



OWC Committee

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

One Water (Conservation and Local Resources) Committee

Meeting with Board of Directors *

May 24, 2022

9:30 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 1-877-853-5257; enter meeting ID: 831 5177 2466. 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 (833) 548-0276 and enter meeting ID: 815 2066 4276.

**Tuesday, May 24, 2022
Meeting Schedule**

**09:30 a.m. OWC
10:30 a.m. A&E
12:00 p.m. Break
12:30 p.m. Exec
01:30 p.m. Sp BOD**

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

- A. Approval of the Minutes of the Meeting of the One Water (Conservation and Local Resources) Committee held April 26, 2022 [21-1164](#)

Attachments: [05242022 OWC 2A Minutes](#)

3. CONSENT CALENDAR ITEMS - ACTION

- 7-1** Authorize agreement with Electric & Gas Industries Association to administer Metropolitan's Consumer Incentive Programs; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA [21-1210](#)

Attachments: [05242022 OWC 7-1 B-L](#)
[05242022 OWC 7-1 Presentation](#)

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

4. OTHER BOARD ITEMS - ACTION

NONE

5. BOARD INFORMATION ITEMS

NONE

6. COMMITTEE ITEMS

- a. Update on Conservation Programs [21-1160](#)

Attachments: [05242022 OWC 6a Presentation](#)

- b. Oral Discussion on One Water Concepts and Application to Metropolitan [21-1161](#)

Attachments: [05242022 OWC 6b Presentation](#)

7. MANAGEMENT REPORTS

- a. Water Resource Management Manager's Report [21-1163](#)

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.

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MINUTES

ONE WATER (CONSERVATION AND LOCAL RESOURCES) COMMITTEE

April 26, 2022

Chair Abdo called the teleconference meeting to order at 10:51 a.m.

Members present: Chair Abdo, Vice Chair Quinn, Ackerman, Blois, Erdman, Fellow, Fong-Sakai, Kurtz, Lefevre, Morris, and Pressman.

Members absent: Directors Atwater and Cordero.

Other Board Members present: Chairwoman Gray, Directors Blois, Camacho, De Jesus, Dennstedt, Dick, Feassel, Goldberg, Jung, Luna, McCoy, Miller, Ortega, Peterson, Ramos, Record, Smith, Sutley, and Tamaribuchi.

Committee staff present: Coffey, Hagekhalil, Munguia, Schlotterbeck, and Upadhyay.

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))

1. Caty Wagner, Sierra Club California, spoke in favor of local water recycling projects.
2. Maura Monagan, Los Angeles Water Keeper, spoke in favor of conservation and efficiency programs.

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. Subject: Update on New and Modified Conservation Programs

Presented by: Elise Goldman, Resource Specialist, Water Efficiency Team

Ms. Goldman provided a presentation that discussed the trends in the Turf Replacement Program activity, Regional Rebate Program as related to residential device activity, new and modified program, and staff's projections for the end of the fiscal year. She reviewed recent Board-approved new and modified conservation programs.

The following Directors provided comments or asked questions:

1. Ortega

Staff responded to the Directors' comments or questions

- b. Subject: Eliminating Non-Functional Turf – Southern Nevada Water Authority Progress

Presented by: Colby Pellegrino, Deputy General Manager, Resources, Southern Nevada Water Authority

Ms. Pellegrino provided a presentation on Southern Nevada Water Authority's water conservation activity on non-functional turf.

The following Directors provided comments or asked questions:

1. Sutley
2. Quinn
3. Ortega
4. Record
5. Peterson

Ms. Pellegrino responded to the Directors' comments or questions

- c. Subject: Governor's Executive Order and Metropolitan's Activities Related to Non-Functional Turf

Presented by: Krista Guerrero, Resource Specialist, Water Efficiency Team

Ms. Guerrero's presentation summarized the Governor's Executive Order. She explained Metropolitan's activity in the Turf Replacement Program related to commercial and industrial sectors, and a new study on the prevalence of non-functional turf.

The following Director provided comments or asked questions:

1. Ortega

Staff responded to the Directors' comments or questions

- d. Subject: Update on Agreement to Administer Water Conservation Program

Presented by: Marcelo Alvarez, Sr. Resource Specialist, Water Efficiency Team

Mr. Alvarez gave a presentation that explained the selected vendor's scope of work related to Metropolitan's Conservation Program. The selected vendor would process applications, pay incentives, manage the SoCal WaterSmart website, and coordinate inspections.

The following Directors provided comments or asked questions:

1. Ortega
2. Dick
3. Sutley

Staff responded to the Directors' comments or questions

7. MANAGEMENT REPORTS

- a. Subject: Water Resource Management Manager's Report

Item was deferred.

8. FOLLOW-UP ITEMS

None

9. FUTURE AGENDA ITEMS

None

10. ADJOURNMENT

Next meeting will be held on May 24, 2022.

Meeting adjourned at 11:58 a.m.

Judy Abdo
Chair



- **Board of Directors**
One Water Committee

6/14/2022 Board Meeting

7-1

Subject

Authorize agreement with Electric & Gas Industries Association to administer Metropolitan's Consumer Incentive Programs; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

This action seeks authorization of a five-year agreement with Electric & Gas Industries Association (EGIA) to administer Metropolitan's consumer incentive programs. These programs include incentives that encourage conservation and efficiency for residential, commercial, and industrial consumers. Incentives are also available to help consumers hook up to recycled water systems through the On-Site Retrofit Program (OSRP) and participate in the Water Savings Incentive Program (WSIP). Metropolitan will pay fees for EGIA's services from the funds that the Board authorizes for consumer incentive programs. The Regional Rebate Program, OSRP, and the WSIP are major vehicles that Metropolitan relies on to advance water use efficiency in the service area. EGIA's cost proposal is included as **Attachment 1**.

Details

Background

Metropolitan provides incentive programs to encourage conservation and efficiency for consumers throughout the region with regional programs and member agency administered programs. Various elements of these programs target residential, commercial, and industrial consumers. Metropolitan also has programs that target conservation among public agencies, incentives for consumers interested in hooking up to recycled water systems, and incentives for consumers that may have a unique project.

To help administer these regional incentive programs, Metropolitan uses the services of a vendor to manage the processing of consumer applications for rebates. These services include the many steps necessary to process rebate applications and pay the incentive dollars to consumers. The current vendor, EGIA, was selected through a competitive Request for Proposals (RFP) process in 2017.

RFP For Services To Administer Consumer Incentive Programs

On January 26, 2022, staff issued an RFP requesting new proposals for the administration of the incentive programs because EGIA's current five-year contract expires on June 30, 2022. Staff notified more than 1,500 firms to generate interest in bidding on this work. Of the firms notified, 38 firms downloaded the proposal package, and five firms attended a pre-proposal conference held on February 9, 2022. EGIA was the sole respondent through this process.

EGIA is a nonprofit organization, recognized as a national leader in providing resource efficiency services, energy efficiency program administration, and rebates for utility and water agencies. EGIA also provides the home improvement industry with comprehensive consumer energy efficiency and solar financing solutions and has worked with the Department of Water Resources and other agencies on water conservation programs. Metropolitan and member agency staff reviewed EGIA's proposal and determined that EGIA, the current vendor, is both qualified and responsive to the RFP. EGIA also has extensive experience in managing and implementing

agency and utility programs, and staff recommends approval of an agreement with EGIA to administer the consumer incentive programs.

Administration Costs

Attachment 1 contains the cost proposal from EGIA for the proposed five-year term. The cost of EGIA's administration is estimated at approximately 7.4 percent of Metropolitan's consumer incentive programs and will be paid from the funds that the Board authorizes for consumer incentive programs. Actual administrative fees will vary with budgets and activity levels.

EGIA's cost proposal is competitive with their existing contract and is segmented based on Metropolitan's various incentive programs as follows:

- **Residential and commercial programs.** No more than 10.95 percent of Metropolitan's incentive.
- **Turf removal.** No more than \$500 per application.
- **On-site Retrofit Program.** No more than \$680 per application.
- **Water Savings Incentive Program.** No more than \$4,250 per application.
- **Contractor Direct Rebate Program.** A total of no more than \$119,250 annually, assuming 50 participating companies.

Because Metropolitan has not yet negotiated a new agreement with EGIA, EGIA's proposal represents a maximum. The actual amount paid would vary in accordance with the funding authorized by Metropolitan's Board for these programs. Since the fees are based on the incentives funded by Metropolitan, any additional funding added by member agencies does not result in higher administrative fees.

Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute item 52790, dated April 12, 2022, the Board approved the biennial budget for fiscal years 2022/2023 and 2023/2024.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA (Public Resources Code Section 21065, State CEQA Guidelines Section 15378) because the proposed action will not cause either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment and involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not defined as a project under CEQA because it involves the creation of government funding mechanisms or other government fiscal activities which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Authorize the General Manager to enter into a five-year agreement with Electric & Gas Industries Association to administer Metropolitan's consumer incentive programs, to be paid from funds the Board authorized for Metropolitan's consumer incentive programs, in accordance with a cost schedule that will not exceed the proposal in **Attachment 1** of the board letter.

Fiscal Impact: The cost of the contract is estimated at 7.4 percent of Metropolitan's consumer incentive programs.

Business Analysis: EGIA is highly experienced in the administration of consumer incentive programs.

Option #2

Do not authorize a five-year agreement with Electric & Gas Industries Association. Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and authorize a one-year extension of the current contract

Fiscal Impact: Undetermined. EGIA proposal is for an expected contract of five years and may not apply to a contract of a shorter duration. In any event, staff would negotiate the most favorable terms,

Business Analysis: An extension to the current contract would be necessary to allow staff to re-issue the RFP, although additional companies may not submit proposals. Metropolitan's consumer incentive programs would continue to be processed by EGIA during the RFP process.

Staff Recommendation

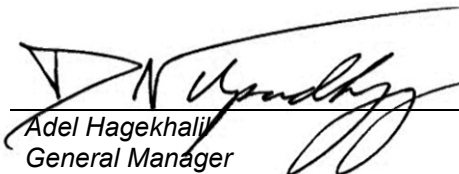
Option #1



Brad Coffey
Manager, Water Resource Management

5/18/2022

Date

for 

Adel Hagekhalil
General Manager

5/19/2022

Date

Attachment 1 – Exhibit B – Fee Schedule - Sample

Ref# wrm12689691

Exhibit B – Fee Schedule – SAMPLE

Respondent shall submit a proposal on all Programs. Complete the information below.

A. Residential & Commercial Programs

Instruction: Enter % to be multiplied times the budget to calculate respondent fee proposal.

<i>Cost Proposal for Residential and Commercial Programs</i>	
Metropolitan's estimated annual budget for Residential and Commercial Programs (Do Not Change)	\$ 20,000,000
Proposed fees as a percentage of the budget amount*	10.95%
<i>Respondent's Cost Proposal (Multiply percentage times \$20,000,000)*</i>	<i>\$2,190,000.00</i>

**proposed fee shall be inclusive of all services required to administer program (e.g. database, website, reporting, etc.)*

B. Turf Removal Program

Instruction: Enter a flat amount to be charged per application based on the sq. ft. listed below

<i>Cost Proposal for Turf Removal Program</i>			
	<u>Flat Amount per Application*</u>	<u>Estimated Number of Applications, Annually (Do Not Change)</u>	<u>Annual Total*</u>
Turf Removal Square Footage			
Applications for 250-5,000 sq. ft. Assume 400 applications annually	\$275.00	400	\$110,000.00
Applications for 5,001 sq. ft. or greater. Assume 100 applications annually	\$500	100	\$50,000.00
<i>Total (add shaded cells):</i>			<i>\$160,000.00</i>

**proposed fee shall be inclusive of all services required to administer program (e.g. database, website, reporting, etc.)*

C. Recycled Water Program

Proposed budget for this program will be \$15,000,000 (total, not annually). Assume 80 applications annually.

<i>Cost Proposal for Recycled Water On-Site Retrofit Program</i>			
	<u>Flat Amount per Application*</u>	<u>Estimated Number of Applications, Annually (Do Not Change)</u>	<u>Annual Total*</u>
Each Application	\$680.00	80	\$54,400.00

**proposed fee shall be inclusive of all services required to administer program (e.g. database, website, reporting, etc.)*

D. Contractor Direct Rebate Program

Assume 50 companies annually.

Cost Proposal for Contractor Direct Rebate Program			
Online Enrollment Process- start-up (one-time cost)	\$10,000.00		
Contractor Enrollment (per company, assume 50 companies annually)	<u>Unit Cost</u>	<u>Estimated Number of Companies, Annually (Do Not Change)</u>	<u>Annual Total</u>
1st Year Enrollment	\$100.00	50	\$5,000.00
Annual Renewal	\$75.00	50	\$3,750.00
Background Check Screening (per company Principle)	\$35.00	50	\$250.00
Monthly administration & reporting	<u>Monthly Cost</u>	<u>Number of Months</u>	\$114,000.00
	\$9,500.00	12	
Total (add shaded cells):			\$119,250.00

E. Water Savings Incentive Program (WSIP)

Proposed budget for this program will be approximately \$10,000,000 (total, not annually). Assume 30 applications annually. The Cost Proposal will have two components:

1. A Cost Per Application to complete all tasks from application receipt through payment of non-monitored project incentives or initial payments of monitored projects (steps 1 through 14m. / 15 on WSIP process flowchart in section 2.2.8.5). This would also include projects that have been analyzed, but not approved by Metropolitan for funding.
2. A Cost Per Application to complete all tasks for Monitored Projects from analyses of water savings through final incentive payments and verification of cashed checks (steps 15m. through 17m. on WSIP process flowchart in section 2.2.8.5).

Cost Proposal for WSIP Program			
<u>Processing Steps</u>	<u>Flat Amount per Application*</u>	<u>Estimated Number of Applications, Annually (Do Not Change)</u>	<u>Annual Total*</u>
Steps 1 through 14m. / 15 on WSIP process flowchart*	\$2,500.00	30	\$75,000.00
Steps 15m. through 17m. on WSIP process flowchart*	\$1,750.00	30	\$52,500.00
Total (add shaded cells):			\$127,500

**proposed fee shall be inclusive of all services required to administer program (e.g. database, website, reporting, etc.)*

GRAND TOTAL:	\$2,651,150.00
The combined costs of A, B, C, D, and E.	



One Water Committee

Execute Agreement for Regional Conservation Rebate Program

Item 7-1

May 24, 2022

Contract Process for Regional Rebate Program Administration



Request for
Proposals

RFP issued January 2022

Received &
Reviewed Proposal

Panel reviewed/scored
the received proposal

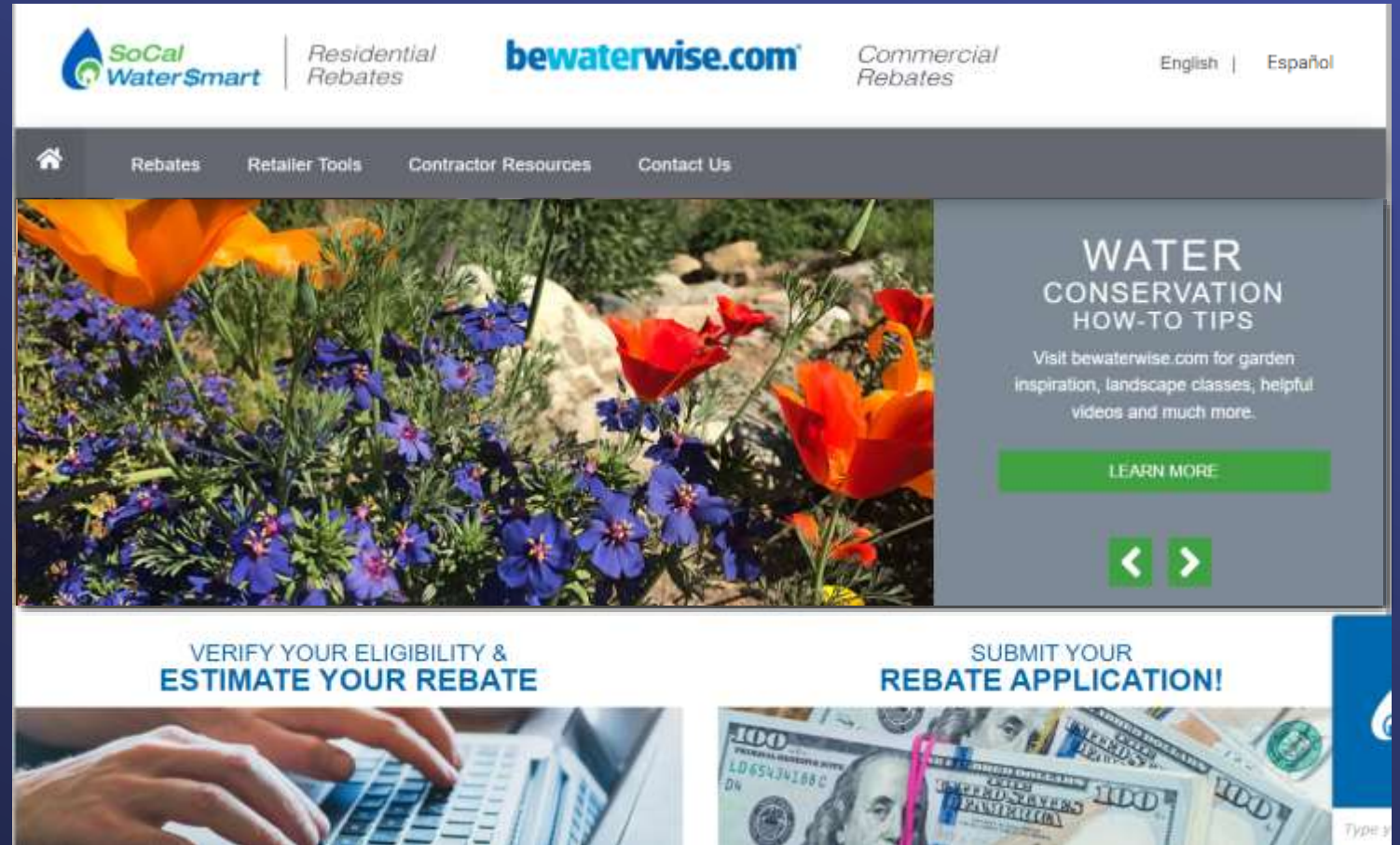
Provide
Recommendation

Recommending contract with
Electric Gas Industries Association (EGIA)

Contract Terms

July 2022 – June 2027

EGIA Selected to Administer Metropolitan's Regional Rebate Program



EGIA is an Experienced Vendor

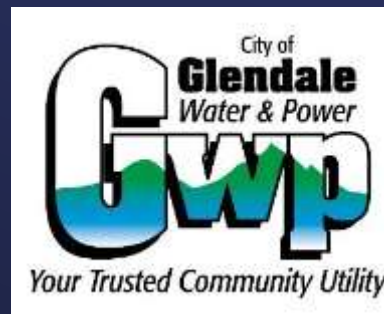
State Agencies



Investor Owned Utilities

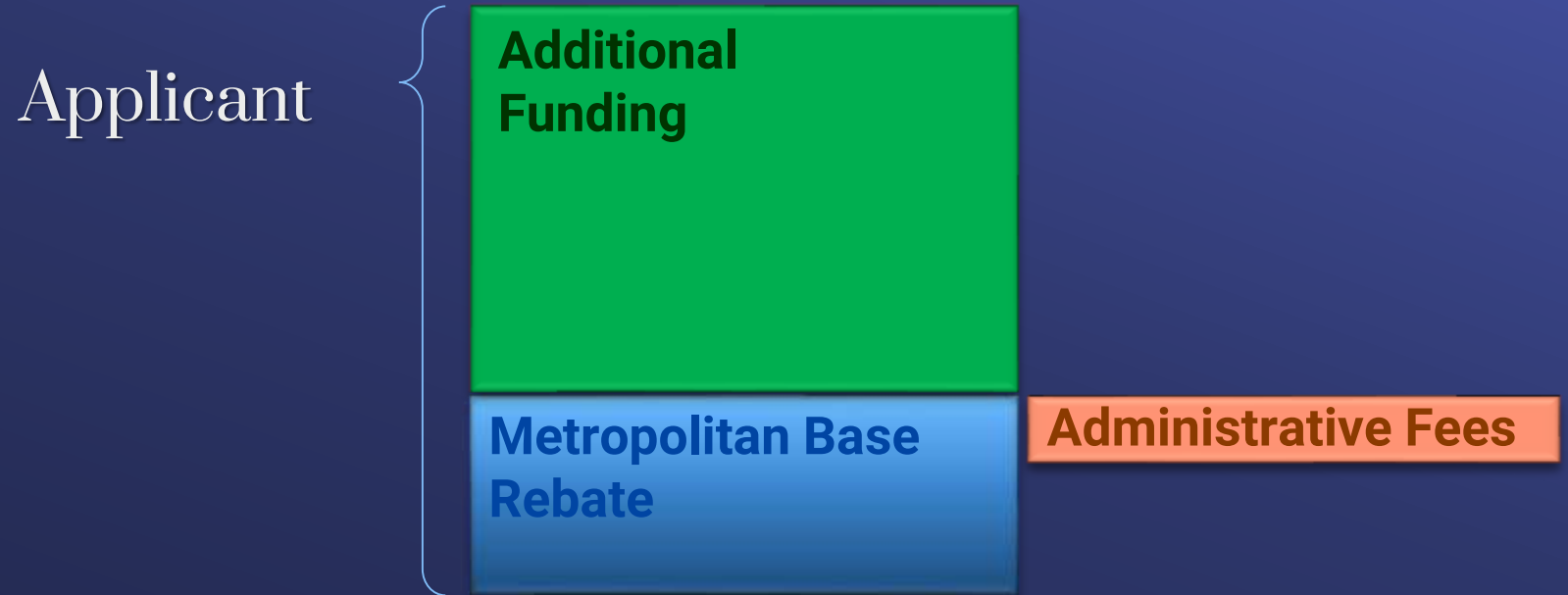


Municipal Utilities



EGIA Fees to Administer Incentive Program

Fees Calculated Based on Metropolitan Base Rebate



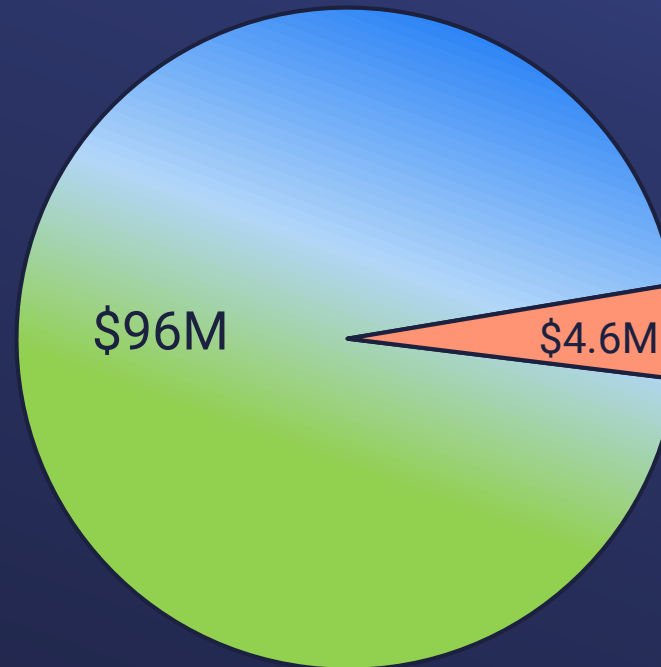
Fees for device applications: 10.95% of base rebate

Fees for turf applications: \$500 maximum

Current Contract Rebates & Admin Fees

July 2017 – April 2022

- Total rebates provided: \$96M
 - Includes Metropolitan base rebate & additional funds
- Total EGIA administrative fee: \$4.6M



■ Total Rebates ■ Admin Fees

Administrative Fees
4.8%
of total rebates

Next Steps

- With Board Approval, execute new 5-year contract with Electric Gas Industries Association by June 30
- Vendor ready to respond to increased activity due to current drought situation

Board Options

Option #1

- Authorize the General Manager to enter into a five-year agreement with Electric & Gas Industries Association to administer Metropolitan's consumer incentive programs, to be paid from funds the Board authorized for Metropolitan's Consumer Incentive Programs, in accordance with a cost schedule that will not exceed the proposal in Attachment 1 of the board letter.

Board Options

Option #2

- Do not authorize a five-year agreement with Electric & Gas Industries Association. Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and authorize a one year extension of the current contract

Staff Recommendation

Option #1





One Water Committee

Conservation Update

Item 6a

May 24, 2022

Conservation Program Expenditures FYs 2020/21 & 2021/22 ⁽¹⁾

	Paid ⁽²⁾	Committed ⁽³⁾
Regional Devices	\$7.0M	\$7.5M
Member Agency Administered	\$3.0M	\$6.5M
Turf Replacement	\$14.5M	\$16.4M
Advertising	\$0.3M	\$4.2M
Other	\$2.6M	\$1.2M
TOTAL	\$27.4M	\$35.8M

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

(2) As of 7/1/2020 – 3/31/2022.

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

Conservation Program Activity FYs 2020/21 & 2021/22



Turf Replacement Rebates:

March: 325,645 ft² removed

FY2020/21-FY2021/22: 7,411,235 ft² removed



Clothes Washers:

March: 855 units rebated

FY2020/21-FY2021/22: 29,171 units rebated



Sprinkler Nozzles:

March: 1,259 units rebated

FY2020/21-FY2021/22: 54,377 units rebated

Lifetime Water Savings to be achieved by all rebates in March 2022: 2,906 AF

FY2020/21-FY2021/22: 68,433 AF lifetime water savings

Emergency Declaration Support for Member Agencies & Efforts to Accelerate Conservation

Emergency Conservation Program Support

Agencies identified in the emergency declaration can access Metropolitan funds for enforcement

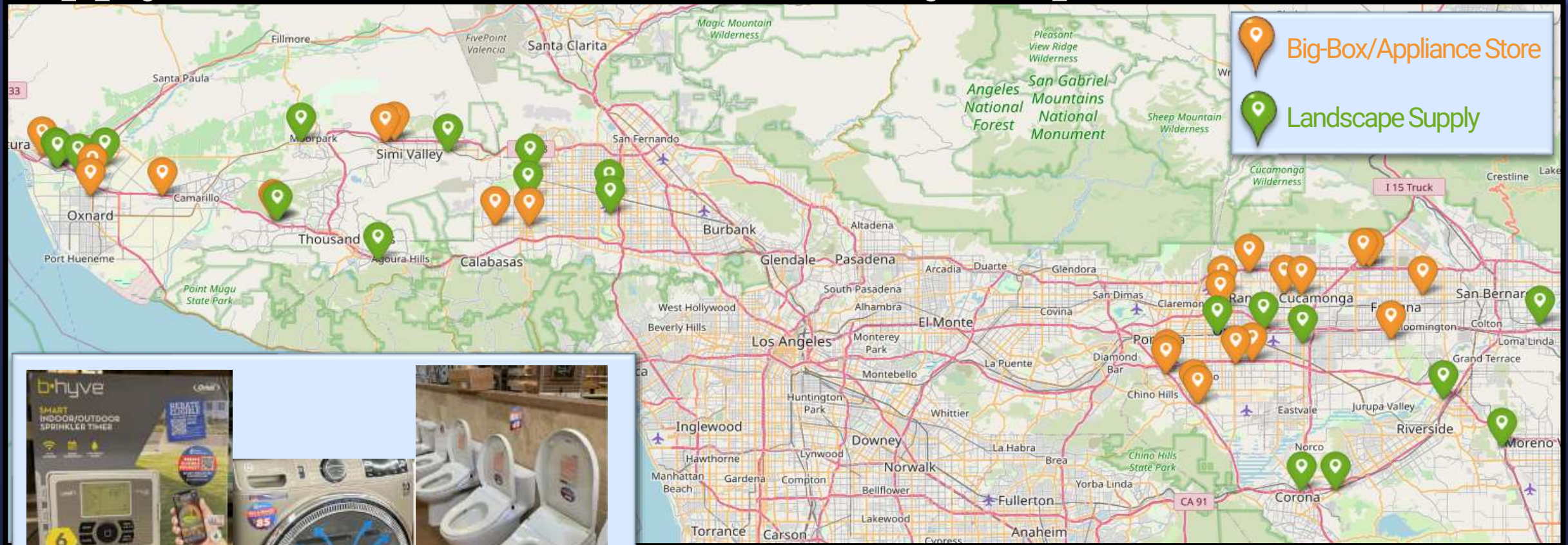
- Funds will be available through the Member Agency Administered Program

Metropolitan has ramped up efforts to respond to drought conditions

Efforts to Accelerate Conservation Activity

- Finalizing grant fund awards totaling \$6.5M from California Department of Water Resources (DWR) and United States Bureau of Reclamation (USBR)
 - DWR \$2.0M for turf replacement
 - DWR \$2.5M SCG direct install expansion
 - USBR \$2.0M for public agency turf replacement
- Conducting in-store outreach, focused initially on critical areas

Metropolitan placed material in big-box stores & landscape supply to reach consumers where they shop



Increases in total applications seen for the targeted areas.

State Water Resources Control Board (SWRCB) Emergency Regulations

Executive Order N-7-22

Issued March 28, 2022

Public Hearing April 21, 2022

Board Meeting May 24, 2022

The SWRCB to determine emergency regulations for urban water suppliers

- Suppliers with Water Shortage Contingency Plans (WSCP) enact Level 2: reductions up to 20%
- Suppliers without WSCP
 - Initiate public outreach campaign
 - Limit residential irrigation to no more than two days per week
- Ban potable water irrigation of non-functional turf
 - Focused on Commercial, Industrial and Institutional (CII) properties
 - Exception to ensure health of trees and other perennial non-turf plantings

SWRCB
Emergency
Regulations
for Urban
Water
Suppliers

Proposed Non-Functional Turf Regulation Focused on CII Sector

- 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
- Infractions punishable by a fine of up to \$500 for each day in violation





One Water (Conservation & Local Resources) Committee

One Water Concepts & Application to Metropolitan

Item 6b

May 24, 2022

Before One Water, two waters reigned

Two Waters Concept

Before One Water, two waters reigned



John Snow



Edwin Chadwick

Two Waters Reigned for a Century

One Water considered early at Metropolitan



“...the only practical source for an additional supply is to be found in the waters of the Colorado River. **The single exception is the proposal to reclaim the water of the sewage.** To some extent this may prove possible, but none of the water so reclaimed could be used in any municipal system. All of it would necessarily be devoted to manufacturing and irrigation uses”.

MWD Engineering Board of Review (1930)

Two Waters Reigned for a Century

Reuse considered in Los Angeles in 1930



Los Angeles Experimental Plant

“The final water is clear, clean, odorless, tasteless and suitable for drinking purposes.”

Goudey (1931)

Two Waters Reigned for a Century

Emergency Reclaimed Water
use in Chanute, Kansas
(1956)

Early missteps didn't help



“The treated water had several objectionable characteristics. It had a pale-yellow color and an unpleasant musty taste and odor.”

Metzler (1958)

Two Waters Reigned for a Century

Emergency Reclaimed Water
use in Chanute, Kansas
(1956)

Early missteps didn't help



“The reuse of sewage treatment plant effluent to supplement deficient water supplies should not be considered or permitted except under the most severe emergency conditions.”

Metzler (1958)

Two Waters Reigned for a Century

Two Waters Established in Legislation...
but provided an opportunity

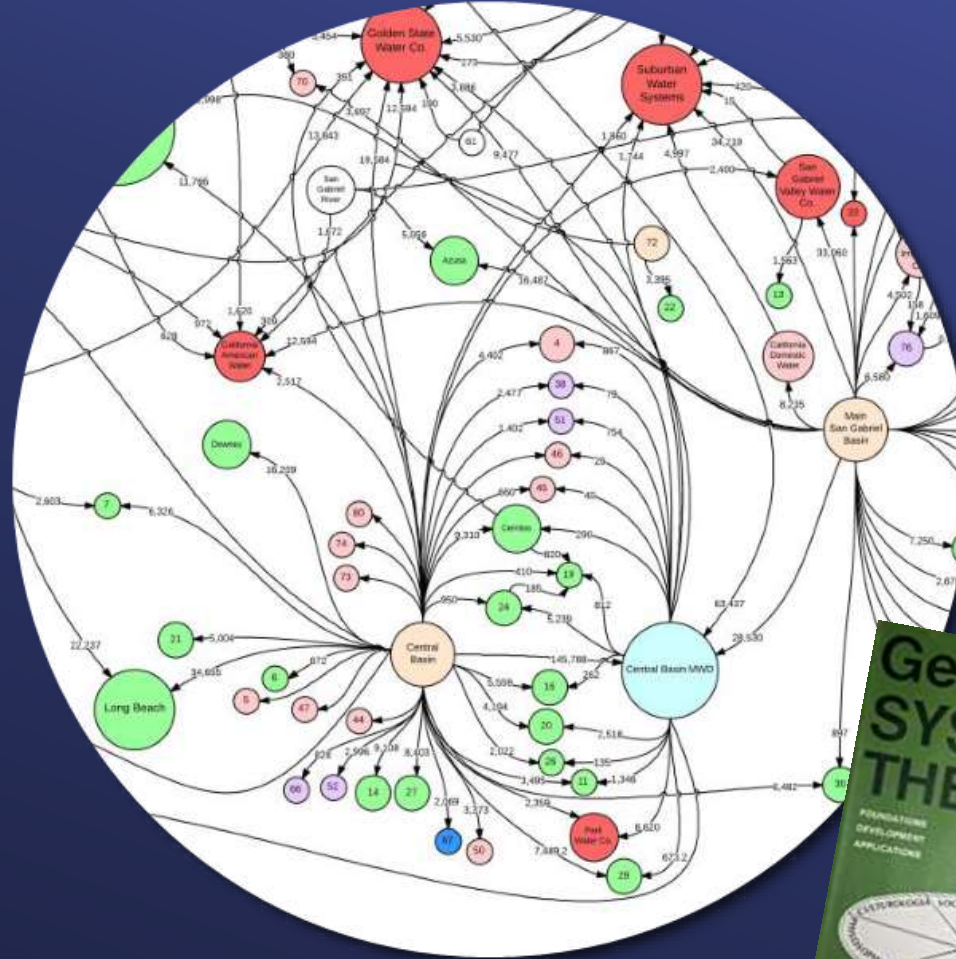


Clean Water Act
(1972)



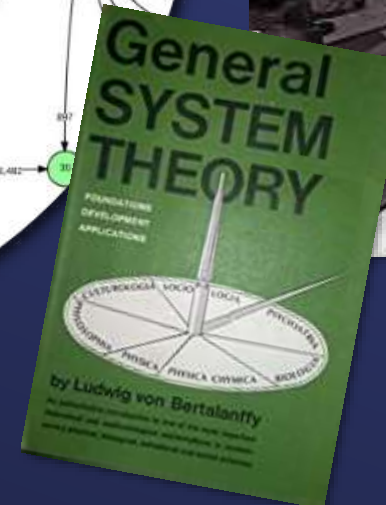
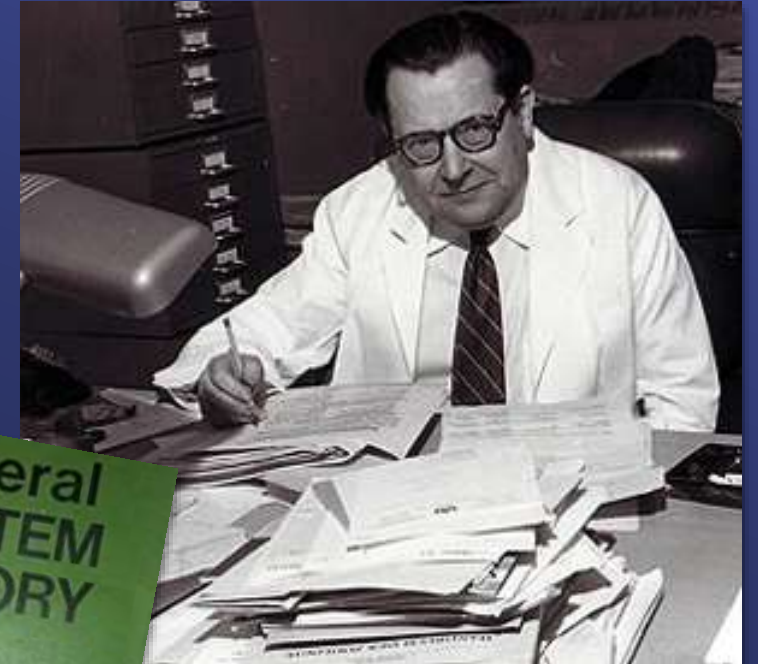
Safe Drinking Water Act
(1974)

Systems Thinking Changed the Game

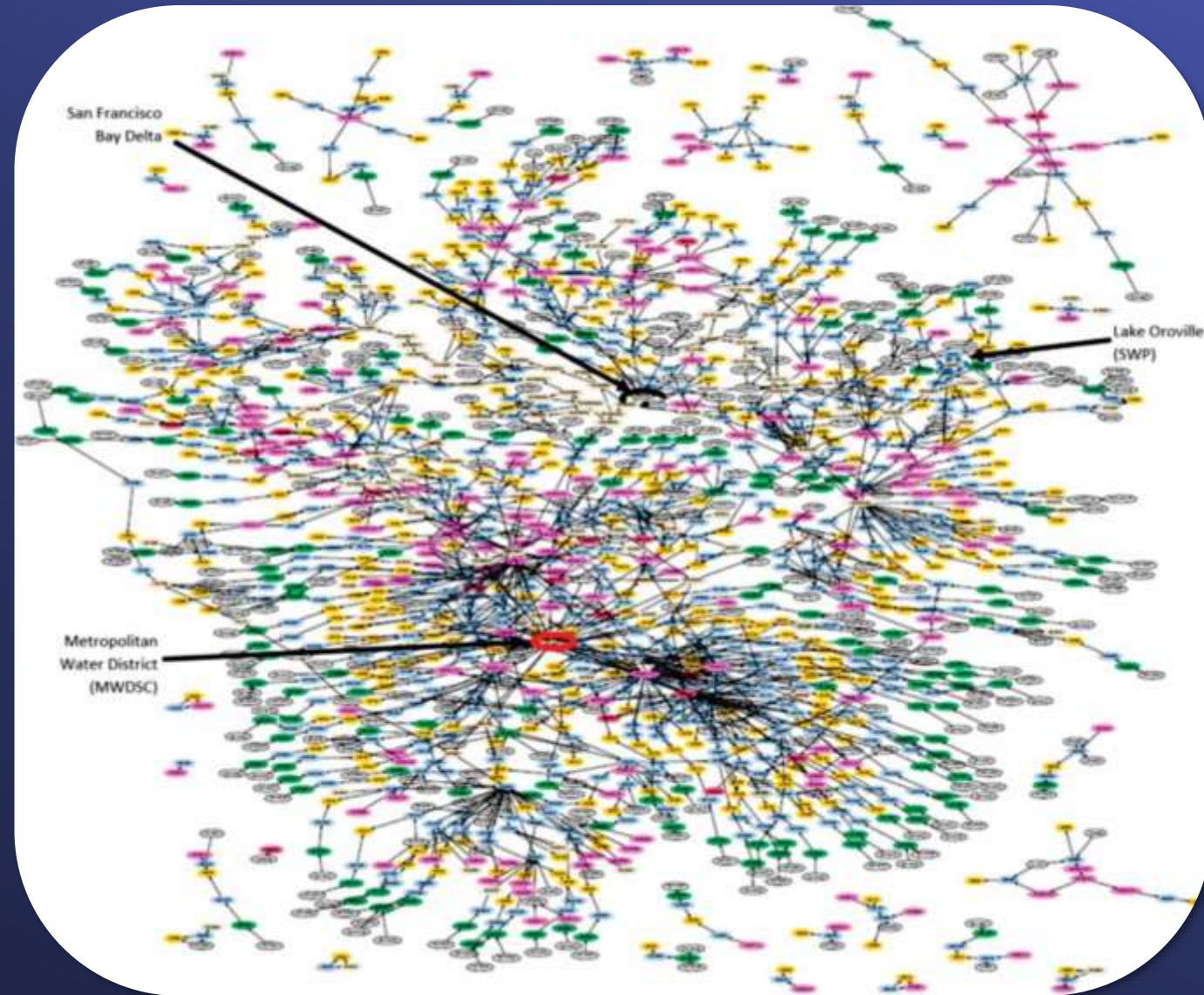


Pincetl & Glickfeld (2015)

Karl Ludwig von Bertalanffy

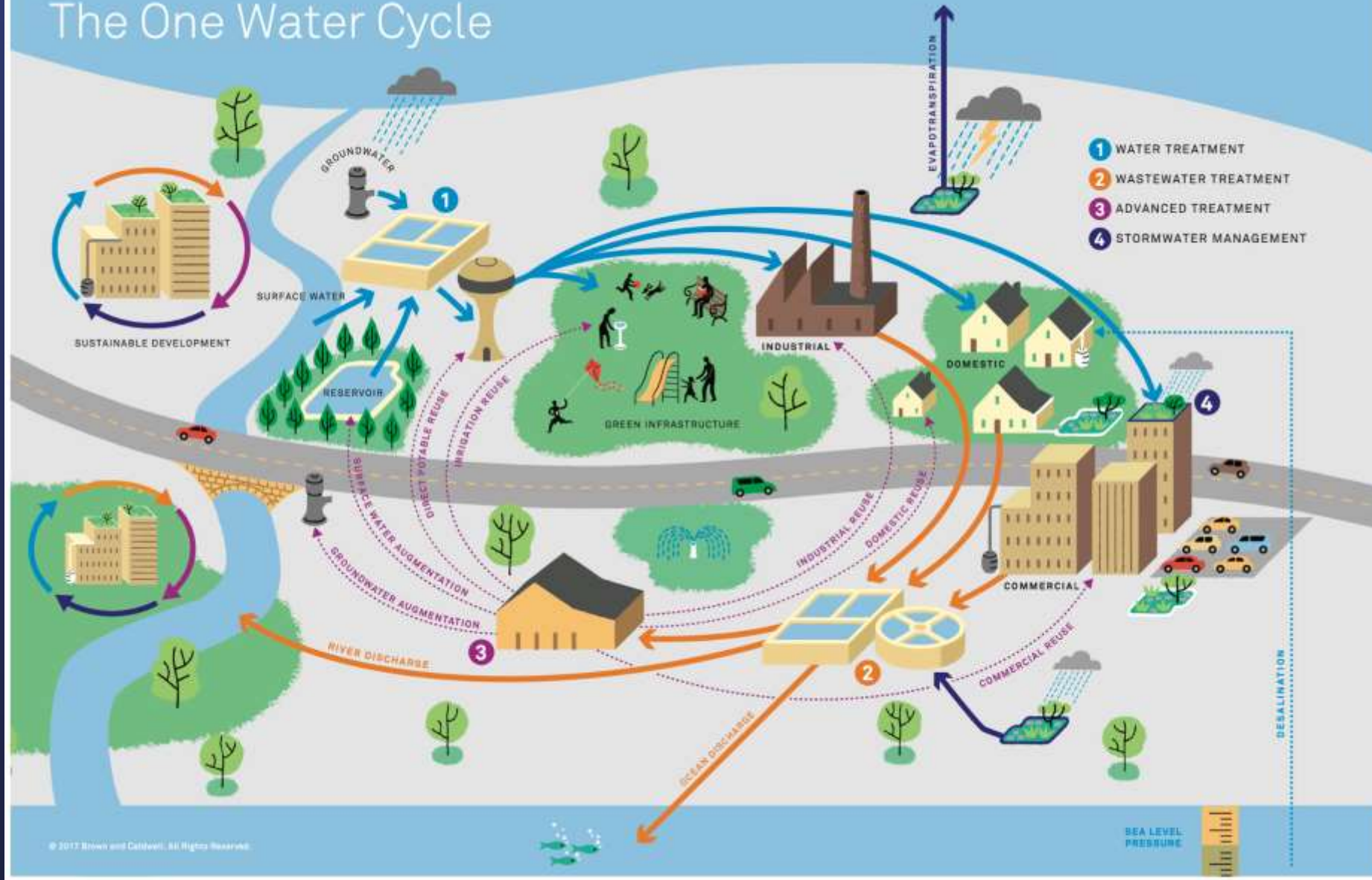


Systems Thinking Changed the Game



Stokes-Draught (2017)

The One Water Cycle





Definition



“Managing all water in an integrated, inclusive, and sustainable manner to secure a bright, prosperous future for our children, our communities, and our country.”

US Water Alliance (2016)



“An integrated planning and implementation approach to managing finite water resources for long-term resilience and reliability, meeting both community and ecosystem needs.”

Paulson et al. (2017)



Definition

The mission of the Metropolitan Water District of Southern California is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.



“An integrated planning and implementation approach to managing finite water resources for long-term resilience and reliability, **meeting both community and ecosystem needs.**”

Paulson et al. (2017)



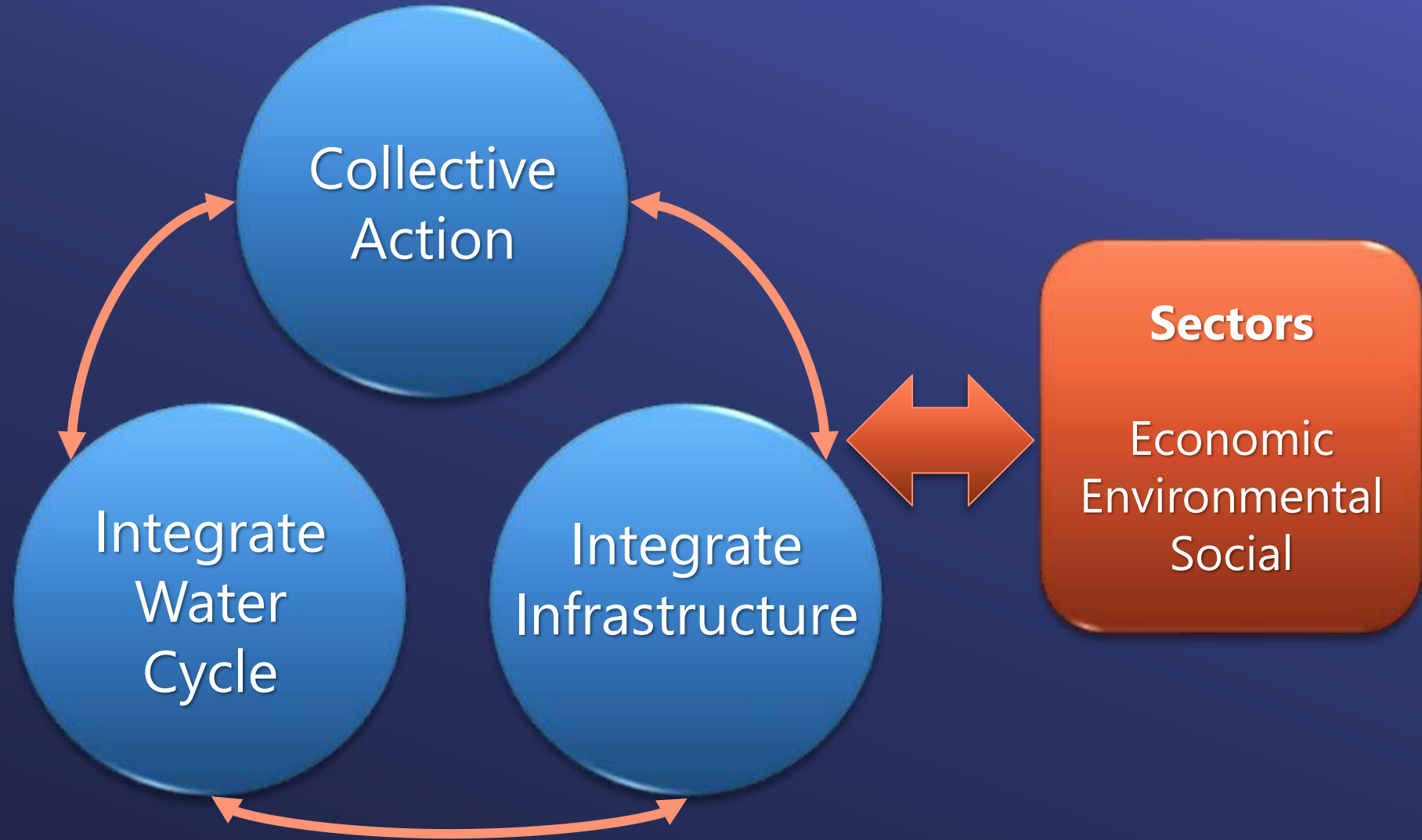
Strategic Priorities Support One Water

- **Empower**
Empower the workforce and promote diversity, equity, and inclusion
- **Sustain**
Sustain Metropolitan's mission with a strengthened business model
- **Adapt**
Adapt to changing climate & water resources
- **Protect**
Protect public health, regional economy, & Metropolitan's assets
- **Partner**
Partner with interested parties and the communities we serve





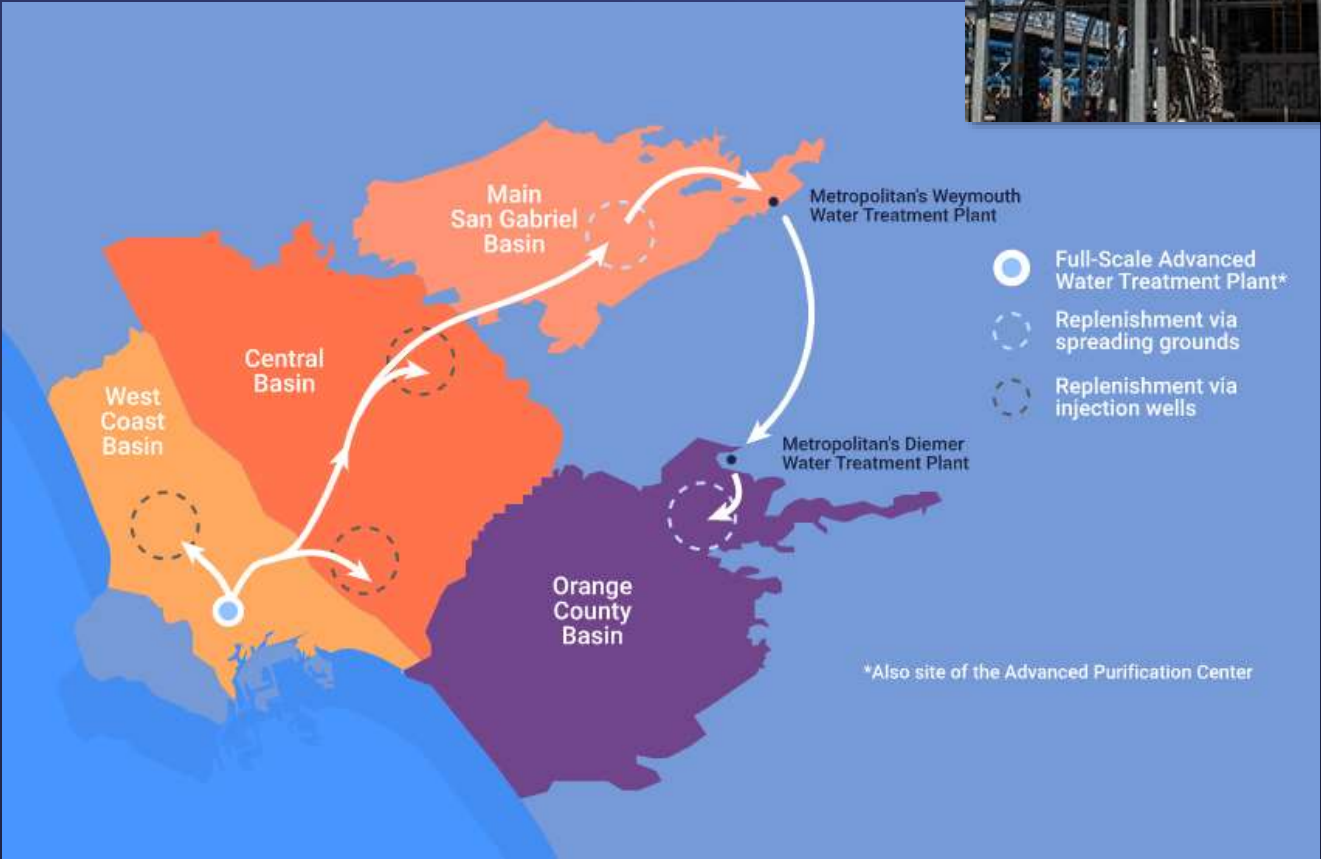
Attributes & Coordination



Grigg (2021)



Regional Recycled Water Program





Connecting Two Watersheds





Agricultural Partnerships



Voluntary fallowing



Irrigation efficiency



Flow measurement
and control



Seeking Delta Solutions



Delta Partnerships



Delta Science





Expanding Storage



Antelope Valley East Kern
Water Bank



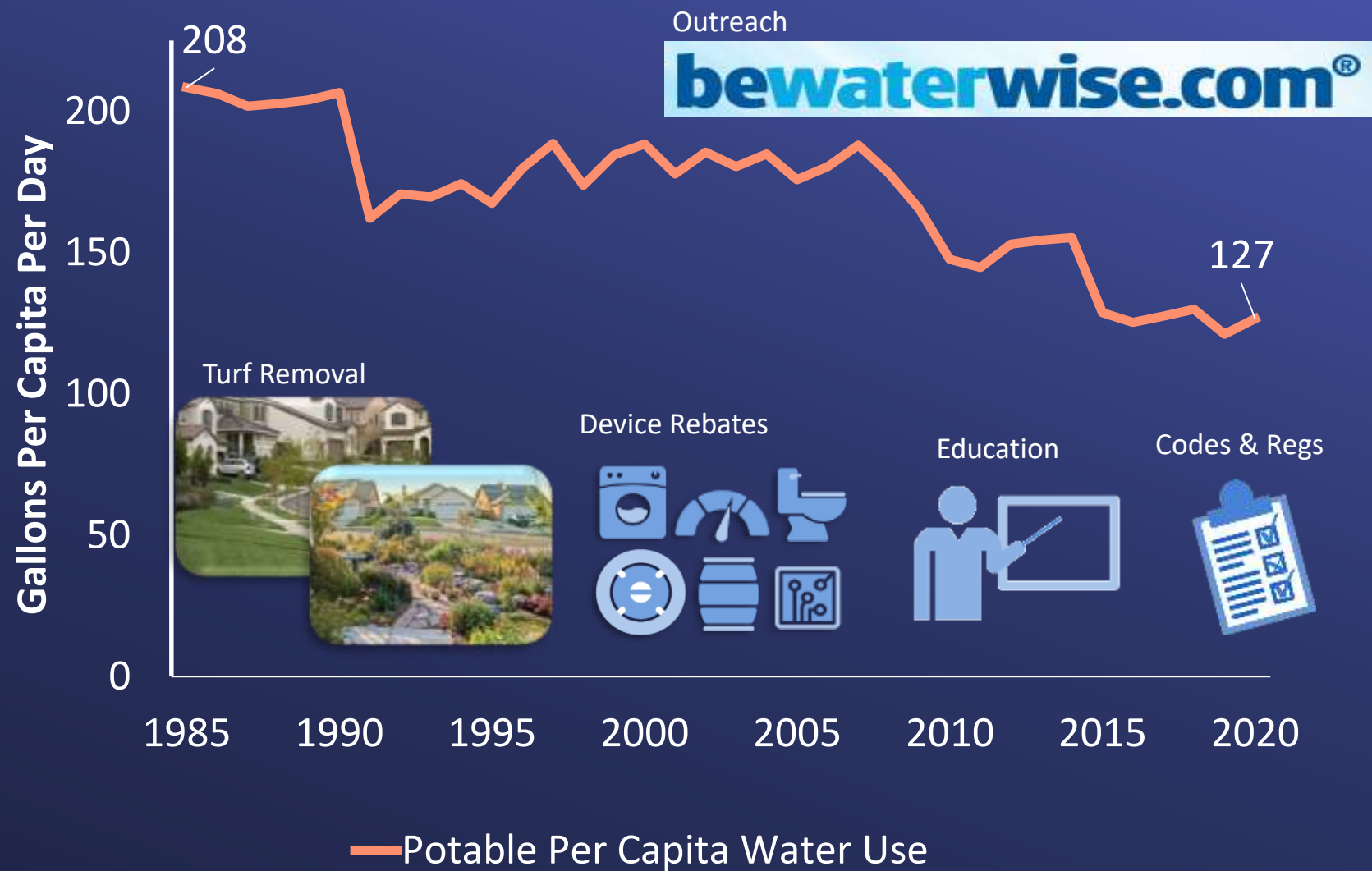


Supporting Local Projects



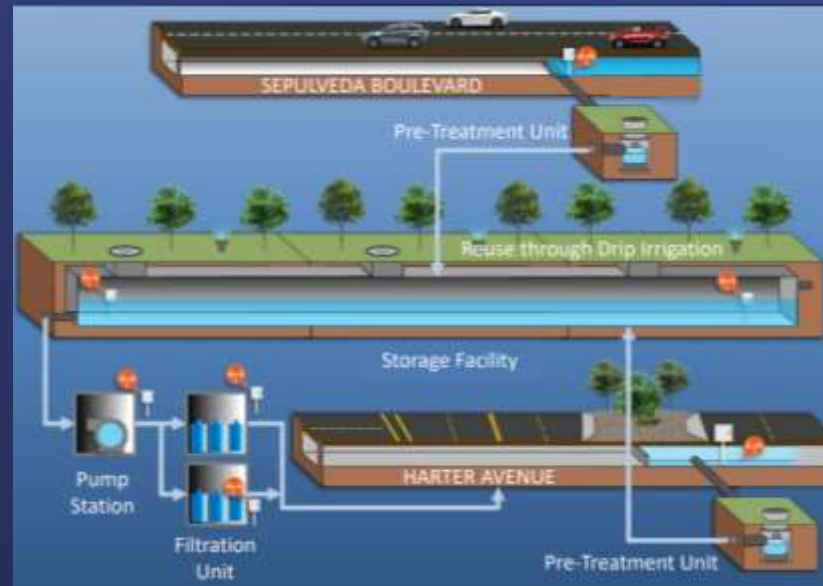


Expanding Water Efficiency





Examining Stormwater



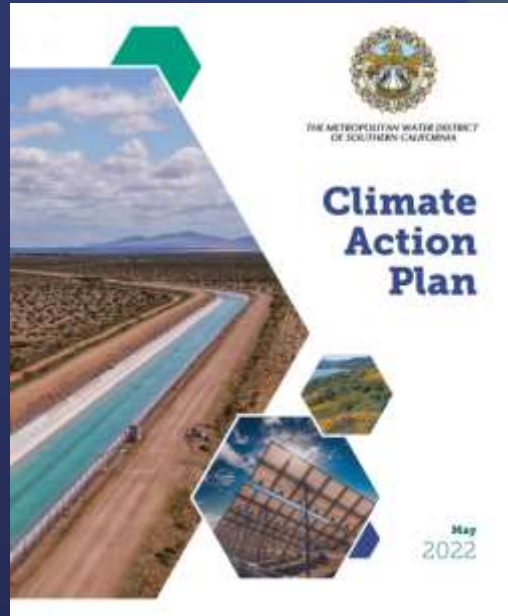
West Basin MWD (City of Culver City)



Western MWD (Victoria Recharge Basin)



Sustainability, Resiliency, & Innovation



Solar power



Carbon capture



Landscape transformation & reducing non-functional turf



One Water and Metropolitan

One Water Expands our Thinking

- Metropolitan's mission and activities overlap with One Water
- One Water expands Integrated Resource Planning
- General Manager's Strategic Priorities emphasize One Water concepts



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