SCWP Round 5 IP Projects Funding Memos

Funding Memos are provided to the WASC to make informed decisions when determining funding priorities, particularly with partial funding, during SIP deliberations.

Memos are also shared with Proponents after they are deemed eligible by the Scoring Committee

Funding Memo components:

- Overview of Project Summary & Benefits
  - As stated by Proponent in SCWP Project Application
- Overview of Funding Need
  - FY24-25 Request, Total SCWP funding awarded to date, Total cost-share
- Funding Opportunities
  - Identify 2-3 potential opportunities with ranked competitiveness assessment

FUNDING MEMO

To:	Lower San Gabriel River Watershed Area Steering Committee	From:	Safe, Clean Water Program Regional Coordination Team
Project:	Sorensen Park Multi-Benefit Stormwater Capture Project	Date:	November 27, 2023
Project Lead:	Los Angeles County Public Works	Call for Projects Year:	Round 5 - FY24-25
Watershed Area:	Lower San Gabriel River	Project Location:	11419 Rose Hedge Drive Whittier, CA 90606

Reference: Leverage Funding Memo for Sorensen Park Multi-Benefit Stormwater Capture Project

Leveraged funding is a key program goal in the Safe, Clean Water Program Implementation Ordinance (Chapter 18.04). This and other Funding Memos are generated for all eligible newly submitted Safe, Clean Water Program Infrastructure Program projects in Round 5 FY24-25. The intent of this funding memo is to strengthen the identification of leverage funding sources and support WASCs in funding priorities and partial funding decisions. Below is a summary of the project benefits, overview of the funding request, potential sources of leverage funding for this project, and an assessment of funding competitiveness in those programs.

PROJECT SUMMARY

The Project Application describes the proposed project in this way:

> The Project will divert stormwater runoff and dry-weather flow from nearby storm drains to an underground stormwater capture facility at Sorensen Park to be pre-treated and infiltrated.

PROJECT BENEFITS

The Project Application describes the following benefits will be provided by the project:

- Water Quality: The Project's primary objective is to divert urban and stormwater runoff into an underground infiltration gallery, for infiltration into underlying soils to recharge the groundwater supply and improve water quality. The stormwater will be diverted from Los Angeles County Flood Control District (LACFCD) storm drains and pre-treated, to remove sediment and trash, prior to entering the underground infiltration gallery. Diverting both dry (e.g., irrigation) and wet weather flows from the storm drain system provides the opportunity to treat and infiltrate a large volume of runoff. Excess runoff will be filtered and discharged back to the storm drain. This includes pollutants of concern such as nutrients and toxins which are part of the Total Maximum Daily Load (TMDL) set for pesticides.
- Water Supply: The Sorensen Park Multi-Benefit Stormwater Capture Project is conceptualized and designed to fulfill the above needs and to achieve the following outcomes:

  • Improve the water quality of the stormwater diverted into the underground storage by reducing the quantity of pollutants.

• Increase the water supply benefits from diversion by capturing and treating the maximum amount of runoff and storm drain volume and infiltrating the diverted flow through the underground storage facility.

- Flood Risk Mitigation: The Project will capture and hold water in an underground storage reservoir during storm events to eventually infiltrate.

- Park Space, Habitat, or Wetland Space: Native plants and trees provide habitat for park wildlife. [Low Impact Design] (LID) in the form of biofiltration and vegetated filter-strip features filter surface water and provides a biodiverse planting area.

- Recreational Opportunities: This Project includes reconstructing the existing basketball courts. Potential recreational and aesthetic improvements at Sorensen Park, including enhanced sports fields and upgrade of fitness and playground equipment within construction limits, may be determined in the final design phase.

- Urban Heat & Shade: This Project will plant trees and native and drought-tolerant vegetation to provide shade and mitigate local urban heat island effect. Conceptual estimates based on urban heat island effect research suggest an average reduction in peak summer temperatures by 1.5 degrees Fahrenheit.

- Shade & Vegetation: Additional trees and native vegetation will be planted to sequester carbon and improve local air quality.

- Disadvantaged Community Benefit: The proposed park improvements will benefit surrounding disadvantaged communities by providing enhanced green and park space, promoting biodiversity and carbon sequestration. Above-ground improvements include exercise equipment, a basketball court, new trees and vegetation that will help provide additional shade and enhance recreational activities for all users.

OVERVIEW OF FUNDING NEED FOR PROJECT

The Sorensen Park Multi-Benefit Stormwater Capture Project is currently requesting $1,616,592 of Safe, Clean Water Program Round 5 funding for FY24-25. The Project is tentatively requesting a total of $1,616,592 of Safe, Clean Water funding through FY24-25 for Design. The Project's total cost is $35,755,016 (Planning, Design, and Construction).

The Project has not previously received Safe, Clean Water Program funding.

As disclosed in the Project application, the Project Proponent has leveraged $1,616,592 of municipal funds from the County of Los Angeles.

- **Total SCW funding requested for FY24-25:** $1,616,592
- **Total SCW funding awarded to date:** None
- **Total SCW funding requested:** $1,616,592 (Infrastructure Program – Design)
- **Total Infrastructure Project cost:** $35,755,016 (Infrastructure Program – Planning, Design, Construction)
- **Cost share and/or existing funding already leveraged:** $1,616,592

	Year 1 – Current Ask	Year 2	Year 3	Year 4	Year 5	Future Funds	Total Request
Request	$1,616,592	$ --	$ --	$ --	$ --	$ --	$1,616,592
Phase	Design	N/A	N/A	N/A	N/A	N/A	

Status and schedule of project:

- **Date of completion of Project planning and design**: 03/2026
- **Anticipated date of completion of Project construction:** 12/2027

FUNDING OPPORTUNITIES

The following funding/grant program opportunities align with the Sorensen Park Multi-Benefit Stormwater Capture Project. Funding/grant program opportunities are categorized into topic areas based on the claimed project benefits in the Safe, Clean Water Program project application. Each funding/grant program listed includes an assessment of the project's funding competitiveness in its description.

Funding competitiveness assessments will fall under three levels:

- Strong: The Project has a strong potential to be competitive for program funding. The Project provides numerous benefits and aligns strongly with the funding program's goals and priorities.
- Moderate: The Project has a moderate potential to be competitive for program funding. The Project features some benefits that align with the funding program's focus.
- Low: The Project has a low potential to be competitive for program funding. The Project features a benefit that aligns with the funding program's focus but does not directly align with funding priorities.

RECREATION

Los Angeles County Regional Parks and Open Space District's (RPOSD) Community-Based Park Investment - Measure A Annual Allocations Grant Program funds development, acquisition, planning, and design projects that promote community-based park investments. Project types can include but are not limited to: community and local parks (including pocket parks, playgrounds, and park equipment), community recreational centers, park safety, greenspace and greenway development, gardens, and urban canopy development. This RPOSD grant program is part of Measure A Annual Allocations and is funded annually by 13% of the Measure A expenditure plan. Allocations are calculated for each Study Area. Funds are replenished each fall with a rolling grant application period. There is no cost-share requirement.

Sorenson Park Multi-Benefit Stormwater Capture Project has a ***strong potential*** to be competitive for this RPOSD grant program. The RPOSD program funds project design phases. The Project's recreational and aesthetic park improvements, as claimed in the Safe, Clean Water Project Application align with RPOSD's funding priorities.

URBAN HEAT

Integrated Climate Adaptation & Resiliency Program's (ICARP) Extreme Heat and Community Resilience Grant Program funds planning and implementation projects that reduce the impacts of extreme heat and build community resilience. The Program will build frameworks for change and invest in local, regional, and tribal projects that strengthen communities that are vulnerable to heat. The ICARP program plans to award a total of $36 million in grants for the first funding round, with 40% of total funds allocated to planning grants and 60% of total funds for implementation grants.

Draft Grant Guidelines were released on October 12, 2023, and the following information is subject to change in the Final Grant Guidelines. The ICARP Program's funding award amounts categories are: Small Planning Grants ($100,000 and $250,000), Large Planning Grants ($300,000 and $750,000), Small Implementation Grants ($100,000 and $450,000), and Large Implementation Grants ($500,000 and $5 million). No match funding is required. Implementation grants may fall under four tracks: Track A) Build Public Awareness and Notification, Track B) Strengthen Community Services and Response, Track C) Increase Resilience of Our Built Environment, and Track D) Utilize Nature-based Solutions.

Sorenson Park Multi-Benefit Stormwater Capture Project has a ***moderate potential*** to be competitive for this ICARP grant program given its alignment with urban heat benefits. The project's design phase can be covered under eligible costs for implementation grants.

Funding programs change frequently. The above identified funding opportunities are initial recommendations, and further research should verify project-specific eligibility requirements, latest funding levels, and appropriate timelines. Use the links above to research these programs further. If you are unsure about your project eligibility or competitiveness, reaching out to program coordinators via contact emails or webinars is a good way to get your questions answered. The California Grants Portal and California Financing Coordinating Committee Funding Fairs can serve as resources to identify additional funding opportunities.

Questions can be asked of the Watershed Coordinator or the Regional Coordination Team.

FUNDING MEMO

To:	Lower San Gabriel River Watershed Area Steering Committee	From:	Safe, Clean Water Program Regional Coordination Team
Project:	Reservoir Park Stormwater Capture Project	Date:	December 7, 2023
Project Lead:	City of Signal Hill	Call for Projects Year:	Round 5 FY24-25
Watershed Area:	Lower San Gabriel River	Project Location:	3315 Gundry Ave Signal Hill, CA 90755

Reference: Leverage Funding Memo for Reservoir Park Stormwater Capture Project

Leveraged funding is a key program goal in the Safe, Clean Water Program Implementation Ordinance (Chapter 18.04). This and other Funding Memos are generated for all eligible newly submitted Safe, Clean Water Program Infrastructure Program projects in Round 5 FY24-25. The intent of this funding memo is to strengthen the identification of leverage funding sources and support WASCs in funding priorities and partial funding decisions. Below is a summary of the project benefits, overview of the funding request, potential sources of leverage funding for this project, and an assessment of funding competitiveness in those programs.

PROJECT SUMMARY

The Project Application describes the proposed project in this way:

> Reservoir Park is owned and operated by the City of Signal Hill and has been identified as a key Regional Project in the Los Cerritos Channel Watershed Management Program (LCC WMP). Runoff within this corridor drains through the upstream storm drain system, into the Los Cerritos Channel, and ultimately the Pacific Ocean. The proposed project includes an 8 CFS diversion from BI 0633 – Line B, a 66" reinforced concrete pipe (RCP) that follows E. Wardlow Rd. The diverted flow travels to a pretreatment unit and then to a wet well pump station and check valve vault where flow direction then depends on the type of weather flow. During dry weather flows, the flow is then pumped to a dry well and returns to the 0.5 acre-foot underground subsurface infiltration gallery. During wet weather flows, the flow is instead pumped directly to the subsurface infiltration gallery, and eventually either infiltrates or exits through a 7.84 CFS filter back into BI 0633 – Line B. The project seeks to improve the water quality of stormwater runoff flows conveyed through capture, storage, and filtration before returning flows back to the storm drain network.

PROJECT BENEFITS

The Project Application describes the following benefits will be provided by the project:

- Water Quality: Water quality/MS4 compliance is a primary need that the Reservoir Park Project is addressing. Reservoir Park was listed as a potential site for future targeted control measures in the Los Cerritos Channel watershed in order to meet the LCC WMP volume reduction goals to achieve required pollutant reductions. The LCC WMP's Reasonable Assurance Analysis (RAA)

used the LACFCD Watershed Management Modeling System to demonstrate that the activities and control measures outlined in the WMP will achieve applicable Water Quality Based Effluent Limitations (WQBELs) and/or Receiving Water Limits (RWLs) with any compliance deadlines during the current MS4 Permit term. Modeling was performed to quantify necessary load reductions to achieve the milestones. Based on these load reduction targets, a pollutant reduction plan was established that outlines the types and sequencing of BMPs for each jurisdiction to achieve milestones according to the schedule. The RAA provides a detailed list of the capacities needed for BMPs over time, incorporating the existing BMPs and control measures identified in the WMP. These recommendations serve as goals for each jurisdiction to seek opportunities for implementation over time.

The limiting pollutant in the LCC WMP for dry and wet weather was determined to be zinc as elaborated in Section 5.4 of the LCC WMP. Bacteria is also considered a limiting pollutant with alternative treatment methods as well as structural solutions being considered. Reductions of zinc during WMP implementation are expected to drive reduction of other pollutants by emphasizing sediment control and retention/infiltration.

Reservoir Park was modeled using zinc as the limiting pollutant and is expected to capture 36.3 pounds of zinc on an annual average basis, as well as other water quality priorities such as organics and E. Coli— the dry weather limiting pollutant. Section 3.2 discusses how the project contributes to overall WMP goals in addressing the water quality priorities listed in Section 3.1.1.

- Water Supply: This project is not currently intended to address water supply needs as detailed in Section 4.2.

- Park Space, Habitat, or Wetland Space: Native trees, shrubs, and grasses will be installed throughout the project area to increase natural habitat and shade canopy. The addition of an on-site community garden in an area of the park lacking in other vegetation will create new habitat as well. The new porous concrete path connecting the inner park walking paths will create further area for community members who enjoy walking along the park.

- Recreational Opportunities: The project proposes a new porous concrete path that will connect to the existing walking paths to create a continuous circuit within the park area so park goers will not have to walk along the edge sidewalk or walk around the maintenance yard and reservoir. The porous concrete path will also loop the community garden area, creating recreational opportunities for park visitors including birding and butterfly observation. The addition of trees around the playground will provide more shade cover, allowing the public to enjoy the play equipment more on extra hot and sunny days.

- Urban Heat & Shade: While the park already has extensive tree canopy on the northeast area of the park, and some along the western side, more trees could be planted surrounding the walkways and playground to further reduce the urban heat island effect. The existing canopy is approximately 39,211 square feet and consists of 61 trees. As a part of this project, landscape plans post construction include additional native trees, shrubs, and grasses to be installed at select spots impacted by the construction throughout the park to add shade along the existing and new walkways. The initial estimated proposed canopy is an additional 9,791 square feet from 28 new trees, almost triple the canopy cover lost due to construction (3,650 sf from 7 trees) for a total additional new canopy cover of 6,141 square feet. Additionally, a community garden area will increase the on-site native vegetation that will provide additional shade and cooling effects.

- Shade & Vegetation: To promote a more natural biome, native trees and vegetation that are part of the post-construction landscape plan will contribute to increased tree count and shade for the park. Special consideration will be made for the community garden area to increase the total tree count at the site. The project anticipates adding up to 28 trees throughout the impacted areas to increase the shade canopy along the existing and new walkways, as well as the playground. The net increase in new vegetation is anticipated to sequester approximately 0.16 lbs of CO2 per year (assuming 1.13 lbs/ac/yr) more than the existing vegetation cover.

OVERVIEW OF FUNDING NEED FOR PROJECT

The Reservoir Park Stormwater Capture Project is currently requesting $951,843 of Safe, Clean Water Program Round 5 funding for FY24-25. The Project is tentatively requesting a total of $6,676,878 of Safe, Clean Water funding through FY27-28 for Design and Construction. The Project's total cost is $6,769,122 (Planning, Design, and Construction).

The Project has not previously received Safe, Clean Water Program funding.

As disclosed in the Project application, the Project Proponent has not leveraged external funding outside of the Safe, Clean Water Program.

- **Total SCW funding requested for FY24-25:** $951,843
- **Total SCW funding awarded to date:** None
- **Total SCW funding requested:** $6,676,878 (Infrastructure Program – Design and Construction)
- **Total Infrastructure Project cost:** $6,769,122 (Infrastructure Program – Planning, Design, Construction)
- **Cost share and/or existing funding already leveraged:** None

	Year 1 – Current Ask	Year 2	Year 3	Year 4	Year 5	Future Funds	Total Request
Request	$951,843	$1,918,345	$1,903,345	$1,903,345	$ --	$ --	$6,676,878
Phase	Design	Construction	Construction	Construction	N/A	N/A	

Status and schedule of project:

- **Date of completion of Project planning and design**: 03/2026
- **Anticipated date of completion of Project construction:** 03/2028

FUNDING OPPORTUNITIES

The following funding/grant program opportunities align with the Reservoir Park Stormwater Capture Project. Funding/grant program opportunities are categorized into topic areas based on the claimed project benefits in the Safe, Clean Water Program project application. Each funding/grant program listed includes an assessment of the project's funding competitiveness in its description.

Funding competitiveness assessments will fall under three levels:

- Strong: The Project has a strong potential to be competitive for program funding. The Project provides numerous benefits and aligns strongly with the funding program's goals and priorities.
- Moderate: The Project has a moderate potential to be competitive for program funding. The Project features some benefits that align with the funding program's focus.
- Low: The Project has a low potential to be competitive for program funding. The Project features a benefit that aligns with the funding program's focus but does not directly align with funding priorities.

URBAN HEAT

Integrated Climate Adaptation & Resiliency Program's (ICARP) Extreme Heat and Community Resilience Grant Program funds planning and implementation projects that reduce the impacts of extreme heat and build community resilience. The Program will build frameworks for change and invest in local, regional, and tribal projects that strengthen communities that are vulnerable to heat. The ICARP program plans to award a total of $36 million in grants for the first funding round, with 40% of total funds allocated to planning grants and 60% of total funds for implementation grants.

Draft Grant Guidelines were released on October 12, 2023, and the following information is subject to change in the Final Grant Guidelines. The ICARP Program's funding award amounts categories are: Small Planning Grants ($100,000 and $250,000), Large Planning Grants ($300,000 and $750,000), Small Implementation Grants ($100,000 and $450,000), and Large Implementation Grants ($500,000 and $5 million). No match funding is required. Implementation grants may fall under four tracks: Track A) Build Public Awareness and Notification, Track B) Strengthen Community Services and Response, Track C) Increase Resilience of Our Built Environment, and Track D) Utilize Nature-based Solutions.

The Reservoir Park Stormwater Capture Project has a ***strong potential*** of securing funding through this ICARP grant program. The Project's tree canopy, community garden, native vegetation aspects, as claimed in the Safe, Clean Water Project Application, align well with the program's funding Implementation Track D) Utilize Nature-based Solutions priorities, including tree planting and community gardens.

RECREATION

Los Angeles County Regional Parks and Open Space District's (RPOSD) Community-Based Park Investment - Measure A Annual Allocations Grant Program funds development, acquisition, planning, and design projects that promote community-based park investments. Project types can include but are not limited to: community and local parks (including pocket parks, playgrounds, and park equipment), community recreational centers, park safety, greenspace and greenway development, gardens, and urban canopy development. This RPOSD grant program is part of Measure A Annual Allocations and is funded annually by 13% of the Measure A expenditure plan. Allocations are calculated for each Study Area. Funds are replenished each fall with a rolling grant application period. There is no cost-share requirement.

The Reservoir Park Stormwater Capture Project has a ***moderate potential*** of securing funding through this RPOSD program. The Project includes recreational greenspace, a community garden, and urban canopy development, as claimed in the Safe, Clean Water Project Application.

URBAN FORESTRY

CAL FIRE's Urban and Community Forestry Grant Program is an annual grant program approved by the Budget Act each fiscal year. Program cycles may have a specific focus, such as the FY22-23 cycle focus on green schoolyards. This grant program funds planning and implementation projects for urban forest planting projects with multiple benefits, that give special attention to greenhouse gas reduction, energy conservation, air quality improvement, stormwater management, water quality, or improvement of public health outcomes. Urban and Community Forestry Grant Program grants require a 25 percent cost share. Funds may be sourced from state funding from agencies other than CAL FIRE. Projects that meet disadvantaged/low-income requirements are eligible to waive cost share requirements.

The Reservoir Park Stormwater Capture Project has a ***moderate potential*** of securing funding through this CAL FIRE grant program. The Project aligns well with multi-benefit forest planting projects that manage stormwater, according to Project benefits claimed in the Safe, Clean Water Project Application.

Funding programs change frequently. The above identified funding opportunities are initial recommendations, and further research should verify project-specific eligibility requirements, latest funding levels, and appropriate timelines. Use the links above to research these programs further. If you are unsure about your project eligibility or competitiveness, reaching out to program coordinators via contact emails or webinars is a good way to get your questions answered. The California Grants Portal and California Financing Coordinating Committee Funding Fairs can serve as resources to identify additional funding opportunities.

Questions can be asked of the Watershed Coordinator or the Regional Coordination Team.

FUNDING MEMO

To:	Lower San Gabriel River Watershed Area Steering Committee	From:	Safe, Clean Water Program Regional Coordination Team
Project:	Heartwell Park at Clark Channel Stormwater Capture Project	Date:	November 27, 2023
Project Lead:	City of Long Beach	Call for Projects Year:	Round 5 FY24-25
Watershed Area:	Lower San Gabriel River	Project Location:	5230 E Carson St Long Beach, CA 90808

Reference: Leverage Funding Memo for Heartwell Park at Clark Channel Stormwater Capture Project

Leveraged funding is a key program goal in the Safe, Clean Water Program Implementation Ordinance (Chapter 18.04). This and other Funding Memos are generated for all eligible newly submitted Safe, Clean Water Program Infrastructure Program projects in Round 5 FY24-25. The intent of this funding memo is to strengthen the identification of leverage funding sources and support WASCs in funding priorities and partial funding decisions. Below is a summary of the project benefits, overview of the funding request, potential sources of leverage funding for this project, and an assessment of funding competitiveness in those programs.

PROJECT SUMMARY

The Project Application describes the proposed project in this way:

> The Heartwell Park at Clark Avenue Channel site is owned and operated by the City of Long Beach and has been identified as a key Regional Project in the Los Cerritos Channel Watershed Management Program (LCC WMP). Runoff within this corridor drains to the Clark Avenue Channel, the Los Cerritos Channel, the Los Cerritos Estuary, and ultimately the Pacific Ocean. The proposed project includes a 100 CFS stormwater drop-inlet diversion from the LACFCD Los Cerritos Channel, Unit 3, Line A, a pretreatment unit, and a combination of a 30 acre-foot underground subsurface storage reservoir and dual 7.8 CFS filter system (15.6 CFS total). The project seeks to improve the water quality of stormwater runoff flows conveyed within the Clark Avenue Channel through capture, storage, and filtration before returning flows back to the channel via the proposed wetland revitalization of the existing lake and newly introduced stream. An additional alternative endpoint is the stormwater harvesting and reuse via irrigation. This project has the potential to offer runoff storage and water quality benefits for the cities of Long Beach, Lakewood, Bellflower, and Cerritos that can address the additional needs for stormwater management identified to achieve compliance with the LCC WMP.

PROJECT BENEFITS

The Project Application describes the following benefits will be provided by the project:

- Water Quality: Water quality/MS4 compliance is the primary need that the Heartwell Park project is addressing. Heartwell Park at Clark was listed as a potential site for control measures in the

Los Cerritos Channel watershed to meet the LCC WMP volume reduction goals to achieve required pollutant reductions. The LCC WMP's Reasonable Assurance Analysis (RAA) used the Los Angeles County Flood Control District (LACFCD) Watershed Management Modeling System to demonstrate that the activities and control measures outlined in the WMP will achieve applicable Water Quality Based Effluent Limitations (WQBELs) and/or Receiving Water Limits (RWLs) with any compliance deadlines during the current MS4 Permit term. Modeling was performed to quantify necessary load reductions to achieve the milestones. Based on these load reduction targets, a pollutant reduction plan was established that outlines the types and sequencing of BMPs for each jurisdiction to achieve milestones throughout the schedule. The RAA provides a detailed list of the capacities needed for BMPs over time, incorporating the existing BMPs and control measures identified in the WMP. These recommendations serve as goals for each jurisdiction to seek opportunities for implementation over time.

The limiting pollutant in the LLAR WMP was determined to be zinc in wet weather as elaborated in Section 3.2.4 of the June 2021 RAA (Attachment A of the LCC WMP). Reductions of zinc during WMP implementation are expected to drive reduction of other pollutants by emphasizing sediment control and retention/infiltration.

Heartwell Park at Clark was modeled using zinc as the limiting pollutant and is expected to capture over 550 pounds of zinc on an annual average basis, as well as other water quality priorities such as heavy metals and organics. Section 3.2 discusses how the project contributes to overall WMP goals in addressing the water quality priorities listed in Section 3.1.1.

- Water Supply: The project will replace the current usage of potable water to maintain the lake water level with collected dry weather flows from the channel. Runoff will consistently flow into the lake and overflow into the natural stream at the opposite side. This constant inflow of water will provide circulation within the lake which will prevent algae and vector growth.

  Additionally, all or a portion of the storage gallery can be filled at the end of the wet season. This stored water can be treated and used for onsite irrigation along with excess dry weather flows and will supplement the use of recycled water during the summer months. The recycled water can be used elsewhere in the city. A recirculation system will be installed within the subsurface storage reservoir to aerate the stored water and prevent stagnation.

  This will provide additional assurance that the City of Long Beach and other cities dependent on the Central Basin that local water demand will not exceed available water supplies.

- Flood Risk Mitigation: The system provides stormwater detention benefits that could address localized flooding within the drainage area. The project adds 30 ac-ft of storage for each storm event that would otherwise be conveyed down the Clark Channel.

- Park Space, Habitat, or Wetland Space: The proposed project area is an open space turf grass section with an existing lake. The installation of the underground structure will require the removal and replacement of this grassed surface and proposes to add native trees throughout. Approximately 14,700 square feet of shallow wetland areas are proposed within the existing lake and will increase onsite plant biodiversity and habitat. Planting plans developed during the design stage will include native plants appropriate for a wetland. These wetland cells could become home to a variety of animals such as fish, amphibians, and waterfowl that prefer the shallower water.

- Public Access to Waterways: The construction of a new naturalized stream and enhancement of the lake along with new walkways will provide the local community with improved access to waterways.

- Recreational Opportunities: The proposed wetland cells and natural stream enhance the park goers experience by providing visually interesting elements that feature new vegetation and animals. Permeable walkways provide connectivity to these features and increase park usage by persons with disabilities.

- Urban Heat & Shade: The proposed BMP area of the park has limited tree canopy and shade provided in the present form with the majority of the trees being found within the surrounding areas. This existing canopy of Heartwell park area bound by Clark Ave to the west and N Bellflower Blvd to the east is approximately 703,000 square feet. As a part of this project, landscape plans post construction include additional native trees, shrubs, and grasses to be installed at select spots impacted by the construction throughout the park to add additional tree cover around the proposed naturalized stream and the redesigned lake. The initial estimated proposed canopy calls for an additional 8 new trees totaling an addition of roughly 26,500 square feet of coverage (based on an average 65 ft mature Sycamore canopy diameter). Additionally, a naturalized, recirculation stream and proposed wetland cells within the lake will increase the on-site native vegetation that will provide additional shade and cooling effects. This vegetation and the removal of impervious surfaces designed to be replaced with permeable surfaces, for this project, will contribute to reductions in the heat island effect.

- Shade & Vegetation: Existing vegetation at the project site includes grass, sycamore trees, and pine trees. To promote a more natural biome, native trees and vegetation that are part of the post-construction landscape plan will contribute to increased tree count and shade for the park. Special consideration will be made for the recirculation stream and wetland cell area to increase the total tree count and vegetated areas at the site. The project anticipates adding up to 8 additional large canopy trees throughout the impacted areas to increase the shade canopy around the proposed stream, DG pathway areas, and the revitalized lake. The new vegetation is anticipated to sequester approximately an additional 1.1 lbs of CO_2 per year (assuming 1.13 lbs/ac/yr).

- Disadvantaged Community Benefit: This project will provide improved parkland facilities for use by residents of Long Beach and adjacent cities. The nearest disadvantaged community is 2 miles away. While the project site is not located within a disadvantaged community, abundant recreational opportunities along with ample parking make it a desirable destination for park lovers from miles around. Additionally, Long Beach City College is located just across Clark Street to the west which brings more people of varying backgrounds to the area. A subsurface stormwater capture system will be installed beneath existing open space and the existing grass turf will be replaced in kind. The existing lake will be revitalized by implementing shallow wetland cells along with a natural stream which will increase plant biodiversity onsite and improve the visual appeal. Expanded walkways made from permeable materials will increase the walkability of the site. Additional natural vegetation and new trees added will provide gathering spaces and areas for rest.

OVERVIEW OF FUNDING NEED FOR PROJECT

The Heartwell Park at Clark Channel Stormwater Capture Project is currently requesting $2,864,472 of Safe, Clean Water Program Round 5 funding for FY24-25. The Project is tentatively requesting a total of

$2,864,472 of Safe, Clean Water funding for FY24-25 for Design. The Project's total cost is $50,633,451 (Planning, Design, and Construction).

The Project previously applied for Safe, Clean Water Program Infrastructure Program funding for FY22-23, but was not awarded funding.

As disclosed in the Project application, the Project Proponent has not leveraged external funding outside the Safe, Clean Water Program.

- **Total SCW funding requested for FY24-25:** $2,864,472
- **Total SCW funding awarded to date:** None
- **Total SCW funding requested:** $2,864,472 (Infrastructure Program – Design)
- **Total Infrastructure Project cost:** $50,633,451 (Infrastructure Program – Planning, Design, and Construction)
- **Cost share and/or existing funding already leveraged:** None

	Year 1 – Current Ask	Year 2	Year 3	Year 4	Year 5	Future Funds	Total Request
Request	$2,864,472	$ --	$ --	$ --	$ --	$ --	$2,864,472
Phase	Design	N/A	N/A	N/A	N/A	N/A	

Status and schedule of project:

- **Date of completion of Project planning and design**: 12/2025
- **Anticipated date of completion of Project construction:** 09/2028

FUNDING OPPORTUNITIES

The following funding/grant program opportunities align with the Heartwell Park at Clark Channel Stormwater Capture Project. Funding/grant program opportunities are categorized into topic areas based on the claimed project benefits in the Safe, Clean Water Program project application. Each funding/grant program listed includes an assessment of the project's funding competitiveness in its description.

Funding competitiveness assessments will fall under three levels:

- Strong: The Project has a strong potential to be competitive for program funding. The Project provides numerous benefits and aligns strongly with the funding program's goals and priorities.
- Moderate: The Project has a moderate potential to be competitive for program funding. The Project features some benefits that align with the funding program's focus.
- Low: The Project has a low potential to be competitive for program funding. The Project features a benefit that aligns with the funding program's focus but does not directly align with funding priorities.

HABITAT RESTORATION

California Wildlife Conservation Board (WCB) General Grant funds planning, implementation, acquisition, technical assistance, and scientific studies projects that provide one or more of the following benefits: 1) protected or enhanced biodiversity; 2) climate change resiliency and connectivity; 3) support State Wildlife Action Plan priority habitats; 4) conserved or enhanced working landscapes; 5) conserved or enhanced water-related projects; or 6) enhanced public access. The application cycle is continuous, and it is recommended applicants first consult WCB staff prior to completing a Pre-Application. Award amounts vary based on current available funds and the application pool. Funding amounts are determined by the WCB voting board and grants manager. There is no cost-share requirement. The

Heartwell Park at Clark Channel Stormwater Capture Project has a ***strong potential*** to be competitive for the WCB General Grant. As claimed in the Safe, Clean Water Program Application, The Project's shallow wetland cells along with a natural stream will increase plant and habitat biodiversity, and thus, strongly aligning with WCB's funding priorities.

Wildlife Conservation Board's (WCB) Stream Flow Enhancement Program (SFEP) funds projects that enhance stream flows across the state of California. The SFEP defines enhanced streamflow to mean: a change in the amount, timing, and/or quality of water flowing down a stream, or a portion of a stream, to benefit fish and wildlife. SFEP's grant is also administered by the Wildlife Conservation Board (WCB) and is part of the WCB General Grant's process.

Heartwell Park at Clark Channel Stormwater Capture Project has a ***strong potential*** to be competitive for the SFEP grant. As claimed in the Safe, Clean Water Program Application, the Project's shallow wetland cells along with a natural stream will increase plant and habitat biodiversity, thus strongly aligning with WCB's funding priorities.

WETLAND SPACE

California Department of Water Resources' (DWR) Urban Streams Restoration Program (USRP) funds projects to restore streams impacted by urban development to a more nature state. Project types include stream cleanups, bank stabilization projects, revegetation, recontouring of channels to improve floodplain functions and localized flood protection, acquisition of strategic floodplain properties. Grant administration for the USRP is now combined with the Riverine Stewardship Program; however, each program has separate grant guidelines. The USRP funds projects across California. A major objective of the USRP is community engagement and support. Grant applications must have two applicants: one local public agency or non-profit organization and one local community group. There is a 20%, non-state source, cost share requirement for projects funded with Proposition 68 funds. The cost share requirement may be waived for disadvantaged communities.

Heartwell Park at Clark Channel Stormwater Capture Project has a ***low potential*** to be competitive for the USRP. The Project's new naturalized stream and vegetation benefits claimed in the Safe, Clean Water application align with DWR's grant program's focus; however, this grant program requires two applicants, including one that is a local community group. The USRP additionally requires significant outreach before and after the project is completed. Given the Project's Safe, Clean Water Project Application and current project phase, this program does not strongly align with the USRP.

Funding programs change frequently. The above identified funding opportunities are initial recommendations, and further research should verify project-specific eligibility requirements, latest

funding levels, and appropriate timelines. Use the links above to research these programs further. If you are unsure about your project eligibility or competitiveness, reaching out to program coordinators via contact emails or webinars is a good way to get your questions answered. The California Grants Portal and California Financing Coordinating Committee Funding Fairs can serve as resources to identify additional funding opportunities.

Questions can be asked of the Watershed Coordinator or the Regional Coordination Team.