

Additional Documents

June 27, 2023 NREC Meeting

ITEM 4

Adoption of NREC Work Plan for FY 23-24

Natural Resources & Environmental Commission

Fiscal Year 2023-24 Work Plan



Tasks and Activities	Lead Person(s)	Timeline	Desired Outcome
Presentation: Climate Action Plan Progress Report	Staff Liaison	July 25	Update NREC on the progress of the CAP plays/moves
Presentation: FY 23-24 Budget	Staff Liaison; Finance Dept.		Receive presentation and answer questions on City budget
Presentation: SB1383 Organics Recycling Implementation Update (CAP, SW.1)	Staff Liaison	August 22	Update NREC on the progress of SB1383 implementation
Discussion: Current Tree Ordinance Review and Discussion (Green Plan, Move IV.4.1)	Staff Liaison; PW Operations Manager		Review tree ordinance and discuss input/changes if needed
Presentation/Discussion: Building Electrification Reach Codes (CAP, E.2.e)	Staff Liaison	September 26	Receive information on reach codes in relation to the City's CAP goals
Presentation: SB1383 Organics Recycling Implementation Update (CAP, SW.1)	Staff Liaison	October 24	Update NREC on the progress of SB1383 implementation
Discussion: Second Review of Tree Ordinance (Green Plan, Move IV.4.1)	Staff Liaison; PW Operations Manager		Review tree ordinance and discuss further input/changes if needed
Discussion: Bicycle Code Updates	Staff Liaison	November 28	Discuss and summarize potential updates to the City's Bicycle Code
CANCELLED	CANCELLED	December 26	CANCELLED
Presentation: Green Action Plan Progress Report	Staff Liaison	January 23	Update NREC on the progress of the Green Action Plan plays/moves
Action: Selection of Officers	Staff Liaison		Commission will appoint Chair and Vice Chair for calendar year 2024
Action: Final Review and Recommendation to Adopt Updated Tree Ordinance (Green Plan, Move IV.4.1)	Staff Liaison; PW Operations Manager	February 27	Provide recommendation to Council on updated Tree Ordinance

Presentation: SB1383 Organics Recycling Implementation Update (CAP, SW.1)	Staff Liaison	March 26	Update NREC on the progress of SB1383 implementation
Action: Provide input on the proposed FY 24/25 Water Conservation Program (Green Plan, Goal II; CAP, W.1)	Staff Liaison		Input on proposed water conservation program
Presentation/Discussion: Climate Action Plan, Greenhouse Gas Inventory Update	Staff Liaison	April 23	Update NREC on the progress of the CAP GHG update
Discussion: Review Work Plan FY 24-25	Staff Liaison	May 28	Discuss initiatives and goals for NREC FY 24-25 Work Plan
Discussion: Review Annual Report FY 23-24	Staff Liaison		Review draft Annual Report and provide comments
Presentation/Discussion: Update City's Bicycle and Pedestrian Network Map (CAP, T.3.c)	Staff Liaison	June 25	Updated City Bicycle and Pedestrian Network Map
Action: Adopt NREC Work Plan for FY 24-25	Staff Liaison		Adopted NREC FY24-25 Work Plan
Action: Approve NREC FY 23-24 Annual Report	Staff Liaison		Approved NREC FY 23-24 Annual Report
Tree Removal Hearings	Staff Liaison	As-Needed	Approve/Deny tree removal requests

ITEM 5

Fiscal Year 23-24 Water Conservation Program



Natural Resources & Environmental Commission Agenda Report

ITEM NO. _____

DATE: June 27, 2023

FROM: Ted Gerber, Public Works Director
Arpy Kasparian, Environmental Services & Sustainability Manager

SUBJECT: **Recommendation to Approve Proposed Fiscal Year 2022-23 Water Conservation Program**

Recommendation

It is recommended that the Natural Resources and Environmental Commission recommends City Council approve the proposed Water Conservation Programs for the 2023-24 fiscal year.

Background

Since the State of California declared a drought in January 2014, the City has made a concerted effort to increase water conservation and improve water efficiency through the Water Conservation Program. When the 2014 drought state of emergency was rescinded, provisions of Executive Order B-37-16, "Making Conservation a California Way of Life," were proclaimed to remain in full force and effect. Thus, continuing the City's conservation efforts to present day. In November 2019, the South Pasadena Green Action Plan (Green Plan) was adopted with a goal to "Enhance Water Conservation Projects and Programs." The plan includes actions such as evaluating the feasibility of a greywater rebate program, promoting water conservation rebates offered by the Metropolitan Water District, and providing educational materials and expert advice on water conservation practices. The Water Conservation Program is reviewed by the Natural Resources and Environmental Commission and approved by City Council annually.

Fiscal Impact

The FY 2022-23 Budget included \$115,000 under the City's water conservation fund (Account No. 503-6010-6713-8032) which can only pay for water conservation projects. The water conservation budget for FY 2023-24 will remain the same as the previous fiscal year. The revenue for water conservation programs is collected through a water efficiency fee of \$0.14 per unit of water billed to all city water customers.

Discussion/Analysis

Annually, the City Council has adopted a water conservation program that includes rebates, education/outreach, water conservation material, and projects to promote water conservation throughout the City.

Recommendation of Fiscal Year 2023-24 Water Conservation Program

June 27, 2023

Page 2 of 4

With a total budget of \$115,000 for the water conservation program, the following table shows the budgeted allocations for each program for the current fiscal year (2022-2023). The table also includes expended funds for the MWD rebates as of May 31, 2023 and the expended funds for City rebates, water-use assessments, and water conservation promotion as of May 31, 2023. Lastly, the table includes the proposed budget allocations for Fiscal Year 2023-2024. Given the increase in expended funds compared to the previous fiscal year, staff proposes to keep the allocations the same as the previous year.

Proposed FY 2023-24 vs. Budgeted and Expended FY 2022-23 Water Conservation Rebate and Program Funding				
Water Conservation Rebate/Program	FY 2022-23 Budgeted	FY 2022-23 Expended (July 1 – May 31)	FY 2023-24 Proposed	Difference
MWD Additional Rebate Funding – Residential	\$25,000	\$23,758.43	\$25,000	-
MWD Additional Rebate Funding – Commercial	\$10,000	\$0.00	\$10,000	-
City Rebate Program - Residential	\$20,000	\$11,131.05	\$20,000	-
City Greywater Rebate Pilot Program – Residential Only	\$20,000	\$0.00	\$20,000	-
City Rebate Program - Commercial	\$10,000	\$1,200.00	\$10,000	-
Water-Use Assessments	\$5,000	\$0.00	\$5,000	-
Water Conservation Promotion	\$25,000	\$8,743.38	\$25,000	-
TOTAL:	\$115,000	\$44,832.86	\$115,000	-

The following conservation programs are proposed for Fiscal Year 2023-24:

City Co-Funded Metropolitan Water District Rebates

The Metropolitan Water District (MWD) offers residential and commercial rebates on indoor and outdoor devices as well as turf removal through their SoCalWaterSmart Program. In addition, the City adds supplemental funds to these rebates. Residents and business owners can apply for these rebates directly through the SoCalWaterSmart website and receive rebate checks that include both the MWD and City contributions. The City’s co-funding amounts were increased for the 2022-23 fiscal year. Staff recommends no changes to the co-funding

amounts for the 2023-24 fiscal year. See Tables 1 and 2 in the attachment for a complete list of MWD rebates and changes to the City co-funding amounts for Fiscal Year 2023-24.

City Rebate Program

In addition to the MWD rebates, the City has its own rebate program that offers rebates on water conservation devices and landscaping that are not offered through MWD. These City rebates address our local water conservation needs and further encourage South Pasadena residents and business owners to implement water saving practices and play an active role in conserving our water sources. Rebate amounts were increased for the 2022-23 fiscal year, the rotating sprinkler nozzle rebate was removed, and a City rebate for high efficiency dishwashers was added. In addition, the NREC recommended adding a multi-family clothes washer rebate for the 2022-23 fiscal year. However, this program was not implemented and is recommended to be included for implementation in the 2023-24 fiscal year. See Table 3 in the attachment for a complete list of changes to the City rebates for Fiscal Year 2023-24.

Greywater Pilot Program

The Fiscal Year 2022-23 Water Conservation Program included a budget for a Greywater Pilot Program in the amount of \$20,000. The preliminary program plans included workshops on greywater systems with an emphasis on Laundry to Landscape systems and a rebate for materials and design services used to install a Laundry to Landscape system in the amount of \$1,000 per household. The Greywater Pilot Program was not implemented in the 2022-23 fiscal year and is recommended to be included for implementation in the 2023-24 fiscal year.

Residential and Commercial Water-Use Assessments

The City has partnered with San Gabriel Valley Council of Governments (SGVCOG) to promote their eSGV Program (formerly known as the EASY Program), which offers free energy and water assessments for homeowners as well as renters. Assessments can be completed virtually or in person. Residents can expect to receive a report with a list of steps they can take to conserve energy and water. City staff are working with SGVCOG to promote this program in conjunction with the rebate program. Residents who participate in the program receive a City Water Conservation Kit which includes a bucket, soil moisture sensor, hose nozzle, hose timer, toilet tank bank, leak detector tablets, and various water conservation and landscaping reference materials.

Water Conservation Promotional Materials and Activities

Examples of items that can be used to promote water conservation are buckets, low-flow aerators, tree water aids, water conservation brochures/pamphlets, newsletters, and other print media. Funds can also be used for events, programs, outreach, and community classes related to water conservation education.

During the June 21, 2023 City Council meeting, City Council adopted the Fiscal year 2023-24 Budget which included the added position of a Water Conservation Analyst. With this position, programs that were not implemented in FY22-23 due to understaffing can be completed in the upcoming fiscal year. These programs include greywater workshops and rebates for materials and landscaping design services and the multi-family clothes washer program. In addition, the Water

Recommendation of Fiscal Year 2023-24 Water Conservation Program

June 27, 2023

Page 4 of 4

Conservation Analyst will assist with the implementation of water conservation initiatives as outlined in the City's Green Action Plan and Climate Action Plan.

Attachment: Proposed MWD and City Residential and Commercial Rebates FY 23-24

ATTACHMENT
Proposed FY 2023-24 Water Conservation Rebates

Water Conservation Program Rebates

Table 1 and Table 2: The tables below summarize the changes to the co-funding amounts for the FY 2022-23 MWD rebates. Staff recommends no changes for the FY 2023-24 MWD rebates.

Table 1: MWD <u>Residential</u> Rebates – FY 2022-23 and Proposed FY 2023-24			
Rebate	MWD Incentive	City's Incentive	Total Customer Incentive
High Efficiency Clothes Washer	\$85	\$165 \$415	\$250 \$500
Premium High-Efficiency Toilet (1.1 gallon per flush)	\$40	\$110 \$260	\$150 \$300
Rotating Sprinkler Nozzles	\$2	\$0	\$2
Weather Based Irrigation Controller (less than one acre)	\$80	\$100 \$170	\$180 \$250
Weather Based Irrigation Controller (one acre or more)	\$35 per station	\$15 \$65 per station	\$50 \$100 per station
Soil Moisture Sensor System (less than one acre)	\$80	\$70	\$150
Soil Moisture Sensor System (one acre or more)	\$35 per station	\$15 per station	\$50 per station
Rain Barrel	\$35	\$0	\$35
Cistern (200-500 gallons)	\$250	\$0	\$250
Cistern (501-999 gallons)	\$300	\$0	\$300
Cistern (1000+ gallons)	\$350	\$0	\$350
Flow Monitor Device (Pilot)	\$100	\$0 \$100	\$100 \$200
Turf Removal	\$2 per ft ² (up to 5,000ft ²)	\$1 \$2 per ft ² (up to 1,500ft ²)	\$3 \$4 per ft ²

Table 2: MWD <u>Commercial</u> Rebates – FY 2022-23 and Proposed FY 2023-24			
Rebate	MWD Incentive	City's Incentive	Total Customer Incentive
Plumbing Flow Control Valve	\$5	\$0 \$5	\$5 \$10
Laminar Flow Restrictors	\$10	\$0 \$10	\$10 \$20
Premium High-Efficiency Toilet (1.1 gallon per flush) - Commercial	\$40	\$110 \$260	\$150 \$300
Premium High-Efficiency Toilet (1.1 gallon per flush) - Multifamily	\$40	\$110 \$260	\$150 \$300
Zero Water Urinals	\$200	\$0 \$100	\$200 \$300
Ultra Low Water Urinal	\$200	\$0 \$100	\$200 \$300
Weather Based Irrigation Controller (one acre or more)	\$35 per station	\$15 \$65 per station	\$50 \$100 per station
Central Computer Irrigation Controller	\$35 per station	\$0 \$35	\$35 \$70 per station
Soil Moisture Sensor System (one acre or more)	\$35 per station	\$15 per station	\$50 per station
Large Rotary Nozzles	\$13 per set	\$0 \$13	\$13 \$26 per set
Rotating Sprinkler Nozzles	\$2	\$0 \$2	\$2 \$4
In-Stem Flow Regulator	\$1	\$0 \$1	\$1 \$2
pH-Cooling Tower Controller	\$1,750	\$0	\$1,750
Cooling Tower Conductivity Controller	\$625	\$0	\$625
Dry Vacuum Pump	\$125 per 0.5 HP	\$0	\$125 per 0.5 HP
Connectionless Food Steamers	\$485 per compartment	\$0 \$485	\$485 \$970 per compartment
Ice-Making Machines	\$1,000	\$0 \$1,000	\$1,000 \$2,000
Turf Removal	\$2 per ft ² (up to 50,000ft ²)	\$0.50 \$2 per ft ² (up to 1,500ft ²)	\$2.50 \$4 per ft ²

Table 3: The table below summarizes the current FY 2022-23 City Rebate Program. Staff recommends no changes for the FY 2023-24 City Rebate Program.

Table 3: City Rebate Program		
Commercial and Residential Rebate	Rebate Amount (FY 2021-22)	Rebate Amount (FY 2022-23 and Proposed FY 2023-24)
Water Efficient (Drought Tolerant) Plants	\$600	\$1,200
Native Trees (10 trees maximum)	\$50 per tree	\$100 per tree
Drip Irrigation Conversion	\$150	\$300
Rotating Sprinkler Nozzles (10-29 nozzles)	\$2 per nozzle	-
High Efficiency Dishwashers	-	\$500
Multi-family High Efficiency Clothes Washer	-	\$500
Greywater Laundry to Landscape Conversion	-	\$1,000

Fiscal Year 2023-24 Proposed Water Conservation Program

June 27, 2023

Natural Resources & Environmental Commission
Arpy Kasparian
Environmental Services & Sustainability Manager



Water Conservation Program Overview

- Annual program includes:
 - 1) Metropolitan Water District (MWD) Additional Rebate Funding
 - 2) City Rebate Program
 - 3) Water-Use Assessments
 - 4) Water Conservation Promotion
- Funded through Water Efficiency Fee = \$0.14 per unit of water billed to all water customers
- The program helped the City reduce its water use by 15-22% on average per year compared to 2013 levels

Metropolitan Water District Rebates

- MWD offers water conservation rebates through their SoCalWaterSmart Program
- The City adds supplemental funds to these rebates
 - Example: Premium High Efficiency Toilets (1.1gpf)
 - \$ 40 ← MWD rebate
 - \$110 ← City supplemental funds
 - \$150 ← Potential rebate amount for South Pasadena residents/businesses.
- Apply for MWD rebates directly through the SoCalWaterSmart website: www.socalwatersmart.com

Metropolitan Water District Rebates Highlights & Changes for FY 22-23

Rebate	Sector	MWD Incentive	City's Incentive	Total Customer Incentive
High Efficiency Clothes Washer	Residential	\$85	\$165 \$415	\$250 \$500
Premium High-Efficiency Toilet (1.1 gallon per flush)	Residential and Commercial	\$40	\$410 \$260	\$450 \$300
Zero Water Urinals	Commercial	\$200	\$0 \$100	\$200 \$300
Weather Based Irrigation Controller (less than one acre)	Residential	\$80	\$400 \$170	\$480 \$250
Weather Based Irrigation Controller (one acre or more)	Residential and Commercial	\$35 per station	\$15 \$65 per station	\$50 \$100 per station
Connectionless Food Steamers	Commercial	\$485	\$0 \$485	\$485 \$970 per compartment
Turf Removal	Residential	\$2 per ft ² (up to 5,000ft ²)	\$4 \$2 per ft ² (up to 1,500ft ²)	\$3 \$4 per ft ²
Turf Removal	Commercial	\$2 per ft ² (up to 50,000ft ²)	\$0.50 \$2 per ft ² (up to 1,500ft ²)	\$2.50 \$4 per ft ²

City Rebates

Water conservation rebates that are not offered by MWD

Applications, requirements, and details will be available on www.southpasadenaca.gov/rebates

Rebate	Sector	Rebate Amount (FY 2021-22)	Rebate Amount (FY 2022-23)
Water Efficient (Drought Tolerant) Plants	Residential and Commercial	Up to \$600	Up to \$1,200
Native Trees (10 trees maximum)	Residential and Commercial	\$50 per tree	\$100 per tree
Drip Irrigation Conversion	Residential and Commercial	Up to \$150	Up to \$300
Rotating Sprinkler Nozzles (10-29 nozzles)	Residential and Commercial	\$2 per nozzle	removed
High Efficiency Dishwashers	Commercial and Residential	-	Up to \$500
High Efficiency Clothes Washer	Multifamily	-	Up to \$500
Greywater Laundry to Landscape Conversion	Residential and Commercial	-	Up to \$300

Outreach Efforts

- Increased outreach efforts for Stage 2 Drought & Rebates
 - Updated door hangers/ increased enforcement efforts
 - Updated water bill
 - Mailed out flyers to all water account holders
 - Chamber of Commerce Presentation
- Social Media Campaign #WaterWednesdays
- Workshops & City Events
 - Upper District's WaterFest (Fall)
 - City Open House (Fall)
 - LA County Smart Gardening Workshops (Fall & Winter)
 - Compost & Mulch Giveaway (Fall & Spring)
 - Farmer's Market Tabling

Water Conservation Promotion

- **Water Conservation Kits:**
 1. Low-flow aerators
 2. Hose nozzles
 3. Hose timers
 4. Toilet tank banks
 5. Leak detector tablets
 6. Moisture sensors
 7. Buckets!
- **Outreach materials:** Sustainable South Pasadena Newsletter, City Hall Scoop, social media, etc.
- **Community Events:** Farmers' Market, special events, programs, workshops, etc.

City of SOUTH PASADENA

Metropolitan Water District Rebates FY 22-23 (July '22–May '23)

Rebate	Quantity	MWD Incentive	City's Incentive	Total City Co-fund
High Efficiency Clothes Washer	35	\$85	\$415	\$11,860
Premium High-Efficiency Toilet	0	\$40	\$260	\$0
Zero Water Urinals	0	\$200	\$100	\$0
Weather Based Irrigation Controller	10	\$80	\$170	\$380
Rain Barrel	3	\$35	\$0	\$0
Connectionless Food Steamers	0	\$485	\$485	\$0
Turf Removal (Residential)	5,759 acres	\$2 per ft ²	\$2 per ft ²	\$11,518
Turf Removal (Commercial)	0	\$2 per ft ²	\$2 per ft ²	\$0
TOTAL:				\$23,758

City Rebates FY 22-23 (July '22–May '23)

Rebate	Quantity	Rebate Amount	Total Rebate Amount
Water Efficient (Drought Tolerant) Plants	9	Up to \$1,200	\$6,061.10
Native Trees (10 trees maximum)	2	\$100 per tree	\$469.96
Drip Irrigation Conversion	6	Up to \$300	\$1,800.00
High Efficiency Dishwashers	8	Up to \$500	\$3,999.99
High Efficiency Clothes Washer	Not implemented	Up to \$500	-
Greywater Laundry to Landscape Conversion	Not implemented	Up to \$1000	-
TOTAL:			\$12,331.05

Water Conservation Budget Summary FY22-23 (July 1 – May 31)

Water Conservation Rebate/Program	FY 2022-23 Budgeted	FY 2022-23 Expended (July 1 – May 31)	Remaining Budget
MWD Additional Rebate Funding - Residential	\$25,000	\$23,758.43	\$1,241.57 + \$35,000**
MWD Additional Rebate Funding - Commercial	\$10,000	\$0.00	\$10,000
City Rebate Program – Residential	\$20,000	\$11,131.05	\$8,868.95
City Greywater Rebate Pilot Program - Residential Only	\$20,000	-	\$20,000
City Rebate Program – Commercial	\$10,000	\$1,200.00	\$8,800
Water-Use Assessments	\$5,000	\$0.00	\$5,000
Water Conservation Promotion	\$25,000	\$8,743.38	\$16,256.62
TOTAL:	\$115,000	\$44,832.86	\$70,167.14



For more information

- City Website: www.southpasadenaca.gov/waterconservation
- www.southpasadenaca.gov/rebates
- MWD Website: socalwatersmart.com
- Sustainability Office: (626) 403-7253
- Email: WaterConservation@southpasadenaca.gov

Thank You