE ITEMS

a. Subject: Update on Water Surplus and Drought Management Plan

Presented by: Tiffany Tran, Assistant Resource Specialist II, Resource Planning Team

Ms. Tran provided an update on the State Water Project supply, the Colorado River supply, weather forecast and an update on the 2021 supply and demand balances.

The following Directors provided comments or asked questions:

1. Lefevre

Director Atwater then passed the meeting over to Director Abdo, Chair of the Conservation and Local Resources Committee.

b. Subject: Conservation Update

Presented by: Tina Andry, Assistant Resource Specialist II

Ms. Andry provided an update on the Conservation expenditures and activities and a short overview of the water affordability study in collaboration with the Alliance for Water Efficiency.

c. Subject: Update on Implementation of Statutes Making Conservation as a California Way of Life

Presented by: Lindsay McPhail, Assistant Resource Specialist II

Ms. McPhail provided an update on the conservation legislation, Making Conservation as a California Way of Life, codified by AB 1668 and SB 606, signed in May 2018.

Following this presentation, Conservation and Local Resource Committee Chair Abdo turned over the meeting to Water Planning and Stewardship Committee Chair Atwater.

7. MANAGEMENT REPORTS

a. Subject: Colorado River Matters

Presented by: Bill Hasencamp, Manager, Colorado River Resources

Mr. Hasencamp provided an update on the Colorado River activities. Year 2021 is headed for another warm dry spring and the forecast indicates Lake Mead water levels will drop 20 feet by the end of 2021 if weather conditions remain the same. The eighty two percent snowpack is predicted to result in forty seven percent run off into Lake Powel, due to warm temperatures. There is the potential for a wet and cold spring, however all indicators are for a warm dry spring. Interstate and intrastate negotiations anticipated to start the summer of 2021 and last over the next three years.

b. Subject: Water Resource Management Manager's Report

Presented by: Brad Coffey, Manager, Water Resource Management Group

Mr. Coffey briefly reported on the Urban Water Management Plan Public Hearing, planned for the Water Planning and Stewardship Committee in April, a collaboration with international peer agencies, HERA Group and Mekerot, and the Probability Management for Water Finance and Resource Managers publication in the AWWA Journal.

8. FOLLOW-UP ITEMS

None

9. FUTURE AGENDA ITEMS

None

10. ADJOURNMENT

Next meeting will be held on April 12, 2021.

Meeting adjourned at 1:30 p.m.

Richard Atwater and Judy Abdo

Chairs



Review of Conservation Activity During FY 2020/21

Conservation and Local Resources Committee

Item 6a

September 28, 2021

Fiscal Year 2020/21 Year End Conservation Expenditures

	Paid ⁽¹⁾	Committed ⁽²⁾
Regional Devices	\$4.7M	\$1.8M
Member Agency Administered	\$1.5M	\$7.1M
Turf Replacement	\$8.8M	\$7.9M
Advertising	\$0.1M	\$0.0M
Other	\$1.8M	\$1.8M
TOTAL	\$16.9M	\$18.6M

Bi-annual authorization for FY20/21 & FY21/22 was \$86M

(Expected expenditures for FY20/21 & FY21/22 are \$46M)

(1) As of 7/1/2020 - 6/30/2021.

(2) Committed dollars as of July 10, 2021.

Conservation Activity: Outdoor Incentives

End of Fiscal Year 2020/21

Residential/CII



Turf Replacement Rebates:

4,290,921 ft² removed



Smart Irrigation Controllers:

14,099 units rebated



Rain Barrels and Cisterns:

3,036 units rebated



Sprinkler Nozzles:

29,715 units rebated



Conservation Activity: Indoor Devices

End of Fiscal Year 2020/21

Residential/CII



Clothes Washers:

18,258 units rebated



Toilets:

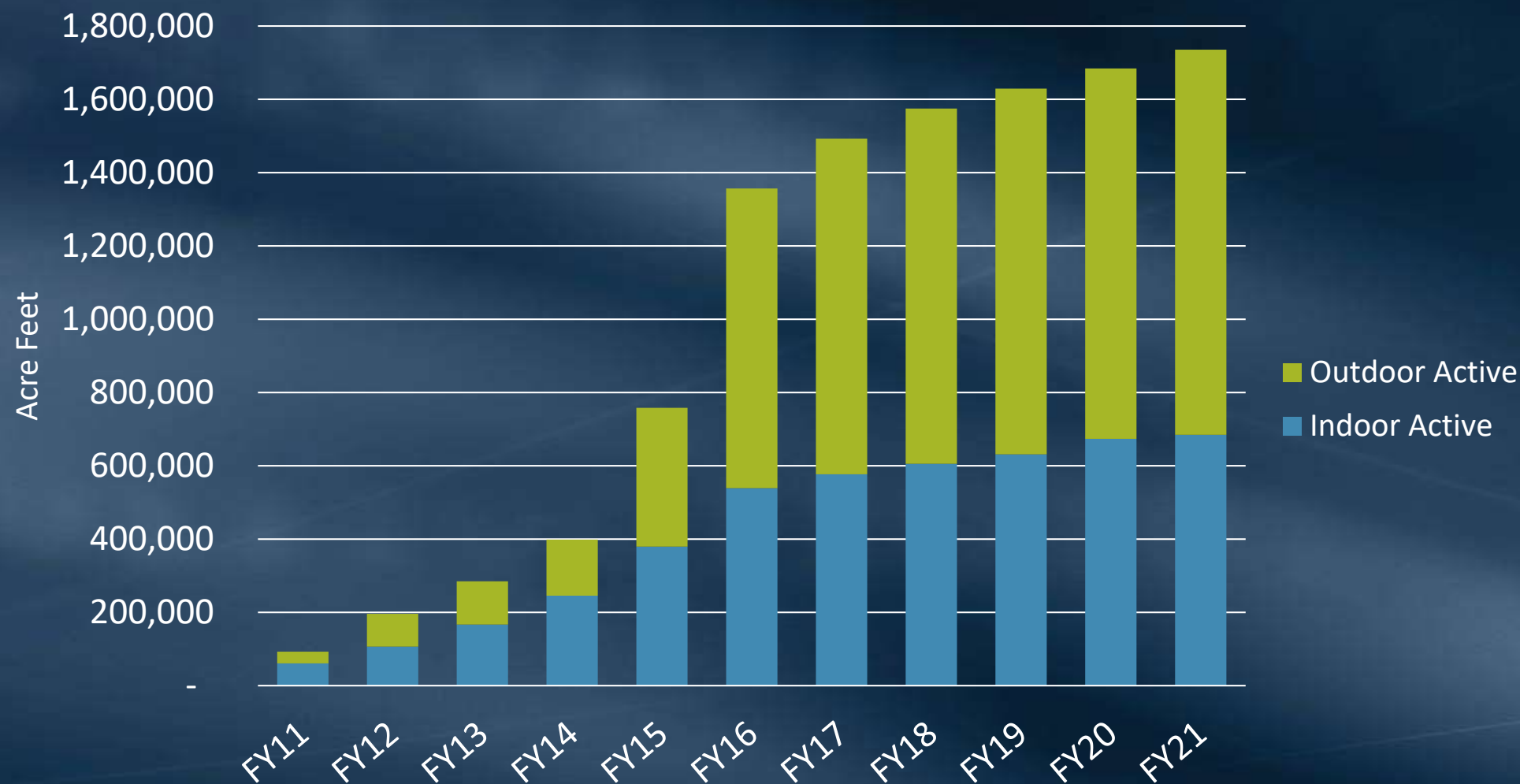
11,358 units rebated

Lifetime Water Savings FY 2020/21

41,655 acre feet lifetime savings
achieved this fiscal year

- Indoor and Outdoor
- Devices and Turf replacement
- Commercial and Residential

Indoor and Outdoor Conservation Lifetime Water Savings



New Conservation Programs FY2020/21

Pre-1994 Multi-Family Property Toilet Replacement Program

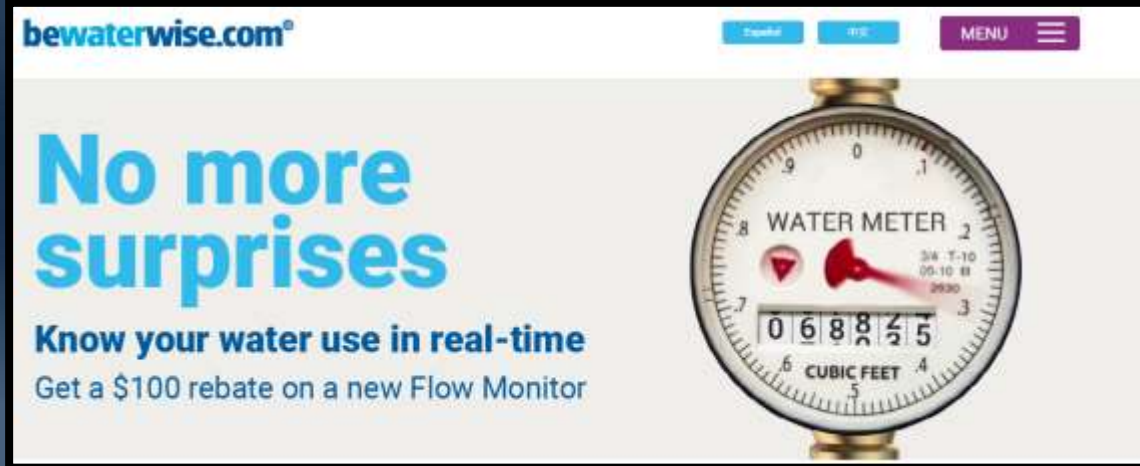
Approved in FY 2020/21

- October 2020, Board authorized program to offer enhanced incentives for toilet replacement in older, multifamily properties
- Now offered annually through regional rebate program, SoCal Water\$mart



Residential Flow Monitor Device Pilot Program

Approved in FY 2020/21



- Board authorized pilot program October 2020
- Rebates for new devices that allow residents to view water use in real time
- Offered both through SoCal Water\$mart and the Member Agency Administered Program



Municipal System Leak Detection Incentive

Approved in FY 2020/21

- Standardized a per mile incentive for leak detection and repair
- Increase participation from member and retail agencies
- Offered through the Member Agency Administered Program



Photo taken prior to pandemic



Typical breakdown of leaks found in system

Main	Meter	Service	Other
3%	50%	44%	3%

Landscape Classes and Workshops FY2020/21

Virtual Landscape Classes

	# of Classes	# of Participants
California Friendly Native Plant Landscape Training	38	1,135
Turf Removal	33	951
Design Seminar	19	565



Offered in English, Spanish and Mandarin

Outdoor Water Efficiency Workshops & Trainings

Model Water Efficient Landscape

- Series of 5 virtual sessions, each 1.5 hours
- Over 130 participants completed the series



Photo taken prior to pandemic

Outdoor Water Efficiency Workshops & Trainings

Water Efficient Landscape Dual Certification Program

- **131** individuals completed 18-hour virtual class sessions
- Individuals from **65 companies** across **58 cities** in MWD service area
- **35 landscape contractors** certified during FY 2020/21

The screenshot shows the bewaterwise.com website. At the top, there is a navigation bar with the logo 'bewaterwise.com' on the left, and buttons for 'Español', '中文', and 'MENU' on the right. Below the navigation bar, the main heading 'Find a Landscape Contractor' is displayed in a large, bold, purple font. Underneath the heading, there are four logos: the California Landscape Contractors Association logo, the OWEL logo (with the tagline 'QUALIFIED WATER EFFICIENT LANDSCAPERS'), the WEL DCP logo (with the tagline 'Water Efficient Landscape DUAL CERTIFICATION PROGRAM'), and the WaterSense logo (with the tagline 'Meets EPA Criteria'). Below the logos, there is a purple rectangular box containing a list of regions: 'Los Angeles County', 'Orange County', 'Inland Empire', and 'San Diego County'.

WELDCP Exam and Training Events



- June 2021: Two exam locations
 - **San Dimas & Irvine**
- Total 35 attendees

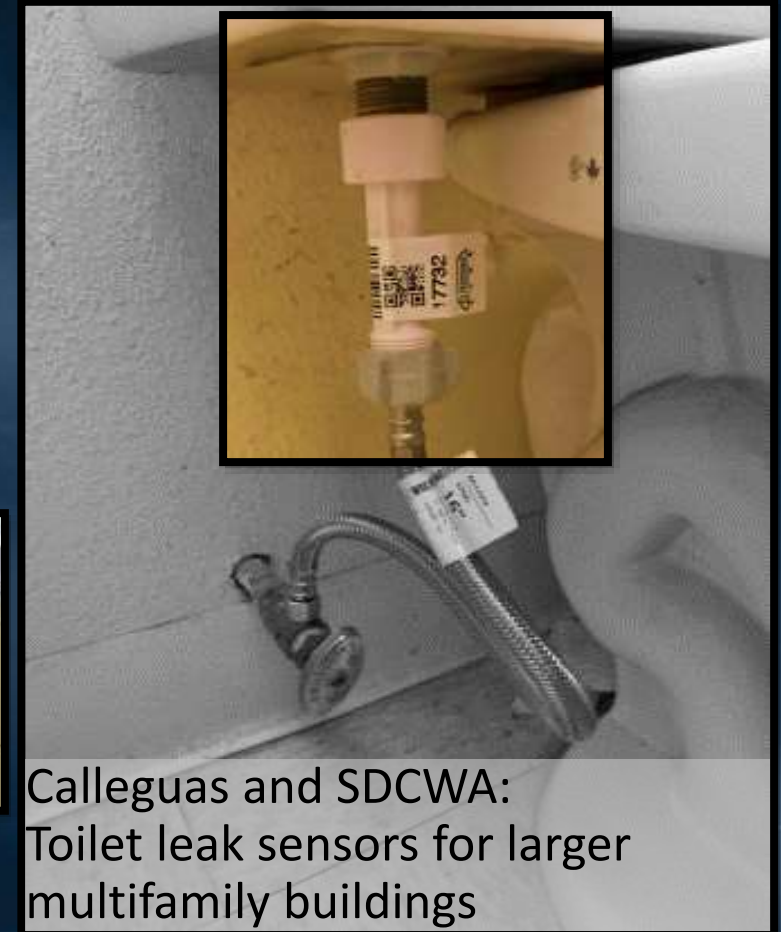
Member Agency Administered Program FY2020/21

Member Agency Administered Program

- Total MAAP budget: \$11M to be utilized over two years
- Proportional amount to each agency based on total M&I usage
- FY 2021 = \$1.5M PAID, \$7.1M Committed



Long Beach Water Department:
DIME/Direct Install for Multifamily Efficiency



Calleguas and SDCWA:
Toilet leak sensors for larger
multifamily buildings

Member Agency Assistance for Projects in Disadvantaged Communities

- Consultants working with agencies on request, to find opportunities to develop projects in DAC areas
- Helping agencies implement direct install, distribution, demonstration type projects
 - Demonstration gardens
 - Leak detection distributions
 - Adding water efficiency measures to energy utility direct install programs

Innovative Conservation Program FY2020/21

Innovative Conservation Program 2020

- Six projects funded during the 2020 cycle
 - Vinduino
 - Burbank Water and Power
 - Alliance for Water Efficiency
 - CNSRV
 - RFI/Responsive Drip Irrigation
 - University of Florida
- Staff moderated panel featuring all project recipients at statewide conference June 2021
- Project results expected Summer 2022



FY2021/22 Expected Expenditures

- Projecting to spend approximately **\$29M** FY 2021/22
- Why we think conservation activity will increase
 - Drought messaging and awareness is building
 - Commercial activity is resuming
 - Majority of MAAP invoices will be paid this fiscal year





Metropolitan's Potential Activities to Increase Conservation in Response to Governor's California Conservation and Metropolitan's Water Supply Alert

Conservation and Local Resources Committee

Item 6b

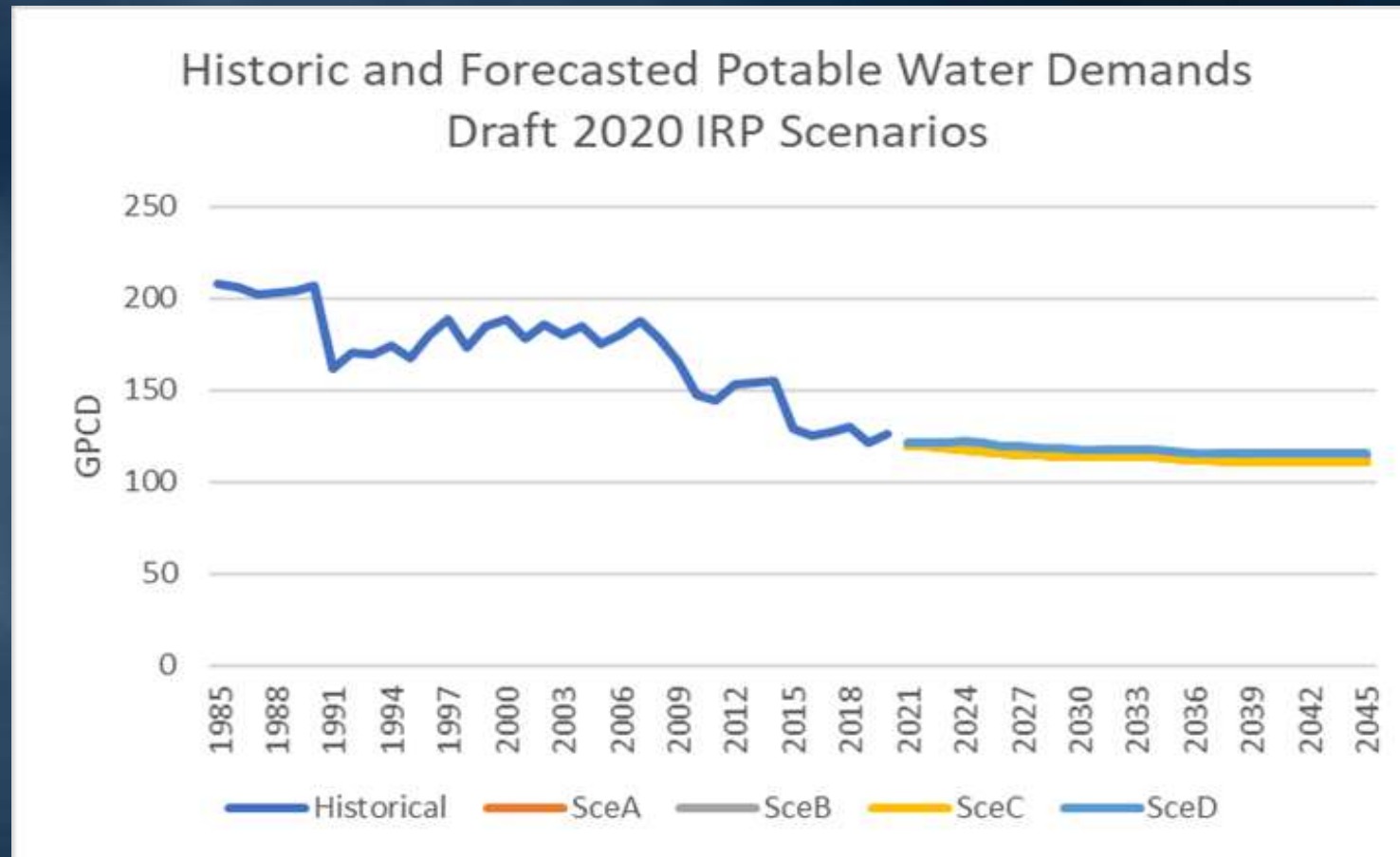
September 28, 2021

Current Snapshot

- Moving from normal year to drought response
 - Increased conservation necessary
 - Currently pursuing funding opportunities
 - State drought funding
 - USBR WaterSmart Water and Energy Efficiency Grant
- Increased conservation also provides long-term benefits
 - IRP scenarios based on water demand remaining low
 - Conservation targeting behavioral changes not permanent
 - Permanent water savings found in institutional changes

IRP Planning

- Increased water use efficiency also provides long-term benefits



Current Drought Response

- Increased marketing of high functioning programs
- Expect program activity to increase



Outreach Timelines

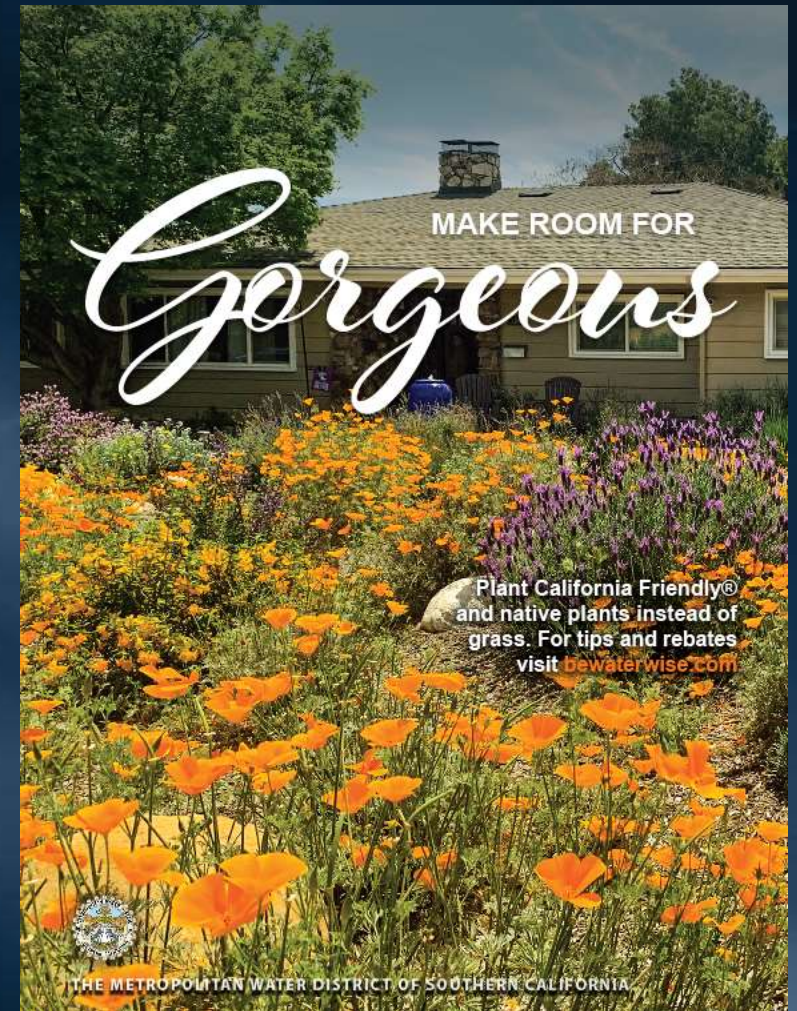


Objectives For Potential New Programs

- Dial up program activity to address the current drought
 - Response to Governor's current drought mandate
 - Support additional programs as part of water supply alert
 - Potential use of state drought funding or grant funding
- Enhance conservation in the following sectors:
 - Disadvantaged Communities
 - Public Agencies
 - Commercial, Industrial, Institutional

Market Based Incentives

- Potential programs focus on market-based incentives
 - Incentive based on amount needed to move people to action
 - Increased incentives = increased activity
- Marketing of these programs increases activity quickly
 - EA able to quickly shift focus to specific rebates
- Focus on these types of incentives complements drought response efforts



Drought Response

Potential Modifications of Existing Conservation Programs

Modification of Turf Replacement Program

- For Commercial and Residential
 - Temporary increase from \$2 to \$3 per square foot
 - Temporary increase in square footage maximum
 - Increase done in conjunction with DAC direct install turf replacement pilot program to increase program participation



Modification of Turf Replacement Program

- For Public Agencies
 - Temporary increase from \$2 to \$3 per square foot
 - Temporary increase square footage maximum from 50,000 to 200,000 square feet
 - Increase participation in incentive programs and assist public agencies in “leading by example”



Modification of Member Agency Administered Program (MAAP)

- Create Public Agency category for MAAP funding
- Comparable to the current DAC category – not held to \$195/acre foot calculation
- Allows up to 100% of MAAP funding to be used for a public agency project

Modification of Pre-1994 Multi-Family Toilet Replacement Rebate Program

- Current program funding replaces 10,000 toilets per budget cycle
- Increase to 25,000 – 50,000 toilets per cycle
- First two cycles the program was subscribed in less than one day



Modification to Regional Rebate Program

- Seasonal Rebates

- Higher incentive on specific water efficient device for 3 months
- Ties incentives to when customers interested in purchasing
 - Rain Barrels – Jan through Mar; targeting rainy season
 - Flow monitoring devices – Apr through June; targeting Fix a Leak month
 - WBIC – July through Sep; targeting summer irrigation changes
 - Clothes washers – Oct through Dec; targeting holiday season

Potential Disadvantaged Community Pilot Programs

DAC Turf Replacement and Leak Detection and Repair Pilot Program

- Direct install and repair program within targeted portions of the service area
 - Initial indoor leak detection survey and outdoor landscape assessment
 - Leak repair and appliance upgrade
 - Direct install California Friendly landscape and irrigation upgrade
- Focus on communities where incentive program participation remains low



Rain Barrel Distribution Program

- Distribution events in DAC portions of the service area
 - Partnership with Member Agency
 - Current DAC consultants would assist agencies
 - Distribution events could be attended by Board members
- Focus on communities where incentive program participation remains low



Flow Monitoring Device Direct Install and/or Distribution Pilot Program

- Option A: direct install through a contractor
- Option B: distribution event with as needed installation assistance
 - Distribution event in DAC portion of an agency's service area
 - Partnering with specific agency allows for pre and post installation data analysis to determine water savings
- Focus on communities where incentive program participation remains low



Potential New CII and Public Agency Programs

School Water Efficiency Pilot Program

- Focus on K-12 schools where incentive program participation tends to be low
- “Concierge” type program where a consultant works with school staff to assist with water conservation upgrades



Municipal Leak Detection Pilot Program

- Provide assistance to member agencies to meet state requirements and increase the efficiency distribution systems
- Option 1: utilize contractor to perform leak detection/repair services within the oldest portion of a MA's distribution system
- Option 2: create grant program for leak detection and repair



Summary

- Potential Program Modifications

- Turf Replacement Program Expansion

- Increase to \$3 per square foot and/or increase square footage maximum

- Public Agency Turf Replacement Program Expansion

- Increase to \$3 per square foot and increase square footage maximum to 200,000

- Public Agency MAAP program

- Create public agency category in local agency project funding program

- Pre-1994 Multi-Family Toilet Replacement Rebate Program

- Increase program funding for installation of 25,000 to 50,000 toilets

- Seasonal Incentive Increase

- Increases selected incentives for a three-month period based on consumer trends

Summary

● Potential New Programs

- **DAC Turf Replacement and Leak Detection and Repair Pilot Program**
 - Direct install and repair program
- **Rain Barrel Distribution Program**
 - Distribution events in DAC portions of service area
- **Flow Monitoring Device Direct Install/Distribution pilot program**
 - Member agency pilot program with distribution and optional installation assistance
- **School Water Efficiency Replacement Pilot Program**
 - “Concierge” style program assisting schools with efficiency upgrades and water efficient landscape installation
- **Municipal Leak Detection Pilot Program**
 - Assist water agencies with leak detection and repair

Considerations

● Budget

- Programs require funding, additional contract services, and admin costs
- Funded without Water Stewardship Rate
 - Not all programs can be implemented
 - Must balance drought considerations with budget constraints
 - Pilot programs allow for increased conservation with currently available funding

● DAC Program

- DAC programs need careful design to conform with governmental purpose
 - Additional review/modifications will be necessary

● Timeline

- Modified incentive programs implemented within six months
- Potential new programs implemented within 12 to 18 months

Next Steps

- Board Discussion and Input





Review of Local Resources Program/On-Site Retrofit Activity During FY 2020/21

Conservation and Local Resources Committee

Item 6c

September 28, 2021

Local Resources Program

Provides incentives for Metropolitan's member agencies to develop new local projects to increase water supply reliability in the region



Recycled Water
(1982)

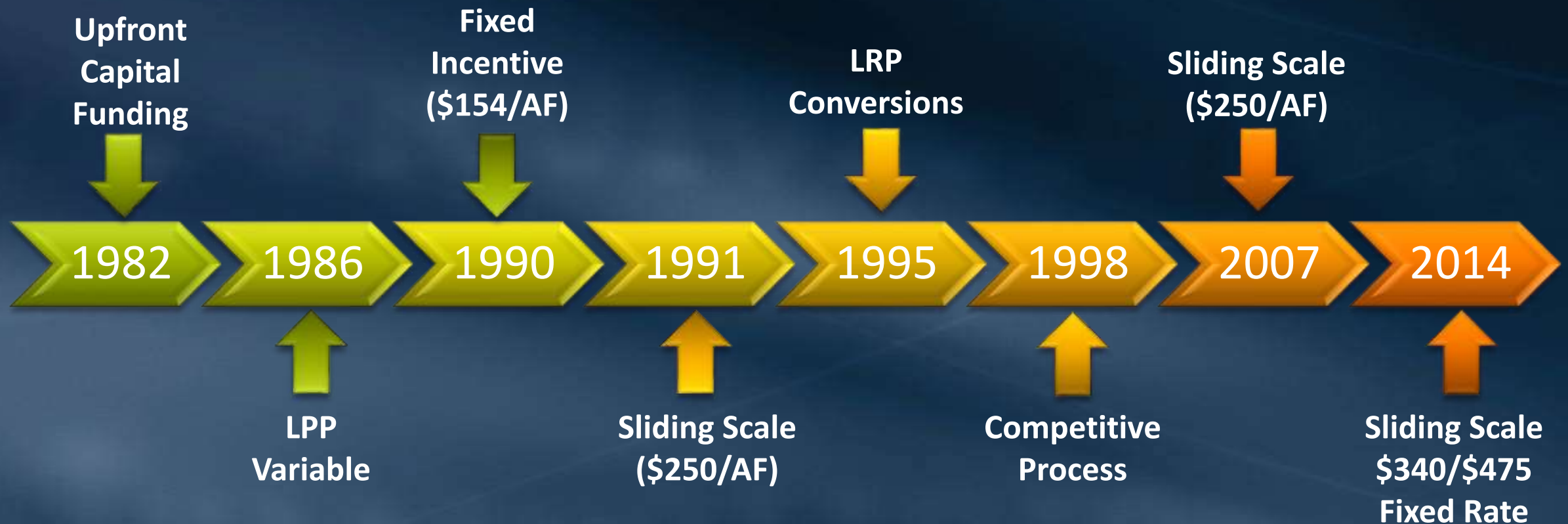


Groundwater Recovery
(1991)



Seawater Desalination
(2014)

Local Resources Program Evolution



- Add new resources and improve flexibility in response to feedback
- Program targets to help meet long-term needs and signal continued commitment to local supply development

Local Resources Program

LRP continuously refined to support the development of local projects



Local Resources Program *Refinements*

Payment Structure Alternatives	Payment Period	Maximum* Incentive Amount
1 – Sliding Scale	25 years	\$340/AF
2 – Sliding Scale**	15 years	\$475/AF
3 – Fixed Incentive Rate	25 years	\$305/AF

* Payment for project water produced and used

** Project must produce for 25 years

2014

Introduced
new
incentive
structure

2018

Established
interim
target

- 170,000 Acre-Feet
- 10 agreements signed (66,000 AF)

Local Resources Program *Recent Updates*

2021

Performance
provision
refinements

- Framework for amending start of operation
 - Approved by Board in June 2021
- Extension can be up to three years
- Agreement amendment requires Board approval











2021

Performance
provision
refinements

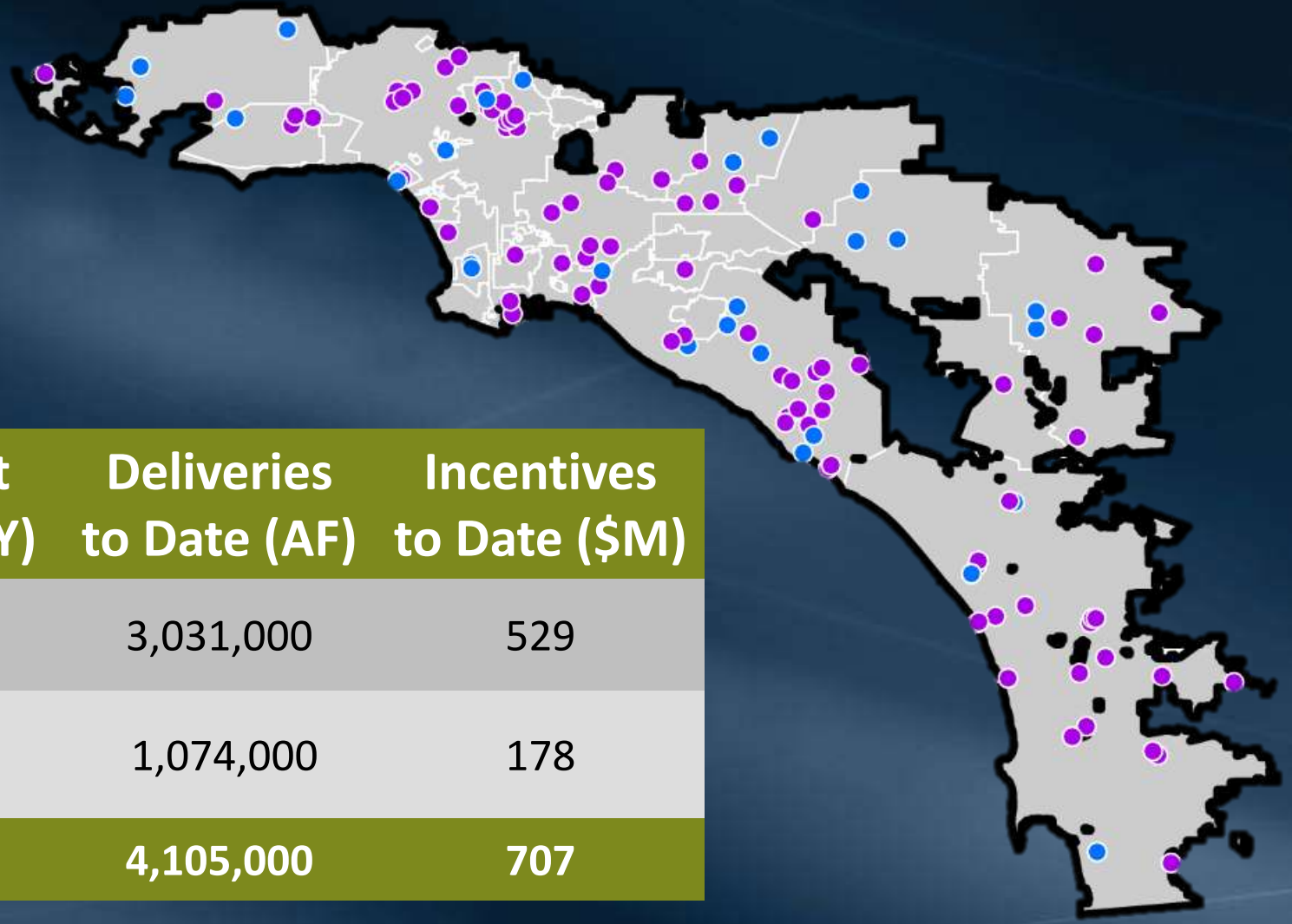
- Framework for extending agreement termination date
 - Proposed for Board approval in October 2021
- Pause the agreement
- Extension can be up to three years
- Agreement amendment requires Board approval

Consistent With Approved Framework

Staff would request Board authorization for extension or amendment to an active LRP project based on the following criteria:

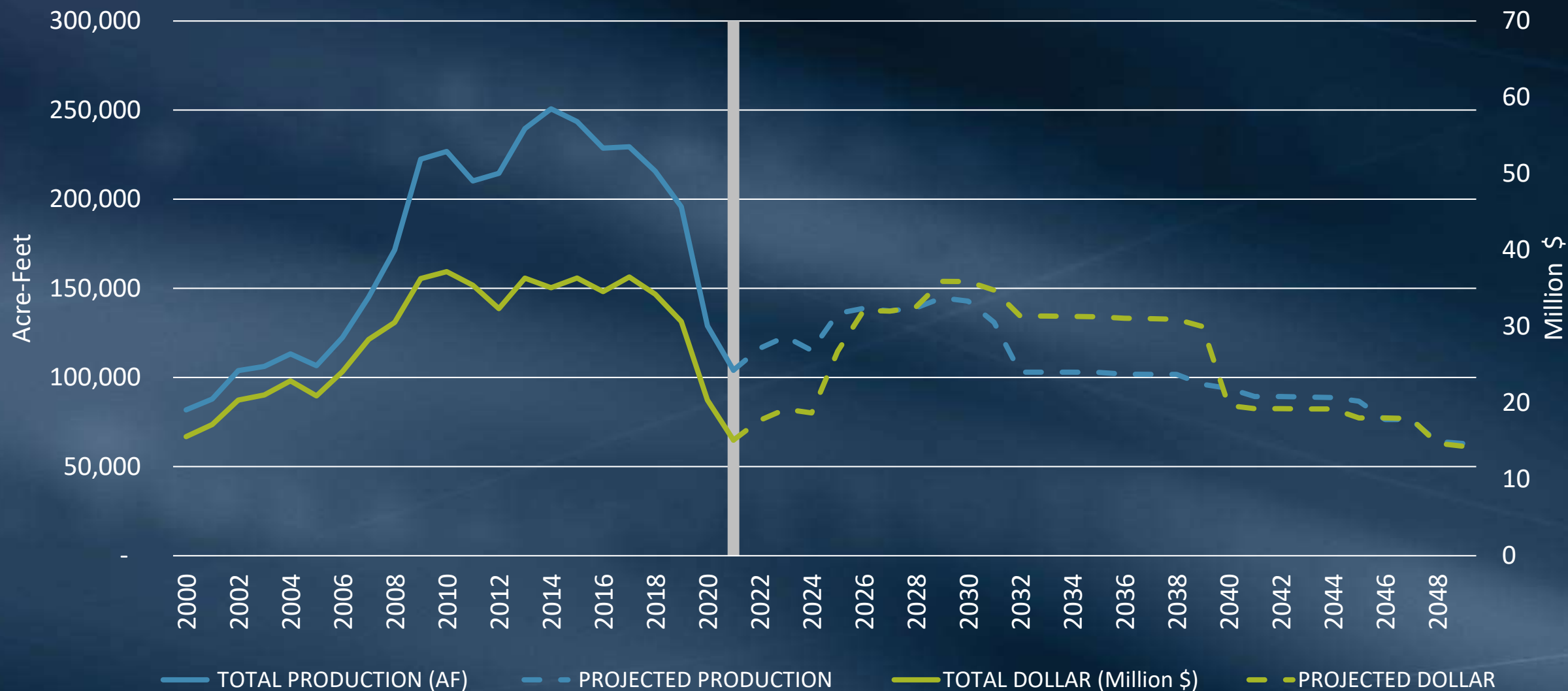
Formal Extension / Amendment Request by Project Sponsors	Continuing Pursuance of Project by Parties	Project Schedule	Start of Operation Extension
<ul style="list-style-type: none">• Include project-specific circumstances for extension request 	<ul style="list-style-type: none">• Affirm that all parties to the agreement are still pursuing the project  	<ul style="list-style-type: none">• Provide a revised schedule   	<ul style="list-style-type: none">• Affirm that project will start operation within requested extension• Extension may not exceed three fiscal years    

Local Resources Program *To-Date*



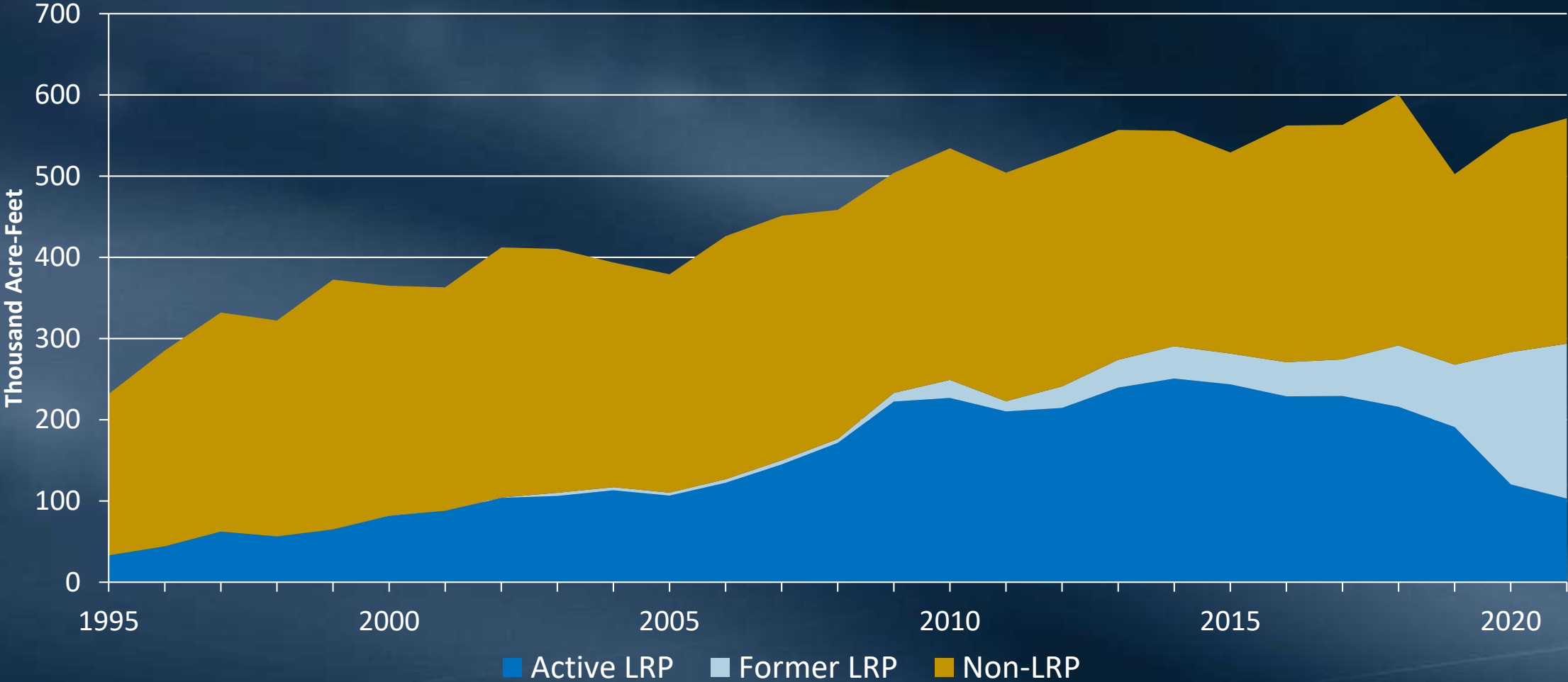
Type		Number of Projects	Contract Yield (AFY)	Deliveries to Date (AF)	Incentives to Date (\$M)
Recycling	●	88	359,000	3,031,000	529
Groundwater Recovery	●	28	125,000	1,074,000	178
Total		116	484,000	4,105,000	707

Local Resources Program

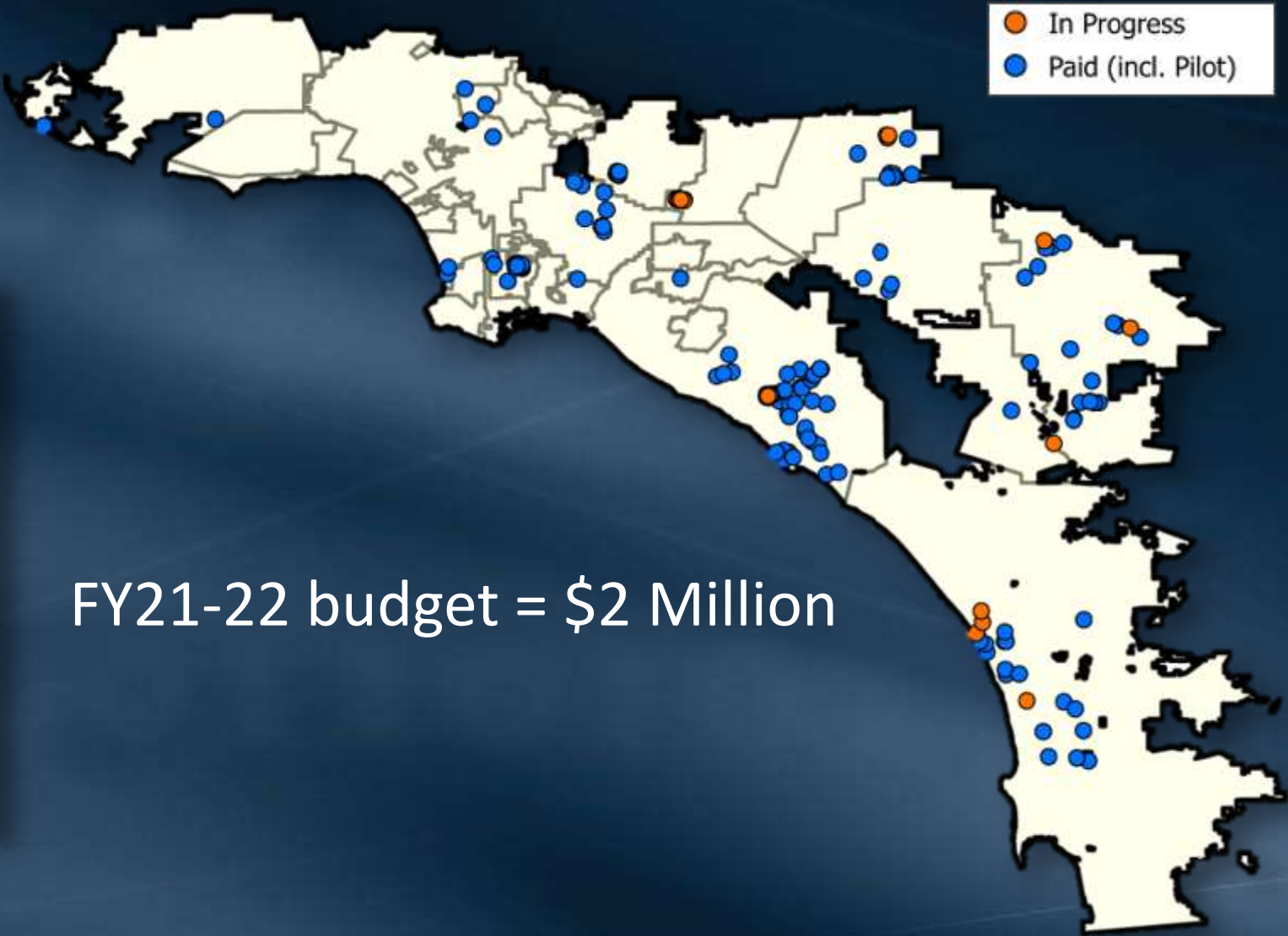
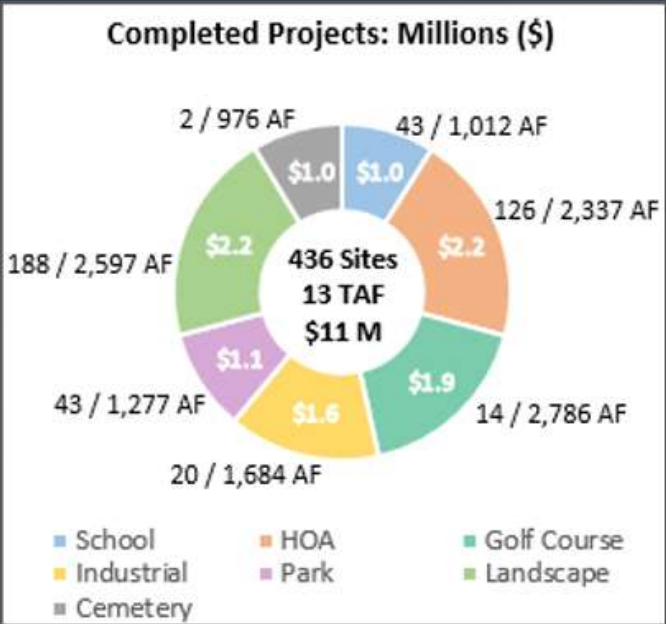


Local Resources Program

Recycled Water + Groundwater Recovery



On-Site Retrofit Program



FY21-22 budget = \$2 Million

Local Resources Program *Additional Efforts*



Member Agency
Workgroup



Recycled water
GIS



Legislation

Summary

- LRP supports local resource development in the region
 - LRP accelerates project development among member agencies
 - LRP helps improve regional reliability

