In November 2018, voters passed Measure W, which led to the creation of the Safe, Clean Water (SCW) Program. This visionary initiative aims to increase Los Angeles County’s local water supply, improve water quality, and enhance communities through strategic investments in multi-benefit stormwater capture projects and programs. The SCW Regional Program nine Watershed Area Steering Committees (WASCs) annually develop Stormwater Investment Plan (SIPs), which are five (5) year plans that recommend funding allocations for projects, project concepts, and scientific studies (Projects and Studies) in the Infrastructure, Technical Resources, and Scientific Studies Programs, respectively. The SCW Program Watershed Area Regional Program Progress (WARPP) Report is an annual progress report of each Watershed Area’s funded Projects and Studies. This WARPP Report describes the progress of Projects and Studies funded Fiscal Years 2020-2021 (FY20-21) and 2021-2022 (FY21-22), which are the first 2 years of the SCW Program. Refer to section 2 of this report for a summary of the Regional Program process.

The purpose of the WARPP Report is to summarize how the implementation of previous Upper Los Angeles River SIPs (FY20-21 and FY21-22) has led to the achievement of SCW Program Goals. The SCW Program is in its early years and most of the funded Projects have not completed construction to realize anticipated benefits. Instead, this WARPP Report will focus on anticipated benefits proposed by funded Projects and Studies. Note Project and Studies in the FY22-23 SIP and recommended FY23-24 SIP are in progress and progress reports have not been completed or reviewed by the WASCs. Expenditures, metrics, and progress for Projects and Studies in the FY22-23 SIP and recommended FY23-24 SIP will be reported in the Regional Program Annual Report of progress, due December 31, 2023, and December 31, 2024, respectively, and will be summarized in subsequent WARPP Report after submitted Annual Reports become available. Refer to Section 2 for Regional Program reporting timeline. For more details on Project and Study benefits, metrics, expenditures, and progress, please refer to the following links:

- **SIP Board Letters:** [https://safecleanwaterla.org/resources/documents-board-actions/](https://safecleanwaterla.org/resources/documents-board-actions/)
- **SIP Programming Tool:** [https://portal.safecleanwaterla.org/sip-tool/](https://portal.safecleanwaterla.org/sip-tool/)
- **Quarterly and Annual Reports:** [https://portal.safecleanwaterla.org/scw-reporting/dashboard](https://portal.safecleanwaterla.org/scw-reporting/dashboard)
The following sections include details regarding the WARPP Report:

Contents
1  Summary of Funded Projects and Studies ................................................................. 2
2  Regional Program Process .................................................................................................. 4
3  Achievement of Safe, Clean Water Program Goals ............................................................. 5
4  Adaptive Management ......................................................................................................... 12

1  Summary of Funded Projects and Studies
The Santa Clara River (SCR) Watershed Area receives approximately $5.9M in annual Regional Program funds. To date, the SCW Program has collected $17,404,567.15 and is projected to collect nearly $41M through FY26-27 for the SCR Watershed Area.

For FY20-21, 2 Infrastructure Program Projects, 0 Technical Resources Program Project concepts, and 0 Scientific Studies were approved in the SIP. For FY21-22, 0 Infrastructure Program Projects, 1 Technical Resources Program Project concept, and 0 Scientific Studies were approved in the SIP. For FY22-23, 1 Infrastructure Program Project, 1 Technical Resources Program Project concept, and 1 Scientific Study were approved in the SIP. Below is a summary of the total funding allocated by program and year.
The suite of 3 funded Infrastructure Program Projects represents over $21M invested through FY27-28 and has the following anticipated benefits:

- 1,459 acres of area managed through stormwater capture best management practices.
- $18M investment in projects benefiting Disadvantaged Communities (DAC).
- 24 acre-feet of increased water quality treatment capacity for stormwater runoff.
- 340 acre-feet of increased local water supply annually on average.
- $5M in leveraging other funding sources to complete the projects.
- Reduction of numerous pollutants in waterways and the prioritization of projects that contribute to Municipal Separate Storm Sewer System (MS4) Permit compliance for stormwater discharges and water quality.

For FY23-24, 1 Infrastructure Program Project, 0 Technical Resources Program Project concepts, and 0 Scientific Study were recommended in the SIP. The SIP is scheduled to be on the Los Angeles County Board of Supervisors (Board of Supervisors) Agenda for final approval on August 8, 2023. For more details and projected benefits, refer to the links on page 1.
2 Regional Program Process

This section summarizes the process of how projects, project concepts and scientific studies are selected into a SIP and reporting requirements in the SCW Program Regional Program.

1. Applicants may apply during each Call for Projects (August 1 – July 31 the following year): https://safecleanwaterla.org/call-for-projects/

2. The Scoring Committee, one of three types of SCW Program governance committees, reviews and scores Infrastructure Program project applications, including the required Feasibility Study: https://safecleanwaterla.org/scoring-committee/. Applicants who submit complete applications are invited to present their projects, concepts, or studies to the appropriate WASC (SCR), followed by a questions and answers period. WASCs deliberate on which projects, concepts, and/or scientific studies to include in a recommended SIP. See the SCR WASC webpage for meeting information: https://safecleanwaterla.org/upper-los-angeles-river-watershed-area/

3. The Regional Oversight Committee (ROC) reviews the WASC’s recommended SIP and provides recommendations to the Board of Supervisors. See ROC webpage for meetings information: https://safecleanwaterla.org/regional-oversight-committee/

4. Board of Supervisors reviews SIPS and recommendations from the ROC and has the authority to approve the recommended SIPS. See webpage for Board actions related to the SCW Program: https://safecleanwaterla.org/resources/documents-board-actions/

5. Fund Transfer Agreement is executed and SCW funds are disbursed to project developers. See Regional Program Funding Process Handbook for more information:
6. Project developers of newly funded projects and studies start reporting in Fiscal Year Quarter 3 (January to March), the following year after SIP approval, and continue reporting on a quarterly and annual basis until the funded activity is complete. See below for more information:
   - SCW Dashboard: https://portal.safecleanwaterla.org/scw-reporting/dashboard
   - Reporting and audit requirements: https://safecleanwaterla.org/reporting-and-audits/

7. **Applicable only to project concepts being developed through the Technical Resource Program:** Technical Assistance Teams are formed to develop Feasibility Studies on behalf of an applicant (project lead). Once Feasibility Studies are completed, the project lead may apply to the Infrastructure Program for funding during a future Call for Projects. Refer to steps 1 to 6 above in this section.

3. **Achievement of Safe, Clean Water Program Goals**

Los Angeles County Flood Control District (LACFCD) Code Chapter 18.04 (Ch18.04) identifies the 14 goals of the SCW Program. The following sections summarize how the SIPs support progress towards these goals.
3.1 Infrastructure Program

3.1.1 Projects Statuses & Phases
Below is a summary of statuses for the suite of 2 funded Infrastructure Program Projects for FY20-21 and FY21-22:

- 2 projects are in planning or design phase

3.1.2 Funding and Expenditures
Below is a summary of expenditures for the funded suite of 2 Infrastructure Program Projects for FY20-21 and FY21-22 SIPs:

<table>
<thead>
<tr>
<th>Funding Year</th>
<th>Total SCW Funds Awarded up to 12/31/2022</th>
<th>Total SCW Expenditures up to 12/31/2022</th>
<th>Total Cost Share Expenditures up to 12/31/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY20-21</td>
<td>$4,688,603.00</td>
<td>$0.00</td>
<td>$334,082.89</td>
</tr>
<tr>
<td>FY21-22</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Grand Total</td>
<td>$4,688,603.00</td>
<td>$0.00</td>
<td>$334,082.89</td>
</tr>
</tbody>
</table>

Refer to the SCR Watershed Area quarterly reports on the SCW Dashboard & SIP transmittals for additional details.

3.1.3 Projects Benefits
The Scoring Committee evaluated the purported benefits of each eligible project using the Project Scoring Criteria in the Feasibility Study Guidelines, which includes the following benefit categories: Water Quality, Water Supply, Community Investment, Nature-Based Solutions, and Leveraging Funds and Community Support. The web plot below shows the overall scoring category distribution of the 2 Infrastructure Program Projects included in the FY20-21 and FY21-22 SIPs. The web plot graphically demonstrates that projects, collectively, scored the highest in the Water Quality and Nature Based Solutions benefit categories.
Compliant with LACFCD Code Ch18.04.E, the tables and “raindrop” graphics below summarize the information collected in the online projects module and project applications for the funded Infrastructure Program (IP) Projects. The numbers in the raindrops represent the number of IP Projects providing the listed benefit.

Below is a summary of the estimated proposed aggregate benefits to date.

<table>
<thead>
<tr>
<th>Area Managed by Projects (acres)</th>
<th>1,309</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Storage Capacity (acre-feet)</td>
<td>21</td>
</tr>
<tr>
<td>Annual Average Stormwater Capture (acre-feet)</td>
<td>317</td>
</tr>
<tr>
<td>Dry Weather Inflow to Projects (cubic feet per sec)</td>
<td>0</td>
</tr>
<tr>
<td>Impervious Area Removed (acres)</td>
<td>0</td>
</tr>
</tbody>
</table>

### 3.1.3.1 Water Quality

Compliant with LACFCD Code Ch18.04.A, below is a summary of the number of FY20-21 and FY21-22 IP Projects that achieve SCW Program Goals for Water Quality.

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Number of IP Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet</td>
<td>2</td>
</tr>
<tr>
<td>Biofiltration</td>
<td>0</td>
</tr>
<tr>
<td>Infiltration Facility</td>
<td>2</td>
</tr>
<tr>
<td>Treatment Facility</td>
<td>0</td>
</tr>
<tr>
<td>Infiltration Well</td>
<td>0</td>
</tr>
<tr>
<td>Cistern</td>
<td>0</td>
</tr>
</tbody>
</table>
### BMP Type

<table>
<thead>
<tr>
<th>BMP Type</th>
<th>Number of IP Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry</td>
<td>0</td>
</tr>
<tr>
<td>Biofiltration</td>
<td>0</td>
</tr>
<tr>
<td>Infiltration Facility</td>
<td>0</td>
</tr>
<tr>
<td>Treatment Facility</td>
<td>0</td>
</tr>
<tr>
<td>Infiltration Well</td>
<td>0</td>
</tr>
<tr>
<td>Cistern</td>
<td>0</td>
</tr>
</tbody>
</table>

*Note Primary Pollutant Addressed does not apply to Dry Weather Projects. Therefore, Dry Weather Projects, Copper, Lead, Toxics, Phosphorus, and Chlorides are included in the “other” category.*

#### 3.1.3.2 Water Supply

Compliant with LACFCD Code Ch18.04., below is a summary of the number of FY20-21 and FY21-22 IP Projects that achieve SCW Program Goals for Water Supply.

![Water Supply Diagram](image)

#### 3.1.3.3 Community Benefits

Compliant with LACFCD Code Ch18.04.C, below is a summary of the number of FY20-21 and FY21-22 IP Projects that achieve SCW Program Goals for Community Benefits.

![Community Benefits Diagram](image)
3.1.3.4 Disadvantaged Communities (DAC) Benefits

Compliant with LACFCD Code Ch18.04.J and Ch18.07.B.2.c, based on the total Infrastructure Program funding allocations for the SIP and the ratio of the DAC population to the total population in each Watershed Area, funding for Projects that provide DAC benefits over the 5-year SIP shall not be less than the value shown below. Below is an overview of Funding Allocated for DACs from FY21-26, including projects from FY20-21 and FY21-22 SIPs.

Note: The total and DAC populations were based on the 2016 US Census and will be updated periodically.

* These figures are based on the 2016 US Census and will be updated periodically.
Total Number of IP Projects benefitting DAC | Projected SCW Funding benefitting DACs FY20-26 | Total SCW Funds benefitting DAC Awarded to Date | Total SCW Expenditures Benefitting DAC to 12/31/2022
---|---|---|---
1 | 86.2% | 38.4% | 0.0%

3.1.3.5 Nature-Based Solutions
Compliant with LACFCD Code Ch18.04.F and Ch18.07.B.2.f, below is a summary of the number of FY20-21 and FY21-22 IP Projects that implement Nature-Based Solutions.

3.1.4 Other Benefits
Benefits to Municipalities: Compliant with LACFCD Code Ch18.04.K, the current number of FY20-21 and FY21-22 IP Projects located in the Municipalities within the ULAR Watershed Area is shown in the below table.

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Number of IP Projects located within Municipality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Clarita</td>
<td>1</td>
</tr>
<tr>
<td>Unincorporated</td>
<td>1</td>
</tr>
</tbody>
</table>

3.2 Scientific Studies
Compliant with LACFCD Code Ch18.04.I and Ch18.07.E, the Scientific Studies Program is part of the SCW Regional Program and provides funding for activities such as scientific studies, technical studies, monitoring, and modeling. However, for FY20-21 and FY21-22, the WASC did not fund any Scientific Studies.
3.3 Technical Resources Program

Compliant with LACFCD Code Ch18.07.D, the purpose of the Technical Resources Program (TRP) is to provide technical resources to project leads such as community groups, municipalities, and individuals for the development of Feasibility Studies through support from Technical Assistance Teams (TAT) and coordinators providing technical assistance, outreach and education.

Below is a summary of Project concepts included in the FY20-21 and FY21-22 SIPs.

<table>
<thead>
<tr>
<th>Funding Years</th>
<th>SCW Funds Awarded to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY20-22</td>
<td>$300,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Status of TRP</th>
<th>Number of TRP project concepts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete</td>
<td>1</td>
</tr>
<tr>
<td>In Progress</td>
<td>0</td>
</tr>
<tr>
<td>Submitted to IP</td>
<td>1</td>
</tr>
<tr>
<td>Funded as IP</td>
<td>0</td>
</tr>
</tbody>
</table>

From the above, “Completed” refers to TRPs concepts that were funded and developed, by a TAT, into a completed Feasibility Study; “In Progress” denotes that a Feasibility Study is currently being developed by a TAT; “Submitted to IP” refers to completed Feasibility Studies that were submitted for IP funding consideration; and “Funded as IP” refers to projects that successfully went through the TRP Feasibility Study development process and were awarded IP funding.

3.3.1 Watershed Coordinator

The Technical Resources Program provides Watershed Coordinators to educate and build capacity in communities and to facilitate community and stakeholder engagement with the SCW Program. The WASC funds 1 Watershed Coordinator (TreePeople). The Watershed Coordinator began work in May 2021. To date, they’ve hosted 19 education events and 193 engagement events across the watershed area and have directly reached over 6,265 people.

Watershed Coordinator progress presentations and reports may be reviewed on the SCR WASC webpage (https://safecleanwaterla.org/santa-clara-river-watershed-area/). The most recent updated Strategic Outreach and Engagement Plan for 2022-2023 may be viewed online. The Watershed Coordinator Annual Report for Contract Year 2 can be viewed online.

Highlights
“The community of Acton in the southeast corner of the area has dealt with chronic flooding for decades, which has become increasingly worse over time due to gradual development and a changing climate. Every rain event puts sediment flows into the streets and ultimately into the Santa Clara River, and does little to recharge the local aquifer to support water supply. The County has been working on the issue for nearly 30 years but with limited success for a variety of good reasons. Local residents are understandably frustrated, but they only have volunteers through the Town Council to try and get the issue resolved.

We worked with the WaterTalks program to identify this area as a priority. Over the past several months, they have brought engineers, designers, and facilitators in to explore alternative approaches to managing the situation. Both the Acton Town Council and LA County Public Works have been involved throughout to help shape a suite of multi-benefit solutions. A final Report of Recommendations will be given to LA County and the Town Council later this year.”

-Watershed Coordinator Amanda Begley (TreePeople)

Below is a summary of Watershed Coordinator expenditures in the FY20-21 and FY21-22 SIPs.

<table>
<thead>
<tr>
<th>Funding Years</th>
<th>SCW Funds Awarded to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY20-22</td>
<td>$400,000</td>
</tr>
</tbody>
</table>

4 Adaptive Management

The SCW Program will continue to evolve as it adapts to the needs of the communities it serves to effectively advance the Regional Program while refining guidance, processes, and tools that will further maximize SCW Program Goals, demonstrate/report on SCW Program Goals and metrics, and facilitating enhanced long-term planning. The Regional Program investments to date address the urgent and growing needs in our communities and in our region. More than ever, investments in creative and innovative solutions are now being made for a resilient future. Overall, the SCW Program Goals are being achieved, and the Program is implementing a variety of multi-benefit infrastructure projects that improve water quality, increase local water supply, enhance communities, and improve public health.

4.1 Adaptive Management to Date

To ensure adaptive management, the WASC shall review quarterly progress and expenditure reports and the annual summary reports to evaluate whether the schedules, budgets, scopes and expected benefits have significantly changed and remain consistent with the SCW Program Goals. Programs and Projects that are over budget or behind schedule, or that demonstrate reduced or revised scope of benefits, may be adjusted or removed from future SIPs.

As part of the ongoing adaptive management of the SCW Program, the District has refined processes, tools and has developed iterative guidance materials including, but not limited to, the items listed below.
Please refer to the Project Portal (https://portal.safecleanwaterla.org/scw-reporting/map), Regional Program webpage (https://safecleanwaterla.org/regional-program-2/), and the WASC webpage on the Safe, Clean Water website (www.safecleanwaterla.org) for details.

- Guidelines for public participation and public comments during Governance Committee in-person or virtual meetings (https://safecleanwaterla.org/video-conference-guidelines/)
- Guidance for project applicants, including but not limited to, project applications, factsheets, and information sessions
  - Call for Projects Information Sessions (https://safecleanwaterla.org/call-for-projects/)
- Reporting Module for Project Developers to submit progress reports (https://portal.safecleanwaterla.org/reporting/)
- Safe Clean Water Spatial Data Library (https://stantec.maps.arcgis.com/apps/webappviewer/index.html?id=35df45808fe6470a8eff1075967c2156)
  - WASCs utilize the SCW GIS Maps to help assess multi-benefit projects across the watershed area to aid in development of SIPs
- SIP Programming Tool (https://portal.safecleanwaterla.org/sip-tool/)
- Preliminary Committee Member rankings of projects for discussion purposes, as applicable
- Anticipated future SCW applications/funding request for construction costs from projects being awarded design SCW funds
- Program Guidance (https://safecleanwaterla.org/2022-interim-guidance/)
  - Programming of Nature-Based Solutions
  - Implementing Disadvantaged Community Policies in the Regional Program
  - Strengthening Community Engagement and Support
  - Water Supply
    - Alternate Water Supply Scoring Pilot for FY24-25 Call for Projects
- Partial Funding Guidelines

4.2 Ongoing and Future Adaptive Management
Compliant with LACFCD Code Ch18.04.L. The progress reports and audits submitted by project developers provides meaningful insight on the extent projects and studies are achieving SCW Program Goals (https://safecleanwaterla.org/reporting-and-audits/). To ensure adaptive management, the WASC shall review the Infrastructure Program Project Developers’ quarterly progress and expenditure reports and the annual summary reports to evaluate whether the schedules, budgets, scopes and expected benefits
have significantly changed and remain consistent with the SCW Program Goals. Programs and Projects that are over budget or behind schedule, or that demonstrate reduced or revised scope of benefits, may be adjusted or removed from future SIPS. The Benefits Dashboard and the Reporting modules that track project benefits, metrics, expenditures, and progress reports are available via the SCW Portal (https://portal.safecleanwaterla.org/scw-reporting/map). As the early suite of SCW Program funded projects complete their funded activity or complete construction, project developers will report on post-performance of completed Infrastructure Projects. The post-performance report information will help inform future improvements to the Regional Program process and requirements to better achieve SCW Program Goals.

The District’s in-progress Metrics and Monitoring Study (MMS) is intended to help inform future SIP development through the support of both early/coordinated planning as well as more meaningful tracking/monitoring of projects and benefits. The MMS will use a robust stakeholder and consensus-based approach to assess and develop metrics that can be used across the SCW Program to support Program Goals. Additionally, the District commissioned a white paper as part of the Metrics and Monitoring Study (MMS) by UCLA and Stantec (Equity in Stormwater Investments: Measuring Community Engagement and Disadvantaged Community Benefits for Equitable Impact in the Safe Clean Water Program) which is published on the UCLA Luskin Center website: https://innovation.luskin.ucla.edu/wp-content/uploads/2022/08/Equity-in-Stormwater-Investments.pdf.

The first biennial SCW Program Progress Report will be completed at the end of 2023. The biennial report summarizes the progress for the Regional Program, Municipal Program, and District Program and makes findings regarding the extent SCW Program Goals have been met. The District will assist with preparing the biennial report on behalf of the Regional Oversight Committee (ROC). The ROC will hold noticed public meetings to obtain feedback from the public and recommend actions and adjustments to the SCW Program to better achieve Program Goals. Below are anticipated ROC meetings dates for the biennial SCW Program Progress Report:

• August 31, 2023 – Review outline for report
• October 5, 2023 – Release biennial report draft and initiate 30-day public comment period
• December 7, 2023 – Revised biennial report

Visit ROC webpage for meeting details: https://safecleanwaterla.org/regional-oversight-committee/

These results, along with other efforts and regional plans related to identifying needs, priorities, and lessons learned, will continue to be grafted into the Regional Program process as able such as improvements to project application process, scoring criteria, and reporting.