

# APPENDIX K | FUNDING OPTIONS

## CONNECTING TO THE ONE WATER PLAN

This appendix provides additional detail on funding and financing approaches to support implementation of OWH Plan, as presented in the following sections.

### CORRELATING SECTIONS AND INFORMATION

|                                |                                                                |                                                                                                                                                                        |
|--------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2 Collaboration Process</b> | <b>2.2 Existing Governance and Institutions</b>                | App. K.3 and recommendations throughout App. K build on the existing governance structure described in Sec. 2.2.                                                       |
|                                | <b>2.3 Foundation for Collaboration</b>                        | App. K4 through K.11 Address the Funding and Resources category institutional barriers identified in Section 2.3 and in Appendix A.                                    |
|                                | <b>2.4 Collaboration for Program and Project Collaboration</b> | App. K supports Sec. 2.4 and further elaborates on the need to create dedicated funding for a sustainable program.                                                     |
| <b>8 Implementation Plan</b>   | <b>8.6 Funding Strategy</b>                                    | App. K.3 through K.12 provides further details on the range of existing funding mechanisms, as well as funding and financing options, structures, and recommendations. |

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## SECTION K.1: INTRODUCTION

The One Water Honolulu Plan establishes a long-term framework for addressing O‘ahu's water, infrastructure, and climate resilience challenges through a coordinated, multi-agency approach. The Plan brings together drinking water, wastewater, sea water, stormwater, watershed management, flood mitigation, climate adaptation, and ecosystem restoration into a coordinated investment framework designed to protect communities, natural resources, and critical infrastructure. The Plan identifies nearly 50 prioritized projects ranging from water reuse and watershed restoration to sea level rise adaptation, flood resilience, and wildfire risk reduction. Collectively, the projects identified in the Plan extend beyond the scope of any single department's capital program and require coordinated investment among City departments, state and federal partners, utilities, community organizations, and other stakeholders.

Implementing this diverse portfolio of projects, programs and policy initiatives will require coordinated investment across multiple agencies, funding sources and implementation timeframes. While existing funding mechanisms have been effective in supporting regulatory compliance, facility maintenance, and targeted capital improvements, the scale, complexity and multi-benefit nature of the OWH portfolio requires a broader and more integrated funding and financing framework. Climate hazards such as sea level rise, heavy rain drought, heat, and wildfire are expected to increase in frequency and severity over the coming decades, creating long-term infrastructure and resilience needs that cannot be addressed through traditional agency-specific funding approaches alone.

The City's capital funding programs play a vital role in advancing planning, design, and construction projects. At the same time, successful implementation of the Plan requires continued investment in supporting activities such as coordination, monitoring, maintenance, watershed stewardship, regulatory implementation, community engagement, and adaptive management that help sustain project benefits over the long term.

For example:

- A watershed restoration project may require decades of invasive species management, monitoring, and stewardship.
- A water reuse system requires long-term operations, maintenance, customer engagement, and regulatory compliance.
- Flood resilience investments require ongoing asset management and adaptation as climate risks evolve.
- Green infrastructure systems require dedicated maintenance programs to sustain long-term performance.

Funding strategies should continue to incorporate life cycle cost considerations, recognizing that many One Water investments require ongoing operations, maintenance, monitoring, stewardship,

regulatory compliance, and adaptive management over extended time horizons. While these costs are often evaluated as part of project planning and delivery, a One Water approach emphasizes the importance of sustaining funding for both capital assets and the long-term programs and activities needed to maintain performance and achieve intended outcomes. A balanced One Water funding portfolio should therefore combine grants, local revenues, financing tools, operational funding sources, and dedicated resilience funding mechanisms capable of supporting both projects and programs over multiple decades.

This strategy provides a roadmap for evolving Honolulu's funding framework over the next 30 years through a combination of improved capital planning, dedicated revenue sources, innovative financing tools, stronger project development practices, and expanded access to federal, state, and regional funding opportunities. The objective is not only to fund individual projects but identify opportunities to co-fund projects in the near-term and to establish a long-term financing system capable of supporting ongoing climate resilience investments identified in the One Water Program over multiple decades.

*Section K.1 focuses on the funding needs associated with different types of One Water Honolulu activities, including policies, programs, and capital projects. The following section shifts focus to the funding and financing mechanisms that may be available to support those activities. Together, these sections help identify potential funding pathways while recognizing that individual projects and programs may require different funding approaches over time.*

## SECTION K.2: POLICY, PROGRAMS, AND CAPITAL PROJECTS

Understanding the distinctions between funding mechanisms for policies, programs, and capital projects is critical to successful implementation of the One Water Honolulu Plan. While many funding discussions focus on infrastructure delivery, One Water outcomes depend equally on policy development, program administration, interagency coordination and stakeholder collaboration, operations, maintenance, and long-term stewardship activities. Each of these functions is supported by different funding sources, eligibility requirements, and approval processes. Matching funding mechanisms to the appropriate One Water activity improves implementation feasibility, increases funding competitiveness, and helps ensure that projects can be sustained over their full life cycle. For OWH, long-term success will depend not only on constructing individual projects, but also on establishing a diversified funding portfolio capable of supporting the broader resilience program that enables those projects to deliver lasting benefits to O'ahu's communities, water resources, and environment.

A distinguishing characteristic of the OWH Plan is that many priority projects provide benefits across multiple departments, agencies, and stakeholder groups. Unlike traditional infrastructure

investments that are typically planned, funded, and implemented by a single department, One Water projects frequently advance multiple objectives, including water supply reliability, flood mitigation, watershed protection, climate adaptation, ecosystem restoration, and community resilience. As a result, implementation often requires coordination among agencies with different responsibilities, funding authorities, budgeting processes, and capital planning priorities. These cross-departmental relationships influence how projects are prioritized, funded, and ultimately delivered.

While specific grant, loan, and funding programs will change over time, the principles for successful implementation remain largely consistent. Projects and programs that are integrated into departmental planning processes, supported by clear governance structures, aligned with community and resilience priorities, and advanced through strong interagency coordination are generally better positioned to secure funding and sustain implementation over time. As a result, this appendix focuses not only on available funding mechanisms, but also on the institutional practices and funding approaches that can improve the long-term viability of OWH initiatives.

## **K.2.1 POLICY AND PLANNING ACTIVITIES**

Policy development, regulatory updates, master planning, outreach, climate adaptation planning, watershed strategies, and technical studies are typically funded through operating and planning-focused funding sources. For City departments, these activities are commonly supported by:

- Department operating budgets and enterprise fund revenues
- General Fund appropriations
- State planning assistance and technical assistance programs
- Limited federal planning grants
- State Revolving Fund (SRF) planning set-asides
- Targeted climate and resilience planning, watershed planning and climate adaptation grants

In many cases, planning and policy activities are funded as part of ongoing operations because they support program management, regulatory compliance, asset management, and long-term capital planning. Many funding mechanisms that are available for capital construction projects are not eligible for policy development, planning studies, or outreach efforts.

These activities are critical because they establish the foundation for future project implementation, improve regional coordination and improve competitiveness for external funding opportunities.

## **K.2.2 PROGRAMS AND ONGOING SERVICES**

Programs such as watershed stewardship, water conservation, affordability initiatives, green infrastructure maintenance, climate resilience programs, and environmental compliance activities often require sustained operational funding. These efforts are commonly supported through:

- Utility revenues and user fees
- Department operating budgets
- Climate Resiliency Fund allocations
- Federal and state program grants
- Nonprofit and philanthropic partnerships
- Watershed partnership funding

Programmatic activities are often funded differently from capital infrastructure projects. While some grant opportunities can support program development and implementation, these efforts generally require long-term operational funding for staffing, monitoring, reporting, outreach, maintenance, and adaptive management that extends beyond initial project implementation. As a result, stable operating revenue sources are often essential to sustaining program benefits over time.

Understanding these funding approaches can help inform how future OWH programs may be structured and financed, recognizing that specific funding sources will vary depending on program objectives, eligibility requirements, and implementing agencies.

### **K.2.3 CAPITAL PROJECTS AND INFRASTRUCTURE INVESTMENTS**

Major infrastructure projects such as water reuse systems, flood mitigation improvements, wastewater upgrades, green stormwater infrastructure, watershed restoration projects, and climate resilience investments generally require significant capital funding and long-term financing. The funding sources described below represent financing mechanisms commonly used by City departments and comparable agencies and are intended to inform potential funding pathways for future OWH projects.

- Utility and enterprise fund revenues (including sewer and water rate revenues)
- Capital Improvement Program (CIP) funding
- General Obligation Bonds
- Revenue Bonds
- Green Bonds and Sustainability Bonds
- Environmental Protection Agency (EPA) Water Infrastructure Finance and Innovation Act (WIFIA) financing
- State of Hawai‘i Department of Health’s (DOH’s) Clean and Drinking Water State Revolving Funds (CWSRF/DWSRF)
- Federal and state grants
- Public-private partnerships

- Future dedicated funding mechanisms such as a Stormwater Utility Fee

**For OWH implementation, the specific funding mix will vary by project type, implementing agency, regulatory requirements, funding eligibility, and funding availability at the time of project delivery.** These funding and financing mechanisms provide the capital necessary to deliver large-scale infrastructure while spreading costs over the useful life of the asset.

A sustainable One Water Honolulu funding strategy should recognize that policies, programs, and capital projects require different funding approaches. Policy and planning initiatives are typically supported through operating budgets and planning grants, ongoing programs such as watershed management, conservation, and resilience require recurring operational funding, while major infrastructure projects rely on capital funding, financing tools, utility revenues, and grants. Aligning the appropriate funding mechanism with each activity type is essential for long-term implementation and financial sustainability of the OWH Program. In addition, integrating One Water priorities into departmental planning, capital improvement programming, budgeting processes, and interagency decision-making can improve project readiness, strengthen funding competitiveness, and support implementation over time.

## SECTION K.3: CURRENT CITY AND COUNTY FUNDING ENVIRONMENT

*Sections K.1 and K.2 describe the funding needs associated with different types of One Water Honolulu activities and the funding and financing mechanisms that may be available to support implementation. Section K.3 builds upon this foundation by examining the current funding environment within the City and County of Honolulu, identifying institutional and funding constraints that may affect implementation, and highlighting opportunities that could improve the City's ability to advance OWH priorities over time.*

The City currently relies on a combination of General Fund appropriations, CIP funding, General Obligation and Revenue bonds, utility revenues, state appropriations, federal and state low-interest loans and grants, and agency-specific funding programs to deliver infrastructure projects and public services. These funding sources have historically supported investments in drinking water, wastewater, transportation, drainage, parks, and other public facilities.

Although these mechanisms have been successful for traditional infrastructure delivery, they were not designed to address the interconnected nature of climate adaptation investments envisioned through the One Water approach. Many of the highest-priority One Water projects provide benefits across multiple departments and stakeholders while addressing multiple climate hazards simultaneously. As a result, project costs, benefits, and implementation responsibilities often extend beyond the jurisdiction of a single department.

Most capital projects continue to be planned and prioritized through individual departmental capital planning processes. Many City departments rely on General Fund appropriations and the City's Capital Improvement Program (CIP), while enterprise-funded agencies, such as the Department of Environmental Services (ENV) and the Board of Water Supply (BWS), largely fund capital investments through utility revenues, user fees, and associated financing mechanisms. Certain major initiatives receive dedicated funding sources established for specific purposes. An example is the Honolulu Authority for Rapid Transit (HART) which receives dedicated funding sources including tax revenues, federal transit administration (FTA) funding, and City financing and bond proceeds. In practice, departments are often focused on immediate operational requirements, aging infrastructure replacement, and regulatory mandates. Climate adaptation projects must therefore compete with other infrastructure priorities during annual budget development and CIP formulation processes. While adaptation is increasingly recognized as a critical public investment, funding mechanisms have not yet evolved to support climate resilience as a dedicated capital planning objective.

### **K.3.1 CROSS-DEPARTMENT PROJECT FUNDING AND COST SHARING**

Many of the projects envisioned through the One Water Honolulu Plan generate benefits that span multiple departments and service areas. Flood mitigation projects may improve transportation resilience, protect wastewater infrastructure, enhance water quality, and reduce risk to communities simultaneously. Similarly, watershed restoration projects can support groundwater recharge, wildfire mitigation, water supply reliability, erosion control, and ecosystem protection. As a result, successful implementation will often require collaboration among multiple departments rather than reliance on a single departmental funding source.

The City currently utilizes project-specific cost sharing and collaboration arrangements to support multi-benefit initiatives. Examples include coordination between the BWS, ENV, Department of Facility Maintenance (DFM), Department of Design and Construction (DDC), and other departments. These arrangements are typically formalized through Memoranda of Agreement (MOAs) developed on a project-by-project basis that clearly define project scope, funding responsibilities, ownership, operations and maintenance obligations, and implementation roles.

While these arrangements demonstrate that co-funding is possible, interviews consistently indicated that the process can be transactional, time-intensive, and administratively complex. The City does not currently maintain a standing joint capital improvement program, pooled funding mechanism, or formalized One Water funding structure that routinely supports multi-agency projects. Each collaborative effort is generally negotiated independently and often requires separate account structures, budget approvals, and departmental coordination.

Over time, the City should evaluate opportunities to establish programmatic funding agreements, master interagency agreements (MOAs), and standardized cost-sharing frameworks that can reduce

administrative burdens and accelerate implementation of multi-benefit projects. Such tools could preserve departmental autonomy while creating greater financial and operational connectivity among participating departments.

### **K.3.2 CURRENT GRANT MANAGEMENT STRUCTURE**

Grant administration within the City and County of Honolulu is decentralized and varies significantly among departments. Different departments maintain different funding relationships, expertise, approval processes, and compliance responsibilities depending on their operational mission and funding sources.

For example:

- The Department of Community Services administers federal formula programs such as Community Development Block Grants (CDBG), HOME Investment Partnerships Program (HOME), Emergency Solutions Grant (ESG) Program, Housing Opportunities for Persons with AIDS (HOPWA) Program, and Housing Trust Fund (HTF) funding.
- The Office of Grants Management administers Grants-in-Aid funding for qualified nonprofit organizations.
- Infrastructure departments such as ENV, BWS, and, at a lesser level, others pursue specialized federal and state funding opportunities including SRF, United States Bureau of Reclamation (Reclamation), United States Environmental Protection Agency (EPA), Federal Emergency Management Agency (FEMA), and United States Department of Agriculture (USDA) programs.
- Compliance and reporting responsibilities generally remain with the department receiving the award.

As a result, the City's current grant environment is largely department-driven and relationship-based rather than centrally coordinated. While departments have developed considerable expertise within their own funding domains, there is currently limited cross-departmental coordination regarding grant identification, prioritization, funding matches, and strategic pursuit of multi-benefit funding opportunities.

Several peer practices identified through the funding assessment could strengthen One Water implementation and improve competitiveness for external funding. These include:

- Creating a centrally coordinated framework to create greater transparency and consistency in project prioritization by evaluating costs, benefits, opportunities for cost sharing and resiliency outcomes across departments using a common set of criteria.
- Establishing executive-level grant coordination functions that track major funding opportunities across departments

- Developing a standardized "go/no-go" process to evaluate grant opportunities based on strategic alignment, competitiveness, staffing capacity, match requirements, and implementation readiness
- Creating a shared knowledge base of funding opportunities, grant requirements, and lessons learned
- Expanding training and funding literacy to ensure departments understand available federal and state funding resources
- Standardizing grant administration, compliance tracking, and reporting processes where feasible
- Coordinating local match strategies across departments to maximize the ability to leverage external funding

As the City continues developing a grants function within the Mayor's Office, One Water Honolulu presents an opportunity to create stronger institutional learning and coordination opportunities across departments. Improving communication among departments can help identify multi-benefit projects, reduce duplication of effort, improve grant competitiveness, and increase the City's ability to braid multiple funding sources together to support integrated resilience investments.

### K.3.3 KEY CONSTRAINTS AND BARRIERS

The One Water planning process identified a number of institutional and financial barriers that will need to be addressed to support long-term implementation. The constraints and barriers identified in this section are informed by stakeholder interviews with participating City departments, review of existing plans and funding documents, and discussions completed as part of development of the OWH Plan. Of note, these challenges are not unique to Honolulu and are commonly encountered by communities beginning to transition from traditional infrastructure planning to climate adaptation investment.

#### Institutional Constraints

One of the most significant barriers is the fragmentation of capital planning and funding processes. Infrastructure projects are generally developed within individual agency budgets and work programs rather than through coordinated regional resilience initiatives. This structure can make it difficult to develop projects that produce benefits across departments or provide multiple resilience outcomes.

Funding silos present a related challenge. Existing funding programs are frequently organized around specific infrastructure sectors such as transportation, wastewater, stormwater, or parks. In contrast, many One Water projects integrate multiple objectives including flood mitigation, ecosystem restoration, water quality improvements, and climate resilience. These projects often do not align neatly with a single funding category.

### Funding and Budget Constraints

Another significant limitation is the absence of dedicated revenue sources for climate adaptation investments. While wastewater and drinking water utilities benefit from established revenue structures, many adaptation initiatives—including watershed restoration, wildfire resilience, sea level rise adaptation, nature-based infrastructure, and community flood mitigation—lack dedicated funding streams. These investments must therefore compete with other priorities for limited public resources.

Department interviews consistently highlighted limits on the City's ability to establish new revenue sources and funding mechanisms. The Office of Climate Change, Sustainability and Resiliency's (CCSR's) review of potential funding mechanisms further highlighted that many promising revenue options would require significant legislative, legal, or political action before implementation. Several opportunities—including dedicated climate levies, tax surcharges, expanded impact fees, and certain value-capture tools—may require state enabling legislation, voter approval, County Charter amendments, or new administrative structures. As a result, implementation strategies should prioritize mechanisms that can be deployed within existing authorities while continuing to evaluate longer-term policy reforms.

It was noted that Honolulu operates within statutory and legal constraints that limit flexibility compared to peer jurisdictions. Interviewees also cited uncertainty regarding allowable uses of emerging resilience funding sources and concerns regarding the administrative burden of implementing new funding mechanisms. As a result, many participants emphasized the importance of maximizing existing funding tools in the near term while documenting opportunities for longer-term legislative and policy changes.

### Project Delivery and Implementation Constraints

The City also faces challenges related to staff capacity and project readiness. Departments often lack dedicated resources to coordinate funding strategies, pursue grant opportunities, and prepare competitive funding applications. Many adaptation projects require additional planning, design, environmental review, and benefit-cost analysis before they are ready to compete for major state and federal funding opportunities.

## **SECTION K.4: STRATEGIC FUNDING VISION**

The long-term vision for One Water Honolulu is to establish climate adaptation and resilience investments as a routine component in planning, budgeting, capital investment and operational decision making rather than a supplemental or discretionary activity. Climate resilience should be embedded into infrastructure decision making in the same way that safety, reliability, regulatory compliance, and asset management are considered today.

Beyond identifying funding sources, Honolulu's long-term success will depend on integrating climate considerations into capital planning, budgeting, and project delivery processes. As the City advances implementation of the One Water Honolulu Plan, enhanced climate budget tagging and climate-informed capital improvement planning can improve transparency, demonstrate alignment between investments and resilience objectives, and strengthen competitiveness for future state and federal funding opportunities. Establishing a consistent framework for identifying, tracking, and reporting climate-related expenditures will also create the foundation for future resilience financing programs and performance-based funding strategies.

Achieving this transition will require stronger integration between climate planning, capital improvement programming, budgeting, and project delivery. Several implementation strategies identified through the City's Climate Financial Risk Assessment—including climate budget tagging (discussed in Plan Section 8 and Appendix K Section K.5), climate-informed project prioritization, climate performance reporting, and coordinated finance-climate governance structures—can help institutionalize resilience considerations within existing decision-making processes while improving eligibility for future climate-focused funding and financing opportunities.

Achieving this vision requires a transition from a reactive, project-by-project funding model toward a coordinated investment framework. The future funding model should enable departments to package projects around shared outcomes, leverage multiple funding sources, and align implementation with long-term climate adaptation priorities. Rather than treating climate resilience as a stand-alone initiative, adaptation investments should become integrated into infrastructure planning, budgeting, and financing processes across all participating departments.

Over time, the City should establish dedicated resilience funding mechanisms, develop climate-focused financing strategies, expand regional partnerships, and create stronger connections between planning, project development, and implementation. This evolution will improve funding efficiency while increasing Honolulu's ability to deliver large-scale adaptation investments over multiple decades.

A recurring theme throughout agency interviews was the need for a dual-track strategy. Participants consistently emphasized that One Water Honolulu should not wait for an ideal future funding structure before advancing projects. Instead, departments recommended using existing CIP programs, grant opportunities, and interdepartmental agreements to advance priority projects immediately, while simultaneously developing the governance, funding, and financing structures needed to support a more integrated One Water program over time. This "build while delivering" approach balances the need for near-term action with the long-term goal of creating a more coordinated climate resilience investment framework.

## SECTION K.5: ENHANCED CLIMATE BUDGET TAGGING AND RESILIENCE INVESTMENT TRACKING

A key component of the One Water Honolulu funding strategy revisions to the existing climate budget tagging framework. Climate budget tagging is a financial management and reporting tool that identifies, tracks, and evaluates expenditures that contribute to climate adaptation, resilience, mitigation, water security, and environmental sustainability objectives. Rather than creating new funding sources, climate tagging provides greater visibility into how existing capital, operating, and grant-funded investments support long-term resilience goals.

Although the City employs a version of climate tagging of projects, an assessment conducted to understand existing institutional barriers daylighted a tagging process that lacks clarity and thus results in the inconsistent use of tags across individual CIPs. Establishing more robust climate tagging criteria would help bridge the gap between climate planning and capital investment by creating a consistent methodology for identifying projects that advance One Water priorities. Eligible activities may include flood mitigation, watershed restoration, water reuse, green infrastructure, drought preparedness, groundwater protection, coastal resilience, wildfire mitigation, ecosystem restoration, and other projects that reduce long-term climate risk. By tracking these investments across departments, the City can better understand the scale of its resilience investments and identify opportunities for improved coordination and funding alignment.

Climate tagging can also support more informed decision-making during CIP development and budget preparation. As resilience considerations become increasingly important in infrastructure planning, climate tagging can help decision makers evaluate how proposed investments contribute to long-term adaptation objectives, identify gaps in funding, and prioritize projects that provide multiple community, environmental, and infrastructure benefits. This capability is particularly valuable for the One Water framework, where projects often generate benefits across multiple departments and service areas.

In addition to improving internal planning and transparency, climate tagging can help communicate the City's resilience investments to elected officials, funding partners, and the public, demonstrating progress towards climate and One Water objectives and building support for future investment. Many external funding programs increasingly require applicants to demonstrate climate, resilience, environmental, or community benefits. A consistent tracking framework can help quantify project outcomes, document prior investments, support benefit-cost analyses, and provide stronger justification in grant and financing applications. Climate tagging can also establish the reporting foundation necessary for future financing tools such as Green Bonds, Sustainability Bonds, and other climate-focused financing mechanisms.

Implementation of an enhanced tagging process should begin with a simple, scalable framework integrated into existing budgeting and CIP processes. Current tagging categories could be modified to

include climate adaptation, flood resilience, water resource sustainability, ecosystem restoration, greenhouse gas reduction, and community resilience. It is recommended that, regardless of the categories, each category must be accompanied by detailed definitions and that CCSR be involved in reviewing the use of the tag by each individual agency. Over time, the framework can evolve to include performance metrics, benefit tracking, funding source documentation, and resilience outcome reporting. As the One Water Honolulu program matures, climate tagging can serve as a foundational management tool that improves accountability, strengthens funding competitiveness, and supports a more coordinated approach to resilience investment across the City.

## SECTION K.6: NEAR-TERM (0–10 YEARS) FUNDING PRIORITIES

The next decade presents an opportunity to build the foundation for long-term implementation. During this period, the priority should be to increase project readiness, improving the City's ability to secure and leverage external funding while building local, sustainable financing mechanisms. At the same time, the City should continue advancing implementation-ready projects and programs that can be delivered under existing funding frameworks, allowing resilience investments to proceed while larger-scale planning, funding, and financing mechanisms are developed. Near-term investments should focus on developing area adaptation plans, advancing watershed planning and management, firehosed partnerships, sea level rise adaptation strategies—including road raising, tidal groundwater monitoring network, complete streets, and stormwater planning initiatives—and water reuse studies. Together, these activities will create a pipeline of implementation-ready projects that can compete successfully for future funding opportunities while supporting continued delivery of near-term resiliency investments under existing funding and implementation programs.

Several funding opportunities identified—including the Hawai'i Department of Health's (DOH's) Clean Water State Revolving Fund/Drinking Water State Revolving Fund (CWSRF/DWSRF), EPA, Reclamation, FEMA and other competitive federal and state programs—place substantial emphasis on project readiness, benefit-cost analysis, quantified risk reduction, and local match availability. Building these capabilities during the first implementation phase will improve Honolulu's ability to compete successfully for future external funding opportunities. In addition, many of the highest-priority One Water projects involve planning, assessment, master planning, adaptation strategies, and reuse feasibility studies. These types of projects are typically highly competitive for grant funding and serve as precursors to larger capital investments.

To support this effort, the City should establish a coordinated funding strategy that includes project tracking, climate tagging of CIP projects, grant readiness assessments, funding coordination among departments, and identification of local match resources, as discussed in the previous section and in the following section.

## SECTION K.7: FEDERAL AND STATE FUNDING OPPORTUNITIES

External funding will play an important supporting role in implementation of the One Water Honolulu Plan. While grants alone cannot fund the entirety of adaptation and infrastructure investments needed across O‘ahu, they can significantly reduce local costs, leverage ratepayer resources, and accelerate implementation when paired with local funding and financing mechanisms.

### K.7.1 FEDERAL AND STATE FUNDING OVERVIEW

The following section provides a high-level overview of the federal and state of Hawai‘i programs most closely aligned with OWH priorities. Together, these programs offer grant funding, low-interest financing, congressional appropriations, technical assistance, and partnership opportunities that can support planning, design, construction, and long-term resilience investments. Because funding availability, eligibility requirements, and agency priorities evolve over time, these opportunities should be evaluated on a project-specific basis as projects advance through planning and design.

#### K.7.1.1 CONGRESSIONAL AND SPECIAL FUNDING OPPORTUNITIES

Congressional appropriations represent an important potential funding source for implementation of high-priority One Water Honolulu projects. Opportunities include Congressional Directed Spending requests, United States Army Corps of Engineers Section 219 Environmental Infrastructure funding, and state legislative appropriations that support water, wastewater, stormwater, climate resilience, and environmental restoration initiatives. These funding mechanisms can provide direct federal or state investment in planning, design, and construction activities and may be particularly valuable for large-scale, multi-benefit projects that address regional priorities and demonstrate broad community support. Because Congressional and legislative funding decisions are often influenced by project readiness, demonstrated public benefits, and stakeholder support, maintaining a portfolio of implementation-ready projects can improve the City's ability to pursue these opportunities as they arise.

#### K.7.1.2 ENVIRONMENTAL PROTECTION AGENCY

EPA programs are among the strongest funding sources for OWH implementation. Funding opportunities support stormwater management, wastewater upgrades, water reuse, green infrastructure, watershed protection, water quality improvements, environmental justice initiatives, and climate resilience projects.

Key opportunities include the CWSRF/DWSRF, the WIFIA program, Section 319 watershed grants, and stormwater and sewer overflow programs. These funding sources are particularly well suited for multi-benefit projects that improve water quality, reduce flooding, strengthen infrastructure resilience, and support regulatory compliance.

### **K.7.1.3 UNITED STATES DEPARTMENT OF AGRICULTURE**

USDA programs are well aligned with watershed protection, wildfire resilience, forest health, groundwater recharge, erosion control, and nature-based infrastructure projects. These programs can support watershed restoration, invasive species management, wildfire fuel reduction, Community Wildfire Protection Plans, agricultural conservation, and landscape-scale resilience initiatives.

For OWH, USDA funding presents opportunities to address climate risks upstream through forest restoration, watershed stewardship, and conservation-based land management practices that improve water resources and reduce long-term flood, fire, and drought risks.

In addition, USDA Rural Development financing programs may provide funding opportunities for eligible water, wastewater, stormwater, and community infrastructure projects serving rural areas of O‘ahu; however, these programs are expected to have limited applicability to the broader One Water Honolulu program because eligibility is generally restricted to rural communities.

### **K.7.1.4 DEPARTMENT OF INTERIOR**

Reclamation and the Department of the Interior (DOI) provide significant funding opportunities for water reuse, water supply reliability, drought resilience, groundwater protection, watershed restoration, and integrated water resource management. Programs such as WaterSMART, Title XVI Water Reclamation and Reuse, Aquatic Ecosystem Restoration, and Drought Response Grants support both planning and implementation activities. These programs align particularly well with OWH projects involving recycled water expansion, groundwater recharge, watershed restoration, flood resilience, and long-term water security.

As implementation advances, Honolulu should pursue partnerships with state agencies, watershed partnerships, utilities, conservation organizations, and federal agencies to leverage DOI and Reclamation resources for projects that simultaneously advance water security, climate adaptation, watershed health, ecosystem restoration, and community resilience.

### **K.7.1.5 FEMA**

FEMA remains one of the most significant sources of adaptation and hazard mitigation funding. Programs such as Building Resilient Infrastructure and Communities (BRIC), the Hazard Mitigation Grant Program (HMGP), Pre-Disaster Mitigation Grant Program, and Flood Mitigation Assistance support projects that reduce risks associated with flooding, storm events, sea level rise, and other natural hazards. It should be noted that funding through programs like HMGP are only available following a presidentially declared disaster.

For OWH, FEMA funding is particularly applicable to flood mitigation, stormwater infrastructure, utility resilience, emergency preparedness, and community resilience projects. Many OWH projects may also support improvements in the City's National Flood Insurance Program (NFIP) Community

Rating System (CRS) score, potentially reducing flood insurance premiums for residents and businesses while providing a quantifiable community benefit.

#### **K.7.1.6 NOAA**

National Oceanic and Atmospheric Administration (NOAA) programs are closely aligned with OWH priorities related to coastal resilience, sea level rise adaptation, habitat restoration, and nature-based solutions. Funding opportunities may support shoreline adaptation, living shorelines, wetland restoration, floodplain reconnection, coral reef restoration, watershed-to-coast resilience projects, and ecosystem restoration efforts. Potential opportunities may include NOAA-funded Coastal Zone Management (CZM) initiatives, coastal resilience programs, technical assistance efforts, and other federal coastal management and habitat restoration funding opportunities that align with state and local priorities.

These programs are particularly valuable because they support both project development and implementation while emphasizing the use of natural systems to reduce flood risks, improve environmental conditions, and enhance long-term community resilience.

#### **K.7.1.7 STATE OF HAWAII**

State programs will play an increasingly important role in OWH implementation. Key opportunities include the CWSRF/DWSRF, watershed and ecosystem restoration programs administered through the Department of Land and Natural Resources (DLNR), statewide resilience initiatives, and emerging funding sources such as the Hawai'i's Green Fee. Additionally, projects that provide co-benefits in the form of the habitat conservation for native Hawaiian species can be eligible for grant programs through the National Fish and Wildlife Foundation (NFWF).

These programs align strongly with OWH priorities including water reuse, watershed protection, groundwater recharge, flood mitigation, wildfire resilience, ecosystem restoration, and climate adaptation. State funding can also provide matching resources that improve competitiveness for federal funding opportunities.

### **K.7.2 CONSIDERATIONS FOR PURSUING EXTERNAL FUNDING**

The successful pursuit of federal and state funding requires more than identifying eligible projects. Competitive applications typically demonstrate strong alignment with program objectives, financial readiness, clear public benefits, and the organizational capacity to successfully deliver and administer projects. The following considerations should guide pursuit of external funding opportunities:

- **Program Alignment and Eligibility:** Funding programs are highly competitive and designed to support specific project types and objectives. Projects should be evaluated early to ensure they align with program priorities, eligibility requirements, target populations, and geographic or service-area restrictions. Demonstrating consistency with adopted master plans, asset

management plans, resilience plans, watershed plans, and capital improvement programs can strengthen competitiveness and reinforce project needs.

- **Financial Capacity and Funding Strategy:** Successful applicants must demonstrate the financial capacity to provide local matching funds, manage reimbursement-based funding, and, where applicable, repay long-term debt obligations. Most grant programs require cost sharing, while low-interest loan programs require evidence of adequate revenue streams and financial stability. Maintaining sufficient reserves and long-term financial flexibility is essential to maximizing external funding opportunities.
- **Project Readiness and Timing:** Project readiness is one of the most important factors in funding competitiveness. Early completion of planning studies, engineering analyses, environmental documentation, permitting requirements, and financial evaluations can significantly improve funding prospects. Because many programs have limited application windows and award decisions may take a year or more, projects should be advanced well ahead of anticipated funding opportunities.
- **Environmental Review Requirements:** Environmental review requirements should be evaluated early in project development. Certain federal funding programs, including federally funded State Revolving Fund (SRF) projects, may require compliance with the National Environmental Policy Act (NEPA) in addition to the State of Hawai‘i environmental review process. Failure to identify and address these requirements early can affect project eligibility, funding availability, and schedules. Projects anticipated to pursue SRF loans or other federal funding should evaluate NEPA applicability during planning and incorporate required environmental reviews into project development schedules.
- **Demonstrable Benefits and Outcomes:** Funding agencies increasingly prioritize projects that deliver measurable public benefits. Competitive projects typically quantify outcomes such as risk reduction, flood mitigation, water savings, water quality improvements, greenhouse gas reductions, energy savings, operational efficiencies, ecosystem benefits, and benefits to disadvantaged or underserved communities. Clearly documenting these outcomes strengthens both grant applications and benefit-cost analyses.
- **Governance, Administration, and Compliance Capacity:** Funding agencies evaluate an organization's ability to successfully administer awards and comply with program requirements. Strong project management capabilities, procurement procedures, financial controls, staffing resources, and reporting systems improve confidence that projects can be delivered effectively. Federal awards often include extensive compliance requirements, including environmental review, labor standards, Buy America provisions, and ongoing reporting obligations.
- **Partnerships and Stakeholder Support:** Partnerships can significantly improve funding competitiveness by demonstrating broad community support, shared resources, regional benefits, and economies of scale. Collaborations with public agencies, utilities, watershed

organizations, nonprofits, academic institutions, and private stakeholders may strengthen applications and expand implementation capacity. Community engagement and letters of support from stakeholders and elected officials can further reinforce project value.

- **Funding Conditions and Delivery Requirements:** Applicants should carefully evaluate funding restrictions, reimbursement requirements, eligible costs, delivery method constraints, and project implementation schedules before pursuing funding opportunities. Some programs restrict activities that occur prior to award, while others may place limitations on procurement methods or project delivery approaches. Understanding these requirements early can help avoid delays and improve project execution.

### K.7.3 ONE WATER HONOLULU FEDERAL AND STATE FUNDING OPPORTUNITIES

As part of the One Water Honolulu Plan, federal and state funding programs were evaluated for their applicability to near-term projects identified through the planning process. These funding opportunities were screened based on project relevance, eligibility, competitiveness, timing, and implementation readiness to identify potential funding pathways for planning, design, and construction activities. Because funding programs, eligibility requirements, and funding priorities evolve over time, the opportunities identified in this appendix should be considered preliminary and evaluated further on a project-specific basis as projects advance through planning and design.

Current federal and state funding priorities generally align well with the goals of the Plan, particularly projects that:

- Rehabilitate and replace critical infrastructure
- Reduce risk and increase system resilience
- Implement climate adaptation and mitigation actions to reduce flooding, drought, sea level rise, and other extreme weather impacts
- Address drinking water quality and regulatory compliance, including emerging contaminants such as per- and polyfluoroalkyl substances (PFAS)
- Provide economic development and community benefits
- Energy efficiency, renewable energy integration, and utility self-sufficiency

Table K-1 provides a summary of primary external funding sources as they align with key OWH program areas.

Table K-1 Primary External Funding Sources Aligned with Key OWH Program Areas

| OWH PROGRAM AREA                    | PRIMARY FUNDING SOURCES                                                                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wastewater Treatment and Collection | CWSRF, EPA WIFIA, Congressional Directed Spending, EPA Grants, FEMA                                                                                    |
| Drinking Water Infrastructure       | DWSRF, EPA WIFIA, EPA Grants, FEMA                                                                                                                     |
| Water Reuse and Recycled Water      | Reclamation Title XVI/WIIN, CWSRF/DWSRF, FEMA                                                                                                          |
| Stormwater and Flood Management     | FEMA BRIC/HMGP/Flood Mitigation, EPA Sewer Overflow and Stormwater Reuse Municipal Grant (OSG), CWSRF                                                  |
| Watershed Restoration               | National Fish and Wildlife Foundation (NFWF), Aquatic Ecosystem Restoration Program (AERP), NOAA, EPA 319 Nonpoint Source Grants                       |
| Green Infrastructure                | CWSRF/319 Nonpoint Source, FEMA BRIC, EPA OSG                                                                                                          |
| Climate Resilience                  | FEMA BRIC/HMGP, Reclamation WaterSMART                                                                                                                 |
| Planning and Feasibility Studies    | Transit-Oriented Development (TOD) Planning Grant, Hawai'i Community Foundation (HCF) Fresh Water Initiative, Coastal Zone Management (CZM) Assistance |

State and federal funding programs identified as potential opportunities for near-term OWH projects are summarized in Tables K-6 (State Funding Matrix) and K-7 (Federal Funding Matrix) are located at the end of this appendix. The summary is intended to help the City understand federal and state programs currently available for near-term projects, prioritize near-term funding pursuits, allocate grant application resources, and identify potential funding mechanisms for future phases of implementation.

## K.7.4 MAPPING ONE WATER HONOLULU PROJECTS TO EXTERNAL FUNDING OPPORTUNITIES

As part of the funding assessment, the highest-priority near-term OWH projects were evaluated against a range of federal, state, and local/philanthropic funding programs to identify potential funding pathways and assess preliminary eligibility. The results of this screening are summarized in the CIP mapping in Table K-2, which aligns projects with funding programs based on project type, anticipated outcomes, implementation readiness, and published eligibility criteria. Projects were evaluated across major categories including stormwater and flood management, water reuse, water supply reliability, watershed restoration, green infrastructure, climate adaptation planning, transportation resilience, coastal resilience, and hazard mitigation.

The assessment found that many OWH projects align with multiple funding opportunities, reflecting the multi-benefit nature of the One Water approach. Strong alignment was identified for projects focused on water reuse and alternative water supplies, stormwater and flood resilience, watershed restoration and nature-based solutions, green infrastructure, transportation resilience, and climate adaptation planning. Several projects demonstrated eligibility across multiple grants, loan, technical assistance, and direct appropriation programs, creating opportunities to leverage and braid funding sources to support implementation. Projects that deliver multiple benefits across transportation,

water, wastewater, flood resilience, environmental restoration, and community development objectives are often better positioned to compete for funding than single-purpose projects, reinforcing the value of advancing implementation-ready, multi-benefit One Water projects early in the planning process.

The mapping exercise represents an initial screening and should not be viewed as a final funding strategy for any individual project. As projects advance through planning and design, additional evaluation will be required to confirm eligibility, assess competitiveness and project readiness, identify match requirements, and align projects with evolving funding priorities. Further refinement may also identify opportunities to package complementary projects together, improving competitiveness, maximizing external funding opportunities, and supporting implementation of larger multi-benefit investments.

APPENDIX K | FUNDING OPTIONS

Table K-2 CIP Mapping to External Funding Opportunities

LEGEND: ● Potentially Eligible ★ Future Opportunity

|                                         |                                                                                                     | NEAR TERM PROJECTS    |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   | MID TERM PROJECTS                          |                                                                    |                               |                                     |   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------|---------------------------------------------|------------------------------------------------------|------------------------|-----------------------------|-----------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------|----------------------------------------------------|------------------------------------------|---------------------------------|-----------------------------------------|------------------------|------------------------------------------------|----------------------------------------------------|-------------------------------------------|-----------------------------------------|-----------------------------------------------------------|-----------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------|-------------------------------|-------------------------------------|---|
| AGENCY                                  | FUNDING PROGRAM                                                                                     | Adapt Waikiki Phase 2 | Adapt Waikiki Phase 2 (Roadway Study Only) | Adapt Waikiki Phase 2 (Drainage Study Only) | Managed Retreat Legal and Policy Investigation Study | Stormwater Utility Fee | Iwilei Area Adaptation Plan | Road Raising Strategy | Expand Tidal Groundwater Well Monitoring Network | Ala Wai Golf Course Non-Potable Irrigation Study | Reuse Strategy for Redevelopment Areas | Ala Wai Watershed Integrated Stormwater Management | Green Infrastructure Implementation Plan | Māpunapuna Area Adaptation Plan | Onsite Stormwater Management Incentives | Stormwater Master Plan | Waimānalo Effluent R-1 Reuse Feasibility Study | Central O’ahu Water Recycling Facilities, Mīlilani | Develop Cooperative Fireshed Partnerships | NASED Regulatory Requirements for Reuse | Reuse and Potable Water Services for Whitmore Agriculture | Potable Reuse Pilot at Honouliuli | Expand Non-Potable Water to Large Parks and Water Loss Control | University Avenue Urban Complete Streets and Green Infrastructure | Beach Shower NPDES Compliance Improvements | Country Town Resilient Sidewalk & Path Improvements for Unimproved | Hale'iwa Area Adaptation Plan | Stream Restoration & Rehabilitation |   |
| Environmental Protection Agency         | Water Infrastructure Finance and Innovation Act (WIFIA)                                             | ●                     |                                            | ●                                           |                                                      |                        | ●                           |                       | ●                                                | ●                                                | ●                                      |                                                    |                                          | ●                               | ●                                       | ●                      | ●                                              |                                                    | ●                                         | ●                                       |                                                           | ●                                 | ●                                                              |                                                                   | ●                                          | ●                                                                  |                               | ●                                   | ● |
|                                         | Midsize and Large Drinking Water System Infrastructure Resilience and Sustainability Program*       |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  | ●                                      |                                                    |                                          |                                 |                                         |                        | ●                                              |                                                    |                                           |                                         |                                                           | ●                                 |                                                                |                                                                   |                                            | ●                                                                  |                               |                                     |   |
|                                         | Drinking Water System Infrastructure Resilience and Sustainability Program *                        |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  | ●                                      |                                                    |                                          |                                 |                                         |                        | ●                                              |                                                    |                                           |                                         |                                                           | ●                                 |                                                                |                                                                   |                                            | ●                                                                  |                               |                                     |   |
|                                         | Sewer Overflow and Stormwater Reuse Municipal Grants Program (OSG) *                                |                       |                                            | ●                                           |                                                      |                        |                             |                       |                                                  | ●                                                | ●                                      |                                                    |                                          |                                 |                                         | ●                      | ●                                              | ●                                                  |                                           | ●                                       |                                                           |                                   | ●                                                              |                                                                   | ●                                          |                                                                    |                               |                                     | ● |
|                                         | Region 9 Wetland Development Grants (WPDG)                                                          |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                         | Green Infrastructure Program                                                                        | ●                     |                                            | ●                                           | ●                                                    |                        | ●                           |                       | ●                                                |                                                  |                                        |                                                    |                                          |                                 |                                         |                        | ●                                              | ●                                                  | ●                                         |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
| United States Bureau of Reclamation     | WaterSMART: Title XVI Water Reclamation and Reuse*                                                  |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            | ●                                                                  |                               | ●                                   | ● |
|                                         | Desalination Grant Program*                                                                         |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                         | Environmental Water Resources Project*                                                              |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    | ●                                        |                                 |                                         | ●                      | ●                                              |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               | ●                                   |   |
|                                         | Water Supply Small Storage                                                                          |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            | ●                                                                  |                               |                                     |   |
|                                         | Large-Scale Water Recycling Program*                                                                |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            | ●                                                                  |                               | ●                                   |   |
|                                         | Aquatic Ecosystem Restoration Program (AERP) *                                                      |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         | ●                      |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                         | Drought Response Program*                                                                           |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 | ●                                       |                        | ●                                              |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               | ●                                   |   |
|                                         | Water Recycling and Desalination Planning*                                                          |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 | ●                                       | ●                      |                                                |                                                    |                                           |                                         |                                                           | ●                                 | ●                                                              |                                                                   |                                            |                                                                    |                               | ●                                   | ● |
| United States Department of Agriculture | Emergency Watershed Protection (EWP) Program                                                        |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                         | Agricultural Conservation Easement Program (ACEP): Wetland Reserve Enhancement Partnership (WREP) * |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        | ●                                              |                                                    |                                           |                                         |                                                           | ●                                 |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                         | Community Wildfire Defense Grant Program*                                                           |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                | ●                                                                 |                                            |                                                                    |                               | ●                                   |   |
|                                         | Emergency Community Water Assistance Grants in Hawai'i and Western Pacific                          |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  | ●                                      | ●                                                  |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               | ●                                   | ● |
|                                         | Water & Waste Disposal Loan & Grant Program in Hawai'i and Western Pacific                          |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  | ●                                      | ●                                                  |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            | ●                                                                  |                               |                                     |   |

APPENDIX K | FUNDING OPTIONS

|                                                        |                                                                                                                    | NEAR TERM PROJECTS    |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   | MID TERM PROJECTS                          |                                                                    |                               |                                     |   |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------|---------------------------------------------|------------------------------------------------------|------------------------|-----------------------------|-----------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------|----------------------------------------------------|------------------------------------------|---------------------------------|-----------------------------------------|------------------------|------------------------------------------------|----------------------------------------------------|-------------------------------------------|-----------------------------------------|-----------------------------------------------------------|-----------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------|-------------------------------|-------------------------------------|---|
| AGENCY                                                 | FUNDING PROGRAM                                                                                                    | Adapt Waikiki Phase 2 | Adapt Waikiki Phase 2 (Roadway Study Only) | Adapt Waikiki Phase 2 (Drainage Study Only) | Managed Retreat Legal and Policy Investigation Study | Stormwater Utility Fee | Iwilei Area Adaptation Plan | Road Raising Strategy | Expand Tidal Groundwater Well Monitoring Network | Ala Wai Golf Course Non-Potable Irrigation Study | Reuse Strategy for Redevelopment Areas | Ala Wai Watershed Integrated Stormwater Management | Green Infrastructure Implementation Plan | Māpunapuna Area Adaptation Plan | Onsite Stormwater Management Incentives | Stormwater Master Plan | Waimānalo Effluent R-1 Reuse Feasibility Study | Central Oʻahu Water Recycling Facilities, Milliani | Develop Cooperative Fireshed Partnerships | NASED Regulatory Requirements for Reuse | Reuse and Potable Water Services for Whitmore Agriculture | Potable Reuse Pilot at Honouliuli | Expand Non-Potable Water to Large Parks and Water Loss Control | University Avenue Urban Complete Streets and Green Infrastructure | Beach Shower NPDES Compliance Improvements | Country Town Resilient Sidewalk & Path Improvements for Unimproved | Haleʻiwa Area Adaptation Plan | Stream Restoration & Rehabilitation |   |
|                                                        | Water and Waste Facility Loans and Grants to Alleviate Health Risks on Tribal Lands in Hawaiʻi and Western Pacific |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  | ●                                                | ●                                      |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            | ●                                                                  |                               |                                     |   |
|                                                        | Rural Water Loan Fund (RWLF)                                                                                       |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  | ●                                                | ●                                      |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            | ●                                                                  |                               |                                     |   |
|                                                        | Rural Economic Development Loan and Grant Program                                                                  |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                                        | Conservation Innovation Grants (CIG) *                                                                             |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        | ●                                              | ●                                                  |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                                        | Community Facilities Loan                                                                                          |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                                        | Environmental Infrastructure Loans                                                                                 |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        | ●                                                  |                                          |                                 | ●                                       | ●                      |                                                |                                                    |                                           |                                         | ●                                                         |                                   | ●                                                              | ●                                                                 |                                            | ●                                                                  | ●                             | ●                                   |   |
|                                                        | Community Facilities Direct Loan & Grant Program in Hawaiʻi and Western Pacific                                    |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
| Federal Emergency Management Agency                    | Safeguarding Tomorrow Revolving Loan Fund (RLF)                                                                    |                       |                                            |                                             |                                                      |                        | ●                           | ●                     | ●                                                | ●                                                | ●                                      | ●                                                  |                                          |                                 |                                         | ●                      | ●                                              | ●                                                  |                                           |                                         |                                                           |                                   |                                                                | ●                                                                 |                                            |                                                                    |                               | ●                                   |   |
|                                                        | Pre-Disaster Mitigation Grant Program (PDM)                                                                        | ●                     |                                            |                                             | ●                                                    |                        | ●                           | ●                     | ●                                                | ●                                                |                                        |                                                    |                                          | ●                               |                                         | ●                      | ●                                              | ●                                                  |                                           | ●                                       |                                                           |                                   |                                                                | ●                                                                 |                                            |                                                                    |                               | ●                                   |   |
|                                                        | Public Assistance Program (PAP) *                                                                                  |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               | ●                                   | ● |
|                                                        | Hazard Mitigation Grant Program (HMGP) *                                                                           | ●                     | ●                                          | ●                                           |                                                      |                        | ●                           | ●                     | ●                                                | ●                                                | ●                                      | ●                                                  |                                          | ●                               | ●                                       | ●                      | ●                                              |                                                    |                                           | ●                                       |                                                           | ●                                 | ●                                                              | ●                                                                 |                                            | ●                                                                  | ●                             | ●                                   | ● |
|                                                        | Flood Mitigation Assistance Grant Program (FMA)                                                                    | ●                     |                                            | ●                                           |                                                      |                        | ●                           |                       | ●                                                | ●                                                | ●                                      |                                                    |                                          |                                 |                                         | ●                      | ●                                              | ●                                                  |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                                        | Building Resilient Infrastructure and Communities (BRIC)                                                           |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               | ●                                   |   |
| United States Dept of Transportation                   | Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation Program (PROTECT)     | ●                     | ●                                          |                                             |                                                      |                        | ●                           | ●                     |                                                  | ●                                                |                                        | ●                                                  |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                                        | Safe Streets and Roads for All (SS4A)                                                                              | ●                     | ●                                          |                                             |                                                      |                        | ●                           | ●                     |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                                        | Better Utilizing Investments to Leverage Development (BUILD) Grant Program*                                        | ●                     | ●                                          |                                             |                                                      |                        | ●                           | ●                     |                                                  | ●                                                |                                        | ●                                                  |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                                        | Community Development Block Grant (CBDG) Disaster Recovery                                                         |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                | ●                                                                 |                                            | ●                                                                  |                               |                                     |   |
| US Dept of Housing and Urban Development               | Section 108 Loan Guarantee Program Overview                                                                        |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          | ●                               | ●                                       |                        |                                                |                                                    |                                           | ●                                       |                                                           | ●                                 | ●                                                              |                                                                   | ●                                          | ●                                                                  | ●                             | ●                                   |   |
| National Fish and Wildlife Foundation                  | America's Ecosystem Restoration Initiative*                                                                        |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         | ●                      |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
| National Oceanic and Atmospheric Administration (NOAA) | Effects of Sea Level Rise                                                                                          | ●                     | ●                                          | ●                                           | ●                                                    |                        | ●                           |                       |                                                  |                                                  |                                        |                                                    | ●                                        |                                 |                                         |                        | ●                                              | ●                                                  |                                           | ●                                       |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |

APPENDIX K | FUNDING OPTIONS

|                                                               |                                                                        | NEAR TERM PROJECTS    |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   | MID TERM PROJECTS                          |                                                                    |                               |                                     |   |
|---------------------------------------------------------------|------------------------------------------------------------------------|-----------------------|--------------------------------------------|---------------------------------------------|------------------------------------------------------|------------------------|-----------------------------|-----------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------|----------------------------------------------------|------------------------------------------|---------------------------------|-----------------------------------------|------------------------|------------------------------------------------|----------------------------------------------------|-------------------------------------------|-----------------------------------------|-----------------------------------------------------------|-----------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------|-------------------------------|-------------------------------------|---|
| AGENCY                                                        | FUNDING PROGRAM                                                        | Adapt Waikiki Phase 2 | Adapt Waikiki Phase 2 (Roadway Study Only) | Adapt Waikiki Phase 2 (Drainage Study Only) | Managed Retreat Legal and Policy Investigation Study | Stormwater Utility Fee | Iwilei Area Adaptation Plan | Road Raising Strategy | Expand Tidal Groundwater Well Monitoring Network | Ala Wai Golf Course Non-Potable Irrigation Study | Reuse Strategy for Redevelopment Areas | Ala Wai Watershed Integrated Stormwater Management | Green Infrastructure Implementation Plan | Māpunapuna Area Adaptation Plan | Onsite Stormwater Management Incentives | Stormwater Master Plan | Waimānalo Effluent R-1 Reuse Feasibility Study | Central O'ahu Water Recycling Facilities, Miliiani | Develop Cooperative Fireshed Partnerships | NASED Regulatory Requirements for Reuse | Reuse and Potable Water Services for Whitmore Agriculture | Potable Reuse Pilot at Honouliuli | Expand Non-Potable Water to Large Parks and Water Loss Control | University Avenue Urban Complete Streets and Green Infrastructure | Beach Shower NPDES Compliance Improvements | Country Town Resilient Sidewalk & Path Improvements for Unimproved | Hale'iwa Area Adaptation Plan | Stream Restoration & Rehabilitation |   |
| US Army Corp of Engineers                                     | Section 219:Environmental Infrastructure*                              |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   | ●                                          | ●                                                                  | ●                             |                                     |   |
| State of Hawai'i Department of Health                         | Clean Water State Revolving Fund (CWSRF)                               |                       |                                            |                                             |                                                      |                        | ●                           |                       | ●                                                | ●                                                | ●                                      |                                                    | ●                                        | ●                               | ●                                       | ●                      | ●                                              | ●                                                  |                                           | ●                                       |                                                           | ●                                 | ●                                                              |                                                                   | ●                                          |                                                                    | ●                             | ●                                   | ● |
|                                                               | Drinking Water State Revolving Fund (DWSRF)                            |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            | ●                                                                  |                               |                                     |   |
|                                                               | Polluted Runoff Control Program: 319(h) Non-Point Source (NPS) Grants* |                       |                                            |                                             |                                                      |                        | ●                           |                       | ●                                                |                                                  | ●                                      |                                                    |                                          |                                 |                                         | ●                      | ●                                              |                                                    | ●                                         |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
| State Hawai'i Office of Planning and Sustainable Development  | Hawai'i Coastal Zone Management Program                                | ●                     |                                            |                                             | ●                                                    |                        | ●                           |                       |                                                  | ●                                                |                                        |                                                    | ●                                        |                                 |                                         | ●                      |                                                | ●                                                  |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
|                                                               | State TOD Planning Grants*                                             | ●                     | ●                                          | ●                                           | ●                                                    |                        | ●                           | ●                     |                                                  |                                                  |                                        | ●                                                  |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
| City and County of Honolulu: Department of Community Services | Community Development Block Grant (CDBG) Program*                      | ●                     | ●                                          | ●                                           |                                                      |                        | ●                           | ●                     | ●                                                | ●                                                | ●                                      | ●                                                  |                                          | ●                               | ●                                       | ●                      | ●                                              | ●                                                  |                                           | ●                                       |                                                           | ●                                 | ●                                                              | ●                                                                 | ●                                          | ●                                                                  | ●                             | ●                                   | ● |
| Hawai'i Office of Community Services (OCS)                    | Capital Improvement Projects Grants in Aid*                            |                       |                                            |                                             | ●                                                    |                        | ●                           | ●                     | ●                                                |                                                  | ●                                      | ●                                                  |                                          |                                 |                                         |                        |                                                |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   | ●                                          | ●                                                                  |                               | ●                                   | ● |
| University of Hawai'i & NOAA                                  | Sea Grants*                                                            | ●                     | ●                                          | ●                                           | ●                                                    |                        | ●                           | ●                     | ●                                                |                                                  |                                        |                                                    | ●                                        |                                 |                                         | ●                      | ●                                              | ●                                                  |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
| National Wildlife Foundation (NFWF)                           | Hawai'i Conservation Program                                           | ●                     |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    |                                          |                                 |                                         | ●                      | ●                                              |                                                    |                                           |                                         |                                                           |                                   |                                                                |                                                                   |                                            |                                                                    |                               |                                     |   |
| Hawai'i Community Foundation (HCF)                            | Fresh Water Initiative: Water Conservation, Recharge, and Reuse Grants |                       |                                            |                                             |                                                      |                        |                             |                       |                                                  |                                                  |                                        |                                                    | ●                                        | ●                               | ●                                       | ●                      |                                                |                                                    |                                           |                                         |                                                           | ●                                 | ●                                                              |                                                                   |                                            | ●                                                                  | ●                             | ●                                   | ● |
| Hawai'i State Legislature                                     | Legislator Sponsored Bills*                                            | ●                     | ●                                          | ●                                           | ●                                                    |                        | ●                           | ●                     | ●                                                | ●                                                | ●                                      | ●                                                  | ●                                        | ●                               | ●                                       | ●                      | ●                                              | ●                                                  |                                           | ●                                       |                                                           | ●                                 | ●                                                              | ●                                                                 | ●                                          | ●                                                                  | ●                             | ●                                   | ● |
| United States Congress                                        | Congressional Directed Spending*                                       | ●                     | ●                                          | ●                                           | ●                                                    |                        | ●                           | ●                     | ●                                                | ●                                                | ●                                      | ●                                                  | ●                                        | ●                               | ●                                       | ●                      | ●                                              | ●                                                  |                                           | ●                                       |                                                           | ●                                 | ●                                                              | ●                                                                 | ●                                          | ●                                                                  | ●                             | ●                                   | ● |

General Comment:

1. To pursue EPA WIFIA (Planning/Design or Construction) funding the total project costs must be at least \$20 M in total project cost. Projects can be packaged.
2. For the EPA Drinking Water System Infrastructure Resilience and Sustainability Program projects that involve stormwater management, watershed management, and green infrastructure, projects must clearly demonstrate that they protect drinking water supplies against natural hazards, extreme weather, or cybersecurity threats.
3. HI Capital Improvement Projects Grants in Aid are currently prioritizing infrastructure projects; specifically high visibility projects.
4. While FEMA Guidance documents deem planning and study-based activities as eligible through BRIC program; current administrative priorities focus on implementation projects.
5. Reclamation’s Drought Response Program can fund stream restoration projects, but these projects must be tied to formal drought planning.
6. Mid-term Projects that begin prior to 2035 were also included in this analysis.

## K.7.5 OVERALL FUNDING STRATEGY

*The funding programs described above identify potential external funding sources available to support OWH implementation. This section builds upon that discussion by applying those funding opportunities to specific project categories and implementation priorities identified through the planning process. Rather than introducing new funding programs, the intent is to illustrate how identified funding sources may align with different types of OWH projects and where opportunities exist to leverage multiple funding mechanisms.*

The recommended funding strategy for the Plan is a layered approach that combines low-interest infrastructure financing with targeted grant opportunities. Given the breadth of projects anticipated under the OWH Program—including water supply, wastewater, recycled water, stormwater, watershed restoration, flood resilience, and ecosystem enhancement—no single funding source is expected to meet all program needs. Instead, successful implementation will likely require strategic packaging of projects to align with multiple funding programs and priorities.

At a programmatic level, SRF programs and the U.S. Environmental Protection Agency’s WIFIA program represent important financing tools that may support eligible large-scale capital investments, alongside local funding mechanisms such as utility revenues, CIP funding, bonds (General Obligation, Revenue, Green and other), in addition to local financing mechanisms. These programs provide long-term, low-interest financing for drinking water, wastewater, stormwater, water reuse, and resilience-related infrastructure and are among the most reliable and substantial sources of funding available to local governments. Honolulu is anticipated to receive approximately \$35 million in FY 2026 CWSRF funding and approximately \$10 million in DWSRF funding, making these programs particularly attractive for implementation of priority projects.

Funding availability, project eligibility, and departmental capital priorities will ultimately influence how individual OWH projects are financed. Accordingly, implementation should remain flexible and pursue a diversified funding portfolio that combines local revenues, financing tools, and grant opportunities to advance OWH objectives.

### K.7.5.1 WATER REUSE AND WATER SUPPLY RELIABILITY

Water reuse and alternative water supply development are among the strongest areas of alignment between OWH projects and current federal funding priorities. Several Reclamation WaterSMART programs are specifically tailored to these objectives. The Title XVI Water Reclamation and Reuse Program, Large-Scale Water Recycling Program, and Water Recycling and Desalination Planning Grants support planning, design, and construction of recycled water infrastructure, groundwater recharge projects, and water supply diversification initiatives. These programs provide significant opportunities for implementation of OWH projects intended to improve long-term water security and drought resilience.

At the local level, the Hawai'i Community Foundation (HCF) Fresh Water Initiative may provide supplemental funding for water conservation, recharge, reuse, and demand reduction programs. While comparatively smaller in scale, these grants may be particularly useful for pilot studies, planning activities, and demonstration projects that support long-term implementation goals.

#### **K.7.5.2 RESILIENCE, STORMWATER, AND FLOOD MITIGATION**

Many OWH projects provide resilience benefits by reducing flood risk, improving system redundancy, and protecting critical assets from climate-related hazards. These project types are highly competitive under FEMA's BRIC and HMGP. Both programs support planning and implementation of infrastructure improvements that mitigate future disaster impacts and improve community resilience. Eligible projects include drainage improvements, stormwater detention and conveyance facilities, floodplain restoration, utility hardening, backup power systems, and green infrastructure. The current administration's emphasis is on construction funding.

Additional opportunities may be available through EPA's Sewer Overflow and Stormwater Reuse Municipal Grants (OSG) Program, which supports collection system improvements, reduction of inflow and infiltration, green stormwater infrastructure, and sewer overflow prevention projects. These funding opportunities align closely with OWH goals related to integrated stormwater management and watershed protection.

#### **K.7.5.3 WATERSHED RESTORATION AND NATURE-BASED SOLUTIONS**

The Plan includes projects intended to improve watershed health, protect natural resources, and utilize nature-based solutions to improve water quality and climate resilience. Multiple federal and state grant programs support these objectives.

The EPA Section 319 Nonpoint Source Program, National Fish and Wildlife Foundation (NFWF) programs, NOAA Coastal Resilience Grants, NOAA Effects of Sea Level Rise Grant, and Bureau of Reclamation Aquatic Ecosystem Restoration Program (AERP) all provide funding opportunities for watershed restoration, riparian enhancement, wetland restoration, stream rehabilitation, erosion control, groundwater recharge, and habitat improvement projects. These grant programs can help fund projects that provide both environmental benefits and water-management functions, supporting OWH's integrated One Water approach.

#### **K.7.5.4 CLIMATE ADAPTATION PLANNING, STUDIES, AND PROJECT DEVELOPMENT**

Several programs are available to support early-stage planning and project development activities. State Transit-Oriented Development (TOD) Planning Grants, EPA Wetland Program Development Grants, Hawai'i Coastal Zone Management (CZM) technical assistance, and HCF funding opportunities may support feasibility studies, environmental review, watershed planning, conceptual design, and stakeholder engagement activities. These resources can assist the City in advancing projects to a level of readiness that improves competitiveness for future construction funding.

#### **K.7.5.5 CORE INFRASTRUCTURE FUNDING**

For major wastewater, stormwater, and conveyance improvements, the CWSRF program should serve as the primary financing tool. Eligible activities include wastewater treatment facilities, collection systems, stormwater management projects, green infrastructure, watershed protection activities, and water quality improvement projects. The program offers low-interest financing with repayment periods of up to 30 years and can finance a significant portion of project costs.

Similarly, the DWSRF program should be prioritized for water supply improvements, treatment facilities, storage, transmission infrastructure, source development, and potable reuse projects. The program also supports projects addressing emerging contaminants, including PFAS, which is an increasing regulatory focus nationwide. Project sponsors should recognize that SRF-funded projects may be subject to federal environmental review requirements and other federal cross-cutting authorities. Early coordination with funding agencies and incorporation of environmental review activities into project development schedules can help avoid delays and maintain funding eligibility.

For larger regional projects, particularly those exceeding \$20 million in total project cost, EPA's WIFIA program may provide substantial financing support. WIFIA can fund up to 49 percent of eligible project costs with flexible repayment terms extending up to 35 years. Potential OWH applications include large-scale recycled water systems, integrated stormwater management programs, treatment facility expansions, and resilience-focused infrastructure projects.

For transportation and roadway resilience projects, including Complete Streets, roadway elevation, multimodal corridor improvements, and transportation adaptation projects, funding opportunities may also be available through U.S. Department of Transportation (USDOT) programs. Potential funding sources include the BUILD, PROTECT, and Safe Streets and Roads for All (SS4A) programs, which support infrastructure improvements that enhance safety, resilience, mobility, and adaptation to climate-related hazards.

#### **K.7.5.6 FUNDING PATHWAYS BY PROJECT TYPE**

Rather than presenting funding programs as a standalone funding exercise, funding pathways should be linked directly to implementation priorities identified in the Plan (Table K-3). Water reuse projects including Honouliuli, Waimānalo, Whitmore, and NASED align strongly with Reclamation WaterSMART and Title XVI programs, as well as SRF and WIFIA financing opportunities. Similarly, stormwater and flood resilience projects such as the Stormwater Master Plan, Iwilei Drainage Improvements, Mapunapuna Flood Improvements, and Ala Wai initiatives align closely with CWSRF financing, FEMA resilience programs, and EPA stormwater grants.

Projects focused on watershed restoration and nature-based solutions, including Kahawai Stream Restoration, regional stream restoration efforts, and Fireshed Partnerships, are particularly well positioned for NOAA, National Fish and Wildlife Foundation, EPA 319e, and Aquatic Ecosystem Restoration Program funding opportunities. Climate adaptation planning projects such as Adapt

Waikiki, Area Adaptation Plans, and the Managed Retreat Study are among the strongest candidates for FEMA, NOAA, State resilience funding programs, and Climate Resiliency Fund support because they improve project readiness and establish the technical foundation for future capital investments. Table K-4 provides an example of how potential federal and state funding programs can provide pathways to funding across planning, design and construction.

Table K-3 Funding Pathways by Project Type

| PROJECT TYPE                    | FUNDING PATHWAYS                                                                                                                                                        | PROJECTS                                                                                                                      |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Water Reuse Projects            | <ul style="list-style-type: none"> <li>Reclamation WaterSMART Title XVI</li> <li>DOH CWSRF / DWSRF</li> <li>EPA WIFIA</li> <li>USDA (pending community size)</li> </ul> | <ul style="list-style-type: none"> <li>Honouliuli</li> <li>Waimānalo</li> <li>Whitmore</li> <li>NASED</li> </ul>              |
| Stormwater and Flood Resiliency | <ul style="list-style-type: none"> <li>CWSRF</li> <li>FEMA BRIC / HMGP</li> <li>EPA OSG</li> <li>USDA (pending community size)</li> </ul>                               | <ul style="list-style-type: none"> <li>Stormwater Master Plan</li> <li>Iwilei</li> <li>Māpunapuna</li> <li>Ala Wai</li> </ul> |
| Watershed Restoration           | <ul style="list-style-type: none"> <li>NOAA</li> <li>NFWF</li> <li>EPA Non-Point Source</li> <li>AERP</li> </ul>                                                        | <ul style="list-style-type: none"> <li>Kahawai Stream</li> <li>Stream Restoration</li> <li>Fireshed Partnerships</li> </ul>   |
| Climate Adaptation Planning     | <ul style="list-style-type: none"> <li>FEMA</li> <li>NOAA</li> <li>State Resiliency Programs</li> <li>Climate Resiliency Fund</li> </ul>                                | <ul style="list-style-type: none"> <li>Adapt Waikiki</li> <li>Area Adaptation Plans</li> <li>Managed Retreat Study</li> </ul> |

Table K-4 Illustrative Funding Pathways Across Project Development Phases

| PROJECT                       | NEAR-TERM FUNDING                     | MID-TERM FUNDING                        | LONG-TERM FUNDING                 |
|-------------------------------|---------------------------------------|-----------------------------------------|-----------------------------------|
| Stormwater Master Plan        | General Fund, Climate Resiliency Fund | DOH CWSRF, EPA OSG                      | Stormwater Utility Fee            |
| Adapt Waikiki                 | FEMA, NOAA                            | FEMA BRIC, HMGP                         | Dedicated Resiliency Funding      |
| Reuse Projects                | WaterSMART                            | DOH CWSRF, WIFIA Reclamation            | Utility Revenue                   |
| Mapunapuna Flood Improvements | FEMA Planning                         | FEMA BRIC, HMGP                         | Bonds + CIP Funding               |
| Kahawai Stream Restoration    | NOAA, NFWF Planning                   | Reclamation, EPA Non-Point Source, AERP | CIP Funding and Watershed Funding |

## K.7.6 NEAR-TERM FUNDING AND PROJECT READINESS PRIORITIES FOR OWH IMPLEMENTATION

Based on the review of available programs, the strongest near-term funding opportunities for OWH implementation are:

- **Hawai‘i DOH CWSRF** for wastewater, stormwater, and water quality projects
- **DWSRF** for drinking water, source development, and potable reuse projects
- **EPA WIFIA** for large-scale capital programs
- **Reclamation WaterSMART programs** for water reuse, recharge, storage, and supply diversification projects
- **FEMA BRIC and HMGP** for resilience and flood mitigation projects
- **EPA Section 319, AERP, NOAA, and NFWF programs** for watershed restoration and nature-based solutions
- **Congressional Directed Spending and Section 219 funding** for regionally significant infrastructure projects

Collectively, these programs provide a robust framework for funding planning, design, and construction activities associated with the One Water Honolulu Plan. By strategically aligning projects with prevailing funding priorities and maintaining a high level of project readiness, the City can maximize opportunities to leverage external funding sources and reduce the long-term financial burden on ratepayers while advancing O‘ahu's water resilience, environmental sustainability, and infrastructure reliability goals.

## K.7.7 ALIGNING OWH PROJECTS WITH FUNDING PRIORITIES

To maximize competitiveness for federal and state funding programs, OWH projects should be developed and presented in a manner that aligns with prevailing funding priorities. Successful funding applications typically demonstrate multiple benefits, including infrastructure reliability, regulatory compliance, risk reduction, climate resilience, water supply security, environmental enhancement, and community benefit. As projects advance, the City should document these benefits through planning studies, technical analyses, and stakeholder engagement efforts. Maintaining a portfolio of well-defined, environmentally cleared, and implementation-ready projects will improve the City's ability to respond to future funding opportunities and leverage external funding sources as program priorities evolve.

To position projects for future funding opportunities, the City should:

1. Maintain updated planning documents, master plans, and capital improvement programs.
2. Advance priority projects to at least conceptual or preliminary design.

3. Complete environmental review and permitting early where feasible.
4. Develop benefit-cost analyses for resilience projects.
5. Quantify community, environmental, and climate benefits.
6. Establish project partnerships with agencies, nonprofits, watershed groups, and academic institutions.
7. Monitor annual funding cycles and adjust project packaging to reflect current priorities.
8. Maintain a portfolio of "shovel-ready" projects that can quickly respond to emerging funding opportunities.
9. Engage with the public in the development of project concepts and design.
10. Seek opportunities to bundle projects where it is feasible to improve competitiveness and increase the ability to deliver multi-benefit projects.

## SECTION K.8: BUILDING SUSTAINABLE FUNDING SOURCES FOR LONG-TERM RESILIENCE

While grants and traditional capital funding programs will continue to play an important role in advancing One Water Honolulu projects, long-term implementation will ultimately require dedicated and predictable local revenue streams. Climate adaptation is not a one-time investment; it is an ongoing commitment that will require sustained funding over multiple decades as climate conditions evolve and infrastructure needs change. As such, Honolulu should pursue revenue mechanisms that provide stable funding while reducing reliance on annual appropriations and competitive grant programs. As discussed, the City already relies on several well-established financing mechanisms to fund water, wastewater, and infrastructure.

The most practical near-term opportunities build on these existing structures, whereas many innovative financing approaches evaluated by CCSR may require governance changes, new authorities or significant institutional capacity (e.g., County Council action, state enabling legislation, voter approval, charter amendments, or creation of entirely new administrative structures) thereby impacting implementation feasibility. The City should pursue a phased implementation strategy that prioritizes mechanisms that can be operationalized within existing governance frameworks while continuing to evaluate longer-term legislative and policy reforms necessary to expand local funding capacity.

## K.8.1 POTENTIAL FINANCING MECHANISMS

Several financing mechanisms were identified as promising but would require new governance structures, legislative action, improved climate reporting, or expanded institutional capacity before implementation.

### K.8.1.1 TRADITIONAL FINANCING TOOLS

As discussed, the City currently relies on traditional funding sources such as General Fund appropriations, CIP funding, General Obligation (GO) Bonds, utility revenues, state appropriations, federal grants, and agency-specific funding programs. While these mechanisms have successfully funded infrastructure projects and regulatory compliance activities, they were not designed to support the integrated, multi-benefit investments envisioned under the One Water framework. As adaptation needs grow, the City will increasingly need to supplement traditional funding sources with financing tools capable of supporting large-scale infrastructure investments. Financing allows the City to accelerate implementation of critical projects while spreading costs across the useful life of the assets being constructed.

#### K.8.1.1.1 GENERAL OBLIGATION BONDS

GO Bonds will remain a cornerstone of Honolulu's infrastructure financing strategy. GO bonds provide access to low-cost capital and are well suited for major public infrastructure investments that generate broad community benefits. Climate adaptation projects including drainage improvements, coastal protection systems, transportation resilience projects, and public facility upgrades can continue to be financed through existing bond programs.

#### K.8.1.1.2 GREEN BONDS

As climate adaptation investments become a larger component of the City's capital program, Honolulu should explore development of a Green Bond framework. Green Bonds function similarly to traditional municipal bonds but allow the City to formally identify, track, and report investments that deliver measurable environmental and climate outcomes. Eligible initiatives could include water reuse systems, green stormwater infrastructure, watershed restoration, flood mitigation projects, resilience-focused infrastructure upgrades, and other One Water investments.

Green Bond expansion represents one of the strongest financing opportunities available to Honolulu because it builds upon existing municipal financing practices while strengthening alignment between capital investments and long-term resilience objectives. As investor demand for environmentally focused investments continues to grow, Green Bonds may provide access to a broader pool of investors while enhancing transparency regarding the environmental benefits generated through capital spending. A critical prerequisite to future Green Bond issuance will be the establishment of climate expenditure tracking and climate tagging within the CIP. Climate tagging can help identify qualifying projects, support reporting and transparency requirements, demonstrate environmental outcomes to investors, and create consistency between project selection, funding allocation, and

resilience objectives. Because many One Water projects generate measurable environmental, water resource, and resilience benefits, Green Bonds provide a natural financing framework for future implementation.

#### **K.8.1.1.3 SUSTAINABILITY AND SOCIAL BONDS**

Over time, Honolulu may also evaluate Sustainability Bonds and Social Bonds that recognize both environmental and community resilience outcomes, particularly for projects that address flood risk, environmental justice, public health, affordable housing resilience, and community adaptation needs. Many One Water projects address flood risk, public health, environmental justice, and infrastructure resilience simultaneously, potentially positioning future capital programs to benefit from broader sustainable finance markets. Successful implementation would require robust climate performance metrics, cross-departmental accountability systems, and ongoing climate reporting capabilities.

#### **K.8.1.2 STORMWATER UTILITY FEE**

One potential long-term funding opportunity identified in support of projects in the One Water Honolulu Plan is the establishment of a Stormwater Utility Fee. Widely used by communities across the United States, stormwater utility fees provide a dedicated funding source for drainage infrastructure, flood mitigation, water quality improvements, watershed management, green infrastructure, and regulatory compliance activities. Because fees are typically based on the amount of impervious surface that generates runoff, they establish a direct connection between those contributing to stormwater impacts and the services required to manage them.

The City has already completed the O'ahu Storm Water Utility Feasibility Study (December 2020; updated November 2021) that found a utility could provide stable, predictable funding to address growing challenges associated with flooding, aging stormwater infrastructure, water quality protection, climate change, and increasingly stringent stormwater regulations. A dedicated utility would create one of the few locally controlled and sustainable revenue sources available to support both ongoing operations and maintenance and long-term capital investments. The feasibility study also found that the City's current stormwater program is constrained by its reliance on annual General Fund appropriations, which can limit long-term planning, contribute to maintenance backlogs, constrain staffing resources, and reduce the City's ability to consistently fund capital improvements. Establishing a dedicated utility would provide greater funding certainty and support more strategic, multi-year investment decisions while improving the City's ability to leverage external funding opportunities.

A stormwater utility aligns particularly well with One Water objectives because revenues can support multi-benefit projects that improve flood resilience, watershed health, water quality, green infrastructure, groundwater recharge, and climate adaptation outcomes. As climate risks increase, these investments are expected to provide benefits across multiple departments and community priorities while helping reduce long-term infrastructure and environmental costs. The revenue stream could also provide local matching funds for state and federal grants and support financing for

larger resilience projects. Dedicated revenues may also improve the City's competitiveness for external funding by demonstrating a stable local funding commitment, a factor often considered in state and federal grant programs. Consistent revenue generation can further strengthen the City's ability to secure debt financing for major capital projects by providing an identifiable repayment source for long-term investments

Peer communities offer several important lessons. Successful utilities typically pair fee implementation with strong public outreach, transparent reporting on how revenues are spent, and visible community benefits such as flood reduction, drainage improvements, and watershed restoration. Many also incorporate customer credit programs that reward property owners for implementing green infrastructure practices that reduce runoff, while affordability and hardship provisions help address equity concerns.

While the stormwater utility represents one of the most actionable long-term funding mechanisms available to Honolulu, implementation will require careful consideration of policy questions regarding revenue neutrality and the relationship between any future utility fee and existing General Fund support for stormwater services. The feasibility study identified this issue as an important topic for future policy discussion and stakeholder engagement. Implementation will require careful consideration of legal authority, rate design, administrative requirements, public acceptance, and equity impacts. Development of parcel-level impervious surface mapping, customer credit programs, and affordability measures will be important components of a successful program. A phased implementation approach that includes refinement of parcel-level impervious surface mapping, development of billing and customer service systems, establishment of appeals, affordability and credit program policies, stakeholder engagement, and public education can help build support while positioning the utility as a long-term watershed and resilience investment program that advances the goals of OWH. Continued emphasis on transparency, performance reporting, and clear communication regarding how revenues will be invested will also be important factors in building public trust and support for implementation.

### **K.8.1.3 CLIMATE RESILIENCY FUND**

The Climate Resiliency Fund (CRF), one of the City's primary dedicated funding sources for climate adaptation and resilience initiatives, was established to support climate mitigation and adaptation activities, resilience investments, flood mitigation efforts, green infrastructure, and other projects that help reduce long-term environmental, economic, and community risks associated with climate change. The CRF currently receives approximately \$8 million annually through a dedicated real property tax allocation and represents an important foundation upon which future resilience financing strategies can be built.

Stakeholder discussions identified several important limitations that currently impede incorporating the CRF into the broader One Water funding strategy. While the fund represents an important source of resilience investment, its annual funding capacity is relatively modest compared to the scale of

infrastructure, watershed, water reuse, and climate adaptation investments envisioned under the One Water Honolulu Plan. In addition, CRF is currently restricted to City department-led projects and is not structured to directly fund external partners, subgrant programs, or major capital improvement projects. Projects must typically demonstrate implementation readiness, leverage existing procurement mechanisms, and generally be completed within approximately 36 months, limiting its applicability for large-scale, multi-phase infrastructure investments.

The fund is funded through the City's annual budget cycle and is subject to fiscal review, mayoral recommendation, Council approval, and procurement requirements, which can create implementation timelines that may not always align with project needs or external grant schedules. As a result, while the CRF can play a catalytic role, it should be viewed as a longer term tool of a diversified funding portfolio rather than a primary source of long-term funding for One Water implementation.

Rather than creating entirely new funding structures, Honolulu may want to evaluate opportunities to maximize and strategically leverage existing programs such as the CRF. The fund can serve as an important bridge between annual appropriations, external grant opportunities, and long-term financing strategies by supporting project development activities, pilot projects, planning initiatives, local match requirements, and priority resilience investments that may not readily align with traditional departmental funding programs. For the OWH initiative, the fund may provide opportunities to advance resilience planning, flood mitigation activities, green infrastructure pilot projects, educational initiatives, and other City-led efforts that support implementation of OWH objectives. Such an approach would improve transparency regarding resilience expenditures, strengthen accountability for climate outcomes, and help institutionalize climate adaptation as a routine component of capital planning, budgeting, and infrastructure investment decisions.

As implementation progresses, the City should also evaluate opportunities to better integrate the CRF with grant development, local match strategies, project readiness efforts, and future funding mechanisms such as stormwater utility revenues, Green Bonds, state resilience programs, and federal adaptation funding. However, achieving the long-term vision of OWH will ultimately require a broader suite of funding and financing tools that complement the CRF and provide sustainable support for both resilience projects and the long-term programs needed to maintain them.

#### **K.8.1.4 TOURISM AND VISITOR-BASED REVENUES**

O'ahu's economy depends heavily on natural resources, beaches, watersheds, recreational amenities, and resilient public infrastructure. Visitors benefit directly from these assets, making tourism-related revenues a potential source of support for resilience investments. Dedicated funding from visitor-based revenue streams could help support watershed protection, coastal resilience projects, public access improvements, and ecosystem restoration efforts that preserve the natural and cultural resources that contribute to O'ahu's economic vitality.

Other communities across the United States have explored visitor-based funding mechanisms such as hotel and lodging taxes, tourism development fees, environmental stewardship fees, cruise passenger fees, and other visitor impact charges. These approaches are based on a simple premise: visitors benefit from healthy beaches, clean water, maintained public spaces, and resilient infrastructure, and therefore can contribute to the costs of maintaining them. Examples include the use of lodging and tourism taxes to fund conservation programs, beach nourishment, natural resource management, and climate resilience efforts, as well as passenger and port-related fees that help offset environmental management and infrastructure costs associated with tourism.

For Honolulu, opportunities could include directing a portion of existing or future visitor-generated revenues toward watershed restoration, green infrastructure, flood mitigation, stream restoration, coastal resilience, and water quality improvement projects. Additional opportunities may exist through partnerships with the tourism industry, resorts, philanthropic organizations, and other private-sector stakeholders that have a vested interest in maintaining the environmental resources that support the visitor economy. Because beaches, streams, reefs, coastal waters, and open spaces require ongoing investment and stewardship, visitor-based revenues could help broaden the funding base beyond local ratepayers and taxpayers.

Any new visitor-based funding approach would require careful evaluation of legal authority, economic impacts, administrative considerations, and stakeholder support. However, these mechanisms may offer an opportunity to diversify funding sources while better aligning environmental and resilience investments with the broader community of residents and visitors who benefit from O‘ahu’s natural resources.

#### **K.8.1.5 WATERSHED AND ENVIRONMENTAL STEWARDSHIP FUNDING**

Healthy watersheds provide a wide range of benefits including groundwater recharge, flood mitigation, habitat protection, wildfire risk reduction, and water quality improvement. Dedicated watershed protection funding could support forest restoration, invasive species management, wildfire prevention programs, and groundwater recharge initiatives that reduce long-term infrastructure costs while improving environmental resilience. Potential funding approaches include watershed stewardship fees, dedicated conservation surcharges, environmental impact fees, payments for ecosystem services programs, visitor-supported environmental stewardship funds, public-private partnerships, philanthropic investment, and voluntary conservation contribution programs. These mechanisms are increasingly being used to recognize the economic value of healthy watersheds and to provide sustainable funding for natural infrastructure that supports water supply reliability, flood resilience, and ecosystem health.

#### **K.8.1.6 PUBLIC PRIVATE PARTNERSHIPS**

Public-Private Partnerships (P3s) represent a potential financing and project delivery mechanism for selected One Water Honolulu initiatives where private-sector expertise, innovation, capital

investment, and operational capabilities can complement public-sector objectives. Under a P3 model, the City may partner with private entities to design, build, finance, operate, maintain, or manage infrastructure through contractual arrangements that allocate responsibilities and risks between the public and private sectors.

P3s have been used throughout the water sector to deliver complex projects that require specialized technologies, operational expertise, significant capital investment, or accelerated implementation. Potential One Water applications include recycled water systems, energy recovery projects, stormwater infrastructure, groundwater recharge facilities, green infrastructure maintenance programs, and other climate resilience and resource recovery initiatives. For OWH, potential applications could include water reuse distribution infrastructure, green infrastructure maintenance programs, resource recovery facilities, watershed restoration partnerships, and area adaptation projects where private landowners, developers, or major beneficiaries share in implementation costs.

When appropriately structured, P3s can provide several advantages, including access to private capital, technical expertise, innovative technologies, and operational efficiencies that may accelerate project delivery and reduce near-term public funding needs. In areas such as biosolids management and resource recovery, private partners may also help advance beneficial reuse, nutrient recovery, renewable energy generation, and other circular-economy objectives.

P3s should be viewed as a complementary tool rather than a substitute for public investment. Long-term agreements require careful evaluation of life cycle costs, risk allocation, regulatory compliance, environmental performance, and public accountability. Emerging issues such as PFAS regulations, climate adaptation requirements, and changing environmental standards underscore the importance of maintaining flexibility and strong oversight. As part of a diversified financing portfolio that includes utility revenues, grants, SRFs, WIFIA financing, and Green Bonds, strategically selected P3s may help advance One Water objectives while maintaining public control and protecting community interests.

#### **K.8.1.7 PRIVATE AND PHILANTHROPIC INVESTMENT OPPORTUNITIES**

Private and philanthropic investment can provide supplemental funding for One Water Honolulu initiatives, particularly for planning, pilot projects, watershed restoration, community resilience programs, environmental stewardship, and nature-based solutions. While these funding sources are not expected to replace traditional utility revenues, grants, or public financing mechanisms, they can help advance projects that provide environmental, social, educational, cultural, and community benefits.

In Hawai‘i, philanthropic organizations such as the Hawai‘i Community Foundation, watershed partnerships, environmental nonprofits, and conservation organizations have supported projects focused on watershed protection, invasive species management, native ecosystem restoration, climate resilience, water resource stewardship, and community engagement. Private foundations and

nonprofit partners may also provide funding for planning, technical assistance, public outreach, demonstration projects, and capacity-building activities that are often difficult to fund through traditional infrastructure financing programs.

For certain projects, public-private partnerships and voluntary private-sector contributions may provide opportunities to leverage additional investment. Projects that support economic development, tourism resilience, major employment centers, transportation infrastructure, or protection of private property may create opportunities for cost-sharing arrangements among public agencies, private landowners, utilities, and other beneficiaries. These approaches may be particularly relevant for watershed restoration, coastal resilience, green infrastructure, complete streets, and area-based adaptation initiatives that generate benefits across multiple stakeholders.

In addition, emerging environmental, social, and governance (ESG) investment strategies, resilience-focused investment funds, sustainability-linked financing, and impact investment programs may create future opportunities for projects that deliver measurable environmental and community outcomes. As these markets continue to evolve, the City should monitor opportunities to leverage private capital where project benefits, risk allocation, and public objectives can be appropriately aligned.

#### **K.8.1.8 COMMUNITY FACILITIES DISTRICTS AND SPECIAL DISTRICT FINANCING**

Community Facilities District (CFD) and Special Improvements District (SID) financing mechanisms may provide useful tools for One Water Honolulu projects in areas that receive direct resilience, flood protection, or watershed benefits. These district-based approaches allow property owners within a defined geographic area to contribute funding for infrastructure improvements such as drainage upgrades, flood mitigation projects, green infrastructure, coastal resilience measures, and watershed restoration activities. CFDs offer greater flexibility and can support a broader portfolio of resilience investments over time, while SIDs are better suited for funding specific, location-based improvements. For OWH, these tools may be particularly useful for high-risk areas such as flood-prone watersheds, coastal adaptation zones, or redevelopment districts where beneficiaries can be clearly identified and directly benefit from the investment. However, these approaches require significant stakeholder agreement, property owner participation, and project-specific governance structures.

While these district-based funding approaches offer potential benefits, implementation may be challenging without strong stakeholder and elected official support. Recent ENV experience has demonstrated that projects involving special assessments can face significant implementation hurdles when affected property owners and decision makers are not engaged early in the planning process. As a result, any future use of assessment districts or similar funding mechanisms should incorporate early outreach, transparent communication of project benefits and costs, and coordination with elected officials throughout project development.

### **K.8.1.9 OTHER LOAN PROGRAMS**

In addition to SRF and WIFIA financing, certain projects may be eligible for funding through USDA Rural Development Water and Waste Disposal loan and loan guarantee programs. These programs provide long-term, low-interest financing for drinking water, wastewater, and stormwater infrastructure in eligible rural communities and may offer an additional financing pathway for projects serving rural portions of O‘ahu.

## **K.8.2 LONG-TERM OPERATION AND MAINTENANCE FUNDING**

Long-term operation and maintenance (O&M) funding should be considered a fundamental component of climate adaptation and resilience investments, not an activity addressed after planning, design, and construction are complete. While project development may be supported through a combination of federal, state, county, utility, financing, grant, and public-private partnership resources, the responsible department or departments will ultimately need reliable and annually budgeted funding to operate, inspect, monitor, repair, replace, and maintain assets throughout their service lives.

This consideration is particularly important for One Water Honolulu projects that provide benefits across multiple departments. Multi-benefit projects may be planned, funded, and implemented collaboratively through cost-sharing agreements, pooled funding arrangements, grants, or dedicated resilience funding programs. However, once constructed, ownership, operational responsibility, and maintenance obligations should be clearly established to ensure accountability, effective asset management, and long-term performance.

Projects involving watershed restoration, green stormwater infrastructure, flood mitigation systems, water reuse facilities, coastal adaptation measures, and other resilience investments often require decades of monitoring, adaptive management, and periodic reinvestment. Failure to account for life cycle costs and long-term maintenance needs can reduce project effectiveness, diminish resilience benefits, and increase future financial and operational risks.

As projects advance from planning to implementation, participating departments should identify long-term ownership, maintenance responsibilities, staffing requirements, performance monitoring expectations, asset replacement needs, and sustainable funding sources. O&M funding may be supported through utility revenues, operating budgets, stormwater utility fees, resilience funds, special assessment districts, user fees, or other recurring revenue sources, as summarized in Table K-5. Establishing these commitments and funding mechanisms early in project development will help ensure that One Water investments continue to deliver intended environmental, resilience, and community benefits while remaining financially sustainable over the long term.

Table K-5 Potential Mechanisms for Operation and Maintenance Costs

| FUNDING MECHANISM                    | CONSIDERATIONS                                                                                                                                                                         |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Utility Revenues and User Fees       | The most suitable mechanism is a sustainable O&M funding source because it provides dedicated, recurring revenues tied directly to the services being provided.                        |
| Department Operating Budgets         | This mechanism is common for flood control facilities, parks, watershed programs, coastal assets, and climate adaptation projects that do not have a dedicated utility funding source. |
| Dedicated Resilience Funding Sources | This mechanism can help support the long-term maintenance of resilience assets that provide broad community benefits but do not generate utility revenue.                              |
| Special Assessments and Districts    | This mechanism allows costs to be allocated back to the properties or communities that directly benefit from the improvement.                                                          |
| Public-Private Partnership           | Long-term operating costs may be included within P3 agreements or availability-payment structures, provided performance requirements and responsibilities are clearly defined.         |
| Grants                               | Generally, grants are not a reliable O&M funding source.                                                                                                                               |

## SECTION K.9: GOVERNANCE AND PROGRAM DELIVERY: CREATING INSTITUTIONAL CAPACITY TO DELIVER

Funding alone will not deliver the One Water Honolulu vision. Successful implementation will require governance structures capable of coordinating departments, aligning priorities, pursuing funding opportunities, integrating climate considerations into budgeting and capital planning, and tracking long-term progress. Throughout the planning process, stakeholders consistently identified coordination and program management challenges as major barriers to implementation. In particular, implementation of a climate-informed funding strategy will require stronger collaboration between the Department of Budget and Fiscal Services (BFS), CCSR, and the departments responsible for project delivery.

BFS will play a central role in integrating resilience considerations into capital planning, budgeting, financing, and financial reporting processes. CCSR will continue providing leadership on climate policy, adaptation priorities, resilience planning, funding strategy coordination, and performance monitoring. Together, these functions can establish the institutional capacity necessary to embed climate resilience into routine decision-making processes across City government.

To support this effort, the City should consider establishing a permanent One Water funding coordination and implementation function, whether an individual or committee, responsible for coordinating project development and funding activities across participating departments. This function could initially operate through the existing One Water Panel structure and evolve over time into a dedicated program office or resilience coordination function.

Key responsibilities should include:

- Funding strategy development and coordination
- Grant identification, application support, and match coordination
- Climate budget tagging and climate expenditure tracking
- Integration of climate considerations into CIP planning and prioritization
- Project packaging and multi-benefit project bundling
- Green Bond and sustainable finance reporting support
- Federal and state funding coordination
- Climate investment performance measurement and reporting
- Alignment of funding decisions with long-term resilience objectives
- Monitoring progress toward One Water implementation goals

This function could initially operate through the existing One Water Panel structure and evolve over time into a dedicated program office or resilience coordination function. Establishing a clear governance structure with defined responsibilities for departments and offices including ENV, BWS, DFM, BFS, CCSR, and others will help ensure continuity, accountability, transparency, and effective implementation throughout the life of the One Water Honolulu program. Recommended Governance Strategy #2, discussed in Section 8, identifies recommended actions to support near-term pursuit of external funding to advance implementation of OWH projects, while in parallel advancing funding and financing systems for the long-term implementation.

**STRATEGY 2:**

**Enable and support City financing and funding systems and the pursuit of external funding that allow One Water partners to collaborate in developing and implementing integrated solutions.**

|     |                                                                                                                                                                  |                                                                                                          |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 2.1 | Develop and maintain a OWH Funding and Financing Implementation Roadmap that aligns funding opportunities with project sequencing and implementation priorities. | Ongoing                                                                                                  |
| 2.2 | Evaluate and pursue Federal and State grants and low interest loans to advance implementation of OWH projects.                                                   | Ongoing                                                                                                  |
| 2.3 | Optimize and standardize procedures for interdepartmental cost-sharing and joint funding of multi-benefit One Water projects.                                    |  Present to 3 years   |
| 2.4 | Develop a dedicated funding mechanism to support stormwater infrastructure projects.                                                                             |  Present to 3 years |
| 2.5 | Create a dedicated City-wide One Water and Resilience Fund.                                                                                                      |  3 - 5 years        |
| 2.6 | Standardize the way that climate information including risks, costs, and benefits are considered within the budget process.                                      |  3 - 5 years        |

Figure K-1. Funding governance strategy and supporting actions (from Plan Sec. 8)

## SECTION K.10: ADVOCACY, PARTNERSHIP DEVELOPMENT, AND FUNDING ENABLEMENT

Successful implementation of the Plan will also require sustained advocacy, stakeholder engagement, and institutional alignment to establish the governance structures and authorities needed to deploy those resources effectively. Many of the most promising funding mechanisms identified through this strategy—including dedicated resilience funding streams, stormwater utility implementation, expanded use of sustainable finance tools, and new public-private partnerships—will require coordination among City departments, elected officials, state partners, community organizations, and private-sector stakeholders. Advocacy efforts should focus on building public understanding of

climate and water infrastructure needs, demonstrating the long-term economic benefits of resilience investments, pursuing enabling legislation where necessary, expanding state and federal funding partnerships, and strengthening support for climate-informed capital planning and budgeting practices. By combining technical project development with proactive stakeholder engagement and policy advocacy, Honolulu can create the institutional and political foundation necessary to secure funding, implement priority projects, and sustain long-term investment in water security, climate resilience, and community well-being.

Many of the most promising financing mechanisms identified through the One Water process will require not only technical analysis and project development, but also sustained stakeholder engagement, public education, legislative advocacy, and institutional change to establish the authorities and governance structures necessary for long-term implementation.

## SECTION K.11: ROADMAP TO 2055: A PHASED APPROACH TO BUILDING CLIMATE RESILIENCE

The proposed funding strategy follows a phased implementation pathway that aligns investments with project maturity, institutional capacity, and evolving climate conditions. This approach allows Honolulu to build upon existing strengths while gradually establishing a comprehensive resilience finance framework.

### ROADMAP TO 2055: A Phased Approach to Building Climate Resilience

Investments are sequenced to match project maturity, institutional capacity, and evolving climate conditions.

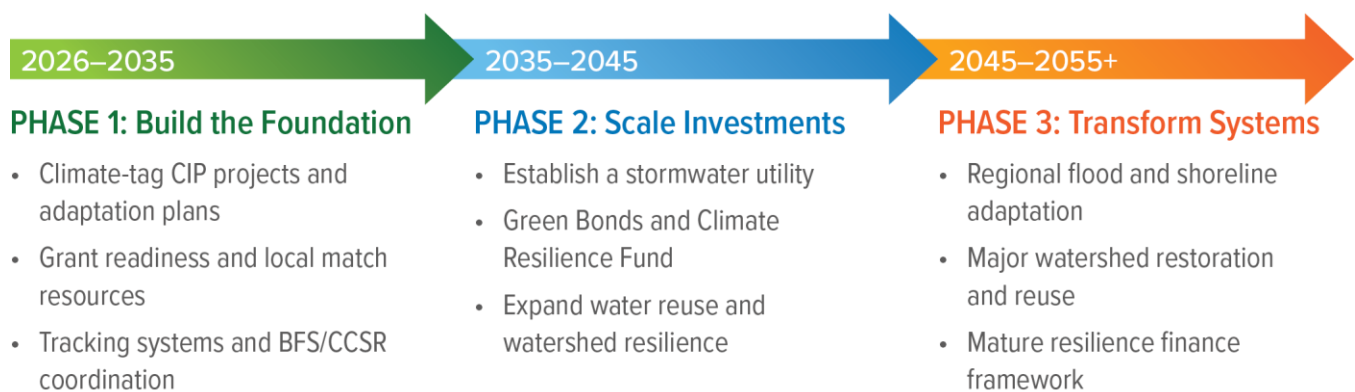


Figure K- 2. Phased Approach to Building Long-Term Financing Sustainability

### **K.11.1 PHASE 1: PRIORITY RECOMMENDATIONS TO BUILD THE FOUNDATION (2026–2035)**

The first phase focuses on strengthening project readiness and integrating climate resilience into existing planning and budgeting processes. Key activities include climate tagging of CIP projects, development of adaptation plans, grant readiness efforts, funding coordination, and establishment of project tracking systems. During this phase, the City will create the governance and planning foundation needed to support larger investments in subsequent decades.

In addition to strengthening project readiness, Phase 1 should focus on establishing the institutional and analytical foundations necessary for long-term climate budgeting and resilience finance. Priority activities include implementing climate budget tagging through a revised tagging process, integrating climate considerations into CIP prioritization processes, developing project tracking and reporting systems, identifying local match resources, strengthening grant development capacity, and formalizing coordination mechanisms between BFS, CCSR, and implementing departments. These actions will improve transparency, strengthen competitiveness for external funding, and create the foundation necessary for future financing initiatives such as Green Bonds, resilience funds, and dedicated revenue mechanisms.

### **K.11.2 PHASE 2: SCALING PROJECT DELIVERY AND IMPLEMENTATION (2035–2045)**

The second phase focuses on implementing dedicated funding mechanisms and accelerating capital investment. Key milestones include establishment of a stormwater utility, expansion of resilience-focused financing programs, maturation of the Climate Resiliency Fund, implementation of Green Bond financing, growth of regional adaptation partnerships, and expansion of water reuse and watershed resilience infrastructure. By this stage, climate adaptation investments should increasingly operate through a coordinated resilience capital program supported by dedicated funding streams, enhanced financial reporting, and climate-informed capital planning processes.

### **K.11.3 PHASE 3: INSTITUTIONALIZING ONE WATER AND SUSTAINING LONG-TERM RESILIENCE (2045–2055 AND BEYOND)**

The final phase focuses on delivering large-scale, transformational adaptation investments capable of addressing the most significant long-term climate challenges. These investments may include regional flood protection systems, shoreline adaptation projects, managed retreat planning where necessary, major watershed restoration initiatives, advanced water reuse programs, and integrated resilience infrastructure networks. By this phase, Honolulu should be operating a mature resilience investment framework that incorporates dedicated revenue sources, climate-informed budgeting, sustainable finance tools, performance reporting systems, and long-term governance structures supporting implementation across departments and generations.

## SECTION K.12: KEY RECOMMENDATIONS

The funding assessment found that implementation of the Plan faces two interconnected challenges. First, the scale of investment required to address water security, watershed health, flood resilience, climate adaptation, ecosystem restoration, and infrastructure modernization is likely to exceed currently available funding resources. Second, many One Water priorities do not have dedicated, sustainable funding mechanisms equivalent to those available for drinking water and wastewater utilities.

While federal and state grant and financing programs provide important opportunities to offset project costs, they are generally competitive, project-specific, and insufficient to fully fund the long-term implementation needs identified in the Plan. As a result, successful implementation will require a dual-track strategy that maximizes available external funding opportunities while simultaneously developing sustainable local funding and financing mechanisms capable of supporting long-term resilience investments.

### K.12.1 DEVELOP DEDICATED FUNDING SOURCES FOR ONE WATER PRIORITIES

The most significant long-term funding gap identified through this assessment is the lack of dedicated funding streams for many One Water program areas, particularly watershed restoration, flood resilience, stormwater management, climate adaptation, nature-based infrastructure, and ecosystem restoration.

The City should evaluate opportunities to establish sustainable local funding mechanisms capable of supporting both capital investments and long-term operations and maintenance activities. Potential opportunities include:

- Implementation of a Stormwater Utility Fee
- Strategic expansion of the Climate Resiliency Fund
- Watershed stewardship and restoration funding programs
- Visitor- and tourism-supported resilience funding mechanisms
- Special assessment districts and other geographically targeted funding approaches
- Future resilience funding tools that may become available through state legislation or policy initiatives

Without dedicated local revenues, many OWH projects will continue to compete with other capital priorities during annual budget and CIP development processes.

## K.12.2 MAXIMIZE EXTERNAL FUNDING OPPORTUNITIES

Although external funding alone cannot fully fund OWH implementation, federal and state funding programs remain essential components of the overall funding strategy, especially in the near-term. The City should continue aggressively pursuing grants, low-interest loans, and financing opportunities that align with OWH priorities.

Particular emphasis should be placed on:

- Clean Water State Revolving Fund (CWSRF)
- Drinking Water State Revolving Fund (DWSRF)
- EPA WIFIA financing
- FEMA resilience and hazard mitigation programs
- Bureau of Reclamation WaterSMART programs
- Watershed and ecosystem restoration programs
- Congressional Directed Spending opportunities

The City should also focus on strategically braiding multiple funding sources together to support large-scale, multi-benefit projects.

## K.12.3 IMPROVE PROJECT READINESS AND FUNDING COMPETITIVENESS

Competition for external funding continues to increase nationwide, making project readiness a critical success factor. The City should maintain a pipeline of implementation-ready projects capable of responding to funding opportunities as they emerge.

Priority actions include:

- Advancing priority projects through planning and preliminary design
- Evaluate federal environmental review requirements, including NEPA, early in project development to maintain eligibility for federal programs including SRF.
- Completing environmental review and permitting requirements
- Developing benefit-cost analyses and resilience metrics
- Quantifying community, environmental, and climate benefits
- Maintaining current master plans, resilience plans, watershed plans, and CIP documents

Projects that are well defined, environmentally cleared, and supported by strong technical documentation are generally more competitive for funding.

## **K.12.4 ESTABLISH A COORDINATED ONE WATER FUNDING STRATEGY**

Many OWH projects provide benefits across multiple departments and infrastructure systems. However, funding programs, budgets, and implementation responsibilities are often organized within departmental silos.

The City should continue developing mechanisms to coordinate funding pursuits across departments by:

- Tracking funding opportunities centrally
- Coordinating local match requirements
- Packaging projects around shared outcomes
- Pursuing multi-benefit project bundling
- Aligning funding pursuits with OWH implementation priorities

A more coordinated approach can improve competitiveness, reduce duplication of effort, and increase opportunities to leverage external funds.

## **K.12.5 EXPAND STRATEGIC FINANCING TOOLS**

Many OWH projects will require capital investments beyond what can reasonably be supported through annual appropriations. Financing tools should therefore remain an essential component of implementation.

The City should continue leveraging:

- General Obligation Bonds
- Revenue Bonds
- State Revolving Fund financing
- WIFIA financing
- Green Bonds and other sustainable finance tools as reporting capabilities mature

Financing can accelerate implementation while distributing costs over the useful life of infrastructure assets.

## **K.12.6 INSTITUTIONALIZE CLIMATE-INFORMED CAPITAL PLANNING**

Over time, resilience investments should become a routine component of capital planning and budgeting processes rather than stand-alone initiatives.

Priority actions include:

- Implementing climate budget tagging
- Integrating resilience considerations into CIP prioritization
- Tracking climate-related expenditures and outcomes
- Establishing performance measures for resilience investments

These actions can improve transparency, strengthen grant competitiveness, and position the City for future sustainable financing opportunities.

## **K.12.7 STRENGTHEN PARTNERSHIPS AND ORGANIZATIONAL CAPACITY**

Successful implementation will depend on both internal coordination and external partnerships. Funding agencies increasingly prioritize projects that demonstrate regional collaboration, broad community benefits, and strong organizational capacity.

The City should continue expanding partnerships with:

- State and federal agencies
- Utilities and infrastructure providers
- Watershed partnerships and conservation organizations
- Educational and research institutions
- Community organizations and stakeholders

At the same time, the City should continue strengthening grant management capacity, funding coordination, project tracking, and interdepartmental collaboration to support long-term implementation.

### **CONCLUSION**

The funding assessment demonstrates that the primary challenge facing implementation of the One Water Honolulu Plan is not simply securing individual grants, but addressing the broader funding gap between identified resilience needs and currently available funding resources. While federal and state programs can provide substantial support, successful implementation will ultimately require a combination of external funding, strategic financing, improved project readiness, stronger coordination, and the development of dedicated local funding mechanisms. Establishing sustainable funding sources for stormwater management, watershed restoration, climate adaptation, and resilience investments should therefore be considered one of the highest long-term priorities for implementation of the One Water Honolulu Plan.

Table K-6 STATE FUNDING MATRIX

| Administrative Agency                       | Program                                     | Type of Funding | Project Type                                                                            | Availability | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Award Amount                                                                                                                                                                         | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Application Deadlines                 | Prerequisites                                                                                                                                                                                                | Agency Contact Information                                                                                                                                                                                                                                            |
|---------------------------------------------|---------------------------------------------|-----------------|-----------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| State of Hawai'i Department of Health (DOH) | Clean Water State Revolving Fund (CWSRF)    | Loan            | Stormwater, Wastewater, Conveyance, Pump Stations                                       | Available    | <p>This program provides assistance for the construction of systems to prevent water pollution, prevent contamination of surface and groundwater sources, and maintain public safety. The CWSRF program can fund septic system and/or decentralized wastewater treatment system projects as well as major treatment systems.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Water quality protection;</li><li>• Stormwater management;</li><li>• Green infrastructure;</li><li>• Compliance and enforcement of contaminants;</li><li>• Watershed planning;</li><li>• Equipment purchase (street sweepers, vacuum trucks, and sediment basins);</li><li>• Wastewater treatment and conveyance.</li></ul>                           | <p>There are no formal maximums or minimums, but based on previous IUP the awards ranged from:</p> <p><b>Award Minimum:</b> \$140,000</p> <p><b>Award Maximum:</b> \$130 million</p> | <ul style="list-style-type: none"><li>• Funding typically requires a 20% cost share from applicant, but the CWSRF may finance up to 100% of project cost based on available funding.</li><li>• Approximately \$123 million is available for the FY 2026 funding cycle.</li><li>• HI CWSRF loans are subject to 0.25% annual interest rate as well as a semiannual 0.5% interest rate for a total 1.25%.</li><li>• Loans terms are up to 30 years.</li><li>• Application includes submittal of an application form, engineering report, spending schedule, environmental review/documents, project plans, project specifications, ordinance, itemized bids, and contract documents.</li></ul> | Applications are on an ongoing basis. | A Proposed Project for Funding form must be submitted for each project eligible for CWSRF funding within the next 5 years. Projects then must be included in IUP to be considered for next FY funding cycle. | <p><b>Site:</b> <a href="https://health.hawaii.gov/wastewater/home/cwsrf/">https://health.hawaii.gov/wastewater/home/cwsrf/</a></p> <p><b>Contact:</b> (808) 586-4294</p>                                                                                             |
|                                             | Drinking Water State Revolving Fund (DWSRF) | Loan            | Water Treatment, Distribution, Storage, Consolidation, Source Projects, PFAS, Lead Line | Available    | <p>This program currently provides low interest loans to Hawai'i's regulated water systems for the construction of drinking water treatment and distribution infrastructure. These projects help achieve or maintain compliance with drinking water standards, protect public health and the environment. Funds are available for addressing Emerging Contaminants and PFAS.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Rehabilitation ,repair, or replacement of existing treatment facilities;</li><li>• Transmission and distribution systems;</li><li>• Consolidation of water systems;</li><li>• Development of new water sources;</li><li>• Potable reuse;</li><li>• Desalination;</li><li>• Storage systems.</li></ul> | <p>There are no formal maximums or minimums, but based on previous IUP the awards ranged from:</p> <p><b>Award Minimum:</b> \$120,000</p> <p><b>Award Maximum:</b> \$250 million</p> | <ul style="list-style-type: none"><li>• No cost share requirements for applicants. Some projects may receive principal forgiveness.</li><li>• Interest rates range from 1.15% to 1.40% for municipal projects and up to 3.00% for privately owned systems. Annual fees of 1.50% are typical.</li><li>• Loan terms can be up to 30 years.</li><li>• Application includes submittal of an application form, engineering report, spending schedule, environmental review/documents, project plans, project specifications, ordinance, itemized bids, and contract documents.</li></ul>                                                                                                          | Applications are on an ongoing basis. | A Proposed Project for Funding form must be submitted for each project eligible for DWSRF funding within the next 5 years. Projects then must be included in IUP to be considered for next FY funding cycle. | <p><b>Site:</b> <a href="https://health.hawaii.gov/sdwb/drinking-water-state-revolving-fund/">https://health.hawaii.gov/sdwb/drinking-water-state-revolving-fund/</a></p> <p><b>Email:</b> <a href="mailto:doh.dwsrf@doh.hawaii.gov">doh.dwsrf@doh.hawaii.gov</a></p> |

| Administrative Agency                                               | Program                                                                      | Type of Funding      | Project Type                                                     | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Award Amount                                                                 | Funding Considerations                                                                                                                                                                                                                                                                                                                                        | Application Deadlines                                                                                      | Prerequisites                                                                                                                                                                                  | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                                  |
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|                                                                     | <b>Hawai'i Cesspool Pilot Grant Program (CPGP)</b>                           | Grant                | Cesspool Conversion                                              | On Hold            | <p>A pilot program that offers assistance to LMI property owners with upgrading, converting, and connecting cesspool systems to appropriate methods of managing wastewater. An eligible applicant must be an owner of real property and have a cesspool that was ranked as priority level 1 or 2 by the University of Hawai'i's 2021 Cesspool Hazard Assessment.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Cesspool retrofitting;</li><li>• Connection to city wastewater</li></ul>                                                                                                                                                                                                                                        | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$20,000</p>       | <ul style="list-style-type: none"><li>• Funds are provided on a reimbursement basis.</li><li>• Documentation must be submitted within 9 months of receiving qualification letter.</li></ul>                                                                                                                                                                   | Applications have closed as of 2023.                                                                       | <ul style="list-style-type: none"><li>• Cesspool must have been ranked as priority level 1 or 2.</li><li>• Household income cannot exceed 140% of median income based on HUD values.</li></ul> | <p><b>Site:</b> <a href="https://health.hawaii.gov/wastewater/home/supportprogramscesspoolconversion/">https://health.hawaii.gov/wastewater/home/supportprogramscesspoolconversion/</a></p>                                                                                                                                                                                                                 |
|                                                                     | <b>Polluted Runoff Control Program: 319(h) Non-Point Source (NPS) Grants</b> | Grant                | Watershed Protection, Water Quality, Nonpoint Pollution Control, | Future Opportunity | <p>Program provides grants to control NPS pollution including agricultural runoff, mining activities, and onsite septic systems. These activities can then contaminate surface water as well as ocean environmental resulting in impacts to biodiversity and human health. The program is managed by the DOH Clean Water Branch. States must spend half of their allocation on watershed projects; the rest can go to non-point source projects, such as cesspools.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Watershed planning;</li><li>• Watershed erosion mitigation;</li><li>• Watershed restoration;</li><li>• Outreach;</li><li>• Conservation activities;</li><li>• Forestry work to protect watersheds.</li></ul> | <p><b>Award Minimum:</b> \$10,000</p> <p><b>Award Maximum:</b> \$600,000</p> | <ul style="list-style-type: none"><li>• Grant requires 30% cost match for applicant.</li><li>• Projects are typically included as subset of an approved watershed management plan.</li><li>• Projects that incorporate partnerships between NGOs, utilities, and communities are often prioritized. Educational outreach is also viewed positively.</li></ul> | Most recent grant award was in 5/8/2025; however, RFP's are typically published from July to August .      | Project must align with existing watershed management plan or with EPA watershed management strategies.                                                                                        | <p><b>Site:</b> <a href="https://health.hawaii.gov/cwb/clean-water-branch-home-page/polluted-runoff-control-program/319-grant-program/">https://health.hawaii.gov/cwb/clean-water-branch-home-page/polluted-runoff-control-program/319-grant-program/</a></p> <p><b>Email:</b> <a href="mailto:CleanWaterBranch@doh.hawaii.gov">CleanWaterBranch@doh.hawaii.gov</a></p> <p><b>Contact:</b> 808-586-4309</p> |
| <b>State Hawai'i Office of Planning and Sustainable Development</b> | <b>Hawai'i Coastal Zone Management Program</b>                               | Technical Assistance | Coastal Management, Shoreline Protection, Ecosystem Management   | Available          | <p>Technical assistance through partnerships between federal, state, and local governments toward the management of coastal land and resources. This can be for economic, environmental, or recreational purposes. The program provides assistance for research, policy, and project development for Hawai'ian coastal communities.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Research and policy development;</li><li>• Coastal protection initiatives;</li><li>• Education and public outreach.</li></ul>                                                                                                                                                                                                                | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> N/A</p>            | This program is not a direct funding opportunity, but instead provides technical assistance toward project development.                                                                                                                                                                                                                                       | There is no formal application process. Grants occasionally open through this program, but are infrequent. | N/A                                                                                                                                                                                            | <p><b>Site:</b> <a href="https://planning.hawaii.gov/czm/">https://planning.hawaii.gov/czm/</a></p> <p><b>Email:</b> <a href="mailto:dbedt.op.czm@hawaii.gov">dbedt.op.czm@hawaii.gov</a></p>                                                                                                                                                                                                               |

| Administrative Agency | Program                                          | Type of Funding | Project Type                                                                                 | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Award Amount                                                                                                                                     | Funding Considerations                                                                                                                                                                                                                                                                                                                    | Application Deadlines                                                                        | Prerequisites                                                                         | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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|                       | State TOD Planning Grants                        | Grant           | Transportation Pedestrian Infrastructure, Housing                                            | Future Opportunity | <p>This program is geared toward accelerating the implementation of transit oriented developments (TOD). The objective of this design is to align future affordable housing development with transit as well as increase collaboration between agencies.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Master planning and feasibility studies;</li><li>• Environmental review documents;</li><li>• Affordable housing;</li><li>• Projects to increase walkability;</li><li>• Co-location without public agency services;</li><li>• Pedestrian infrastructure;</li><li>• Energy efficiency measures for public facilities.</li></ul>                                                                                                                                                                                                                                                                                                                                            | <p><b>Award Minimum:</b> \$100,000</p> <p><b>Award Maximum:</b> \$700,000</p>                                                                    | <ul style="list-style-type: none"><li>• No cost share requirements for applicants.</li><li>• Funding is focused on planning activities.</li><li>• \$9 million has been allocated annual toward this program.</li></ul>                                                                                                                    | <p><b>Posted Date:</b> 6/30/2025</p> <p><b>Closing Date for Applications:</b> 8/22/2025</p>  | Projects must align with state and county directed growth policies and transit plans. | <p><b>Site:</b></p> <p><a href="https://planning.hawaii.gov/land/state-tod/state-tod-planning-grants/">https://planning.hawaii.gov/land/state-tod/state-tod-planning-grants/</a></p> <p><b>Email:</b></p> <p><a href="mailto:dbedt.stateplanning@hawaii.gov">dbedt.stateplanning@hawaii.gov</a></p>                                                                                                                                                                                                                                                                                                                                                                                                              |
|                       | Community Development Block Grant (CDBG) Program | Grant           | Public Facilities, Energy Conservation, Infrastructure Development, Water/Wastewater Systems | Future Opportunity | <p>A source of financing for the development of housing and rehabilitation of public facilities toward direct benefit of low to moderate income communities. This program can fund a variety projects and programs as well as design, planning, and construction activities. Funds are allocated to local governments that can then support infrastructure and housing projects. It is designed to improve living conditions for low- to moderate-income (LMI) populations and gives cities and counties flexibility to fund a wide range of eligible activities. Honolulu, which is classified as an entitlement community, can use funds to develop their own programs and funding priorities.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Acquisition of real estate;</li><li>• Rehabilitation and repair of residential and public buildings;</li><li>• Renewable energy sources and energy conservation strategies;</li><li>• Economic development activities.</li></ul> | <p>Award amounts are allocated to states based on need.</p> <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$8 million in FY 2024</p> | <ul style="list-style-type: none"><li>• 70% of funds provided through this program must be used to benefit low to moderate income persons/communities.</li><li>• A 5 year consolidated plan and annual action plan are required for projects.</li><li>• HUD directly manages this program.</li><li>• No cost share requirement.</li></ul> | <p><b>Posted Date:</b> 10/1/2025</p> <p><b>Closing Date for Applications:</b> 10/24/2025</p> | Requires strong demonstration of feasibility and benefit to LMI persons.              | <p><b>Site:</b></p> <p><a href="https://www.hudexchange.info/programs/cdbg-hud-administered/cdbg-hud-administered-non-entitled-counties-in-hawaii-program-eligibility-requirements/">https://www.hudexchange.info/programs/cdbg-hud-administered/cdbg-hud-administered-non-entitled-counties-in-hawaii-program-eligibility-requirements/</a></p> <p>County Site:</p> <p><a href="https://www.honolulu.gov/dcs/dcs-cbdd-community-development-block-grant-cbdg-program/">https://www.honolulu.gov/dcs/dcs-cbdd-community-development-block-grant-cbdg-program/</a></p> <p><b>Email:</b></p> <p><a href="http://www.hud.gov/states/hawaii">www.hud.gov/states/hawaii</a></p> <p>County Contact: (808) 768-7762</p> |

| Administrative Agency                        | Program                                    | Type of Funding | Project Type                                                           | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Award Amount                                                                                                                                                                                                                                               | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                         | Application Deadlines                                                                                                                                                                                                                                                  | Prerequisites                                                                             | Agency Contact Information                                                                                                                                                                                                                                                                                                                               |
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| Hawai'i Office of Community Services (OCS)   | Capital Improvement Projects Grants in Aid | Grant           | Water Systems, Wastewater Systems, Stormwater Systems,                 | Future Opportunity | <p>Legislative appropriations that can be applied to operational expenses and identified capital improvement projects. Common projects include nonprofit capital improvements and community facilities. Prioritization is toward high visibility projects with identified benefit to public and communities.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Water and wastewater infrastructure;</li><li>• Construction of flood control or stormwater improvements;</li><li>• Transportations infrastructure;</li><li>• Climate resilience.</li></ul> | <ul style="list-style-type: none"><li>• Previous GIA periods had approximately \$6 million in total funding.</li><li>• There are no formal caps on funding; however, these grants typically vary based on administrative priorities and support.</li></ul> | <ul style="list-style-type: none"><li>• Funds are available on a reimbursement basis and payments are contingent upon fulfillment of terms and conditions of the grant agreement.</li><li>• How funding can be utilized, the type of grant, and what department will administrate the award are based on legislature.</li><li>• Prioritizes project readiness and community benefit.</li></ul> | The application period typically opens in late December or early January.                                                                                                                                                                                              | Requires ongoing coordination with state legislators.                                     | <p><b>Site:</b><br/><a href="https://labor.hawaii.gov/ocs/service-programs-index/gia/">https://labor.hawaii.gov/ocs/service-programs-index/gia/</a></p> <p><b>Contact:</b><br/>Stanley Chang- 808-586-8420<br/>Carol Fukunaga - contact@carol4u.com</p>                                                                                                  |
| University of Hawai'i & NOAA                 | Sea Grants                                 | Grant           | Sustainability, Aquaculture, Emerging Contaminants, Climate Resilience | Future Opportunity | <p>Through the University of Hawai'i, the Sea Grants program provides colleges, state governments, and local governments access to research funding for marine and coastal concerns. There are four primary grant pathways broken out by Island Sustainability, Aquaculture, Contaminants of Emerging Concern, and Indigenous Sciences.</p> <p><b>Eligible Topics:</b></p> <ul style="list-style-type: none"><li>• Environmental literacy;</li><li>• Climate adaption;</li><li>• Emerging contaminants;</li><li>• Fishery science;</li><li>• Coastal ecosystems.</li></ul>           | <p><b>Award Minimum:</b><br/>N/A</p> <p><b>Award Maximum:</b><br/>\$100,000</p>                                                                                                                                                                            | <ul style="list-style-type: none"><li>• Requires 50% cost match for applicants.</li><li>• Award period typically lasts 2 years as funding is split between periods (ex. \$50,000 per year).</li><li>• Funding is projected for FY 2026-2028.</li><li>• Eligibility criteria varies with research track.</li><li>• Application periods typically open every two years.</li></ul>                | <p>For Sustainability, Emerging Contaminants, and Aquaculture Grants:<br/><b>Posted Date:</b> 2/1/2025<br/><b>Preproposal Due:</b> 2/21/2025</p> <p>For Indigenous Science Grants:<br/><b>Posted Date:</b> 2/1/2025<br/><b>Statement of Interest Due:</b> 3/7/2025</p> | Varies with research track.                                                               | <p><b>Site:</b><br/><a href="https://seagrant.soest.hawaii.edu/research/request-for-proposals/">https://seagrant.soest.hawaii.edu/research/request-for-proposals/</a></p> <p><b>Email:</b><br/><a href="mailto:uhsgcomm@hawaii.edu">uhsgcomm@hawaii.edu</a></p>                                                                                          |
| National Fish and Wildlife Foundation (NFWF) | Hawai'i Conservation Program               | Grant           | Conservation, Wildlife Protection, Reef Resilience                     | Future Opportunity | <p>Strategic funding toward the protection of Hawai'ian ecosystems and endemic species. Habitats and species of interest include palila, kiwikiu, O'ahu elepaio, and alalā.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Restore or improvement of native watersheds;</li><li>• Improve biodiversity of native ecosystems;</li><li>• Habitat conservation for native bird species;</li><li>• Foster healthy coral reef ecosystems that are resilient to environmental stressors.</li></ul>                                                           | <p><b>Award Minimum:</b><br/>\$50,000</p> <p><b>Award Maximum:</b><br/>\$200,000</p>                                                                                                                                                                       | <ul style="list-style-type: none"><li>• Requires a 1:1 cost match.</li><li>• Project periods typically range between 1 and 3 years.</li><li>• Award amounts and number of awards vary annually.</li></ul>                                                                                                                                                                                      | <p><b>Posted Date:</b> 9/17/2025<br/><b>Closing Date for Applications:</b> 10/22/2025<br/><b>Award Announced:</b> 3/2026</p>                                                                                                                                           | Requires that the projects be located on Hawai'i Island, Maui, Lāna'i, O'ahu, and Kaua'i. | <p><b>Site:</b><br/><a href="https://www.nfwf.org/programs/hawaii-conservation-program?activeTab=tab-1">https://www.nfwf.org/programs/hawaii-conservation-program?activeTab=tab-1</a></p> <p><b>Email:</b> <a href="mailto:jana.doi@nfwf.org">jana.doi@nfwf.org</a><br/><a href="mailto:Alexander.Bobeczko@nfwf.org">Alexander.Bobeczko@nfwf.org</a></p> |

| Administrative Agency              | Program                                                                | Type of Funding | Project Type                                                     | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Award Amount                                                            | Funding Considerations                                                                                                                                                                                                                                                      | Application Deadlines                                                                        | Prerequisites                                                                                      | Agency Contact Information                                                                                                                                                                                                                                                |
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| Hawai'i Community Foundation (HCF) | Fresh Water Initiative: Water Conservation, Recharge, and Reuse Grants | Grant           | Water Supply, Water Conservation and Efficiency, Reuse, Recharge | Future Opportunity | <p>A HCF funding opportunity that supports long term potable water access for Hawai'iian communities. The most recent round of funding for this initiative emphasized water conservation, recharge, and reuse opportunities. Projects that support the generation of 100 MGD by 2030 are considered eligible for funding.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Reuse;</li><li>• Efficiency improvements;</li><li>• Rebate or conservation programs;</li><li>• Water security assessments;</li><li>• Sustainability projects related to water;</li><li>• Master planning and feasibility studies.</li></ul> | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$100,000</p> | <ul style="list-style-type: none"><li>• Project timelines must no more than 2 years.</li><li>• Project will be able to demonstrate direct gallons per day savings that will be achieved through water efficiencies, stormwater capture, or offset by water reuse.</li></ul> | <p><b>Posted Date:</b> 10/8/2025</p> <p><b>Closing Date for Applications:</b> 11/10/2025</p> | The project must demonstrate measurable impact to water sources or alignment with statewide goals. | <p><b>Site:</b> <a href="https://www.hawaiicommunityfoundation.org/strengthening/fresh-water">https://www.hawaiicommunityfoundation.org/strengthening/fresh-water</a></p> <p><b>Email:</b> <a href="mailto:Environment@hcf-hawaii.org">Environment@hcf-hawaii.org</a></p> |

Table K-7 FEDERAL FUNDING MATRIX

| Administrative Agency                               | Program                                                                                      | Type of Funding | Project Type                                                                | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Award Amount                                                                                                                                                                                                                              | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Application Deadlines                                                                                                                                                                                                                                                                                                                                                                                              | Prerequisites                                                                                                                                                        | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                                  |
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| United States Environmental Protection Agency (EPA) | Water Infrastructure Finance and Innovation Act (WIFIA)                                      | Loan            | Water, Wastewater, Stormwater, and Nonpoint Source                          | Available          | <p>The WIFIA programs offers financial assistance that can help borrowers implement water capital improvement projects to help build resilience. Following its annual appropriation, the WIFIA program opens a new selection round and announces the funding available in a Notice of Funding Availability. Each year, the Administrator establishes how projects will be prioritized based on the EPA’s assessment of the critical immediate water risks facing water and wastewater service providers. These priorities, the amount of funding available, and the application process are communicated to the public in the annual notice. Eligible borrowers include local, state, Tribal, and federal government entities; partnerships and joint ventures; corporations and trusts; and the Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) programs.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Water and wastewater treatment facilities;</li><li>• Stormwater management;</li><li>• Transmission and distribution infrastructure;</li><li>• Energy efficiency;</li><li>• Desalination and water recycling;</li><li>• Drought prevention.</li></ul> | <p><b>Award Minimum:</b> \$20,000,000 for large communities \$5,000,000 minimum project size for smaller communities (&lt;25,000)</p> <p><b>Award Maximum:</b> 49% of eligible project costs. 90% for small disadvantaged communities</p> | <ul style="list-style-type: none"><li>• Funding available for preconstruction activities</li><li>• Interest rate set at time of loan closing; ability to reset interest rate one time during life of loan if no disbursements have been drawn</li><li>• Flexible loan terms and opportunity to renegotiate</li><li>• 35 years maximum final maturity date from substantial completion</li><li>• 5 years max time that repayment can be delayed after substantial completion</li><li>• Total federal assistance may not exceed 80% of project's eligible costs</li></ul> | <p>Rolling NOFA process - timing varies. Most recent NOFA opened 11/25.</p> <p>APPLICATION PROCESS:</p> <ul style="list-style-type: none"><li>• <b>Step 1</b> - Letter of Interest; rolling deadline based on NOFA</li><li>• <b>Step 2</b> - Loan application due within 1 year of invitation to apply</li><li>• <b>Step 3</b> - Ongoing project monitoring to remain in compliance with loan agreement.</li></ul> | <ul style="list-style-type: none"><li>• Clear example of credit worthiness to justify funding.</li><li>• Project must be in an advanced stage of planning.</li></ul> | <p><b>Site:</b> <a href="https://www.epa.gov/wifia">https://www.epa.gov/wifia</a></p> <p><b>Email:</b> <a href="mailto:WIFIA@epa.gov">WIFIA@epa.gov</a></p>                                                                                                                                                                                                                                                 |
|                                                     | Midsize and Large Drinking Water System Infrastructure Resilience and Sustainability Program | Grant           | Water, System Resilience, Cybersecurity, Desalination, Watershed Management | Future Opportunity | <p>This program provides funding towards the planning, design, and construction of projects that improve system resilience for public water systems. This specifically is meant to protect against natural hazards, extreme weather, and cybersecurity threats. Communities that have a population greater than 10,000 and less than 100,000 are considered eligible under this program.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Design and construction desalination facilities;</li><li>• Water conservation;</li><li>• Watershed management;</li><li>• Relocation of existing drinking water systems;</li><li>• At risk water infrastructure;</li><li>• Renewable energy generation;</li><li>• Energy efficiency improvements;</li><li>• Creating regional water partnerships.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                      | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$9.5 million</p>                                                                                                                                                               | <ul style="list-style-type: none"><li>• Cost share of 10% required.</li><li>• A total of 6 award were made during FY 2025 period.</li><li>• Typical project periods of 1 to 4 years.</li></ul>                                                                                                                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 8/5/2025</li><li>• <b>Original Closing Date for Applications:</b> 10/06/2025</li></ul>                                                                                                                                                                                                                                                                 |                                                                                                                                                                      | <p><b>Site:</b> <a href="https://www.epa.gov/dwcapacity/midsize-and-large-drinking-water-system-infrastructure-resilience-and-sustainability#available%20funding">https://www.epa.gov/dwcapacity/midsize-and-large-drinking-water-system-infrastructure-resilience-and-sustainability#available%20funding</a></p> <p><b>Email:</b> <a href="mailto:Resiliencygrant@epa.gov">Resiliencygrant@epa.gov</a></p> |

APPENDIX K | FUNDING OPTIONS

| Administrative Agency | Program                                                                           | Type of Funding | Project Type                                                                                   | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Award Amount                                                                                                                                                                                                   | Funding Considerations                                                                                                                                                                                                                                 | Application Deadlines                                                                                                                                                              | Prerequisites                                             | Agency Contact Information                                                                                                                                                                                                                                                                                                      |
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|                       | <b>Drinking Water System Infrastructure Resilience and Sustainability Program</b> | Grant           | Water, System Resilience, Cybersecurity, Desalination, Watershed Management                    | Future Opportunity | <p>Similar to the Midsize and Large Drinking Water System Infrastructure Resilience and Sustainability the Drinking Water System Infrastructure Resilience and Sustainability Program provides funding towards the planning, design, and construction of projects that improve system resilience for public water systems. This specifically is meant to protect against natural hazards, extreme weather, and cybersecurity threats. Communities that have a population less than 10,000 are considered eligible under this program.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Design and construction desalination facilities;</li><li>• Water conservation;</li><li>• Watershed management;</li><li>• Relocation of existing drinking water systems;</li><li>• At risk water infrastructure;</li><li>• Renewable energy generation;</li><li>• Energy efficiency improvements;</li><li>• Creating regional water partnerships.</li></ul> | <p><b>Award Minimum:</b> \$300,000</p> <p><b>Award Maximum:</b> \$5 million</p>                                                                                                                                | <ul style="list-style-type: none"><li>• Cost share of 10% required.</li><li>• Typical project periods of 1 to 4 years.</li></ul>                                                                                                                       | <p>Last round of grant funding in FY 2023.</p> <ul style="list-style-type: none"><li>• Posted Date: 9/7/2023</li><li>• Original Closing Date for Applications: 11/6/2023</li></ul> | <p>Population prerequisite to be considered eligible.</p> | <p><b>Site:</b> <a href="https://www.epa.gov/dwcapacity/drinking-water-system-infrastructure-resilience-and-sustainability">https://www.epa.gov/dwcapacity/drinking-water-system-infrastructure-resilience-and-sustainability</a></p> <p><b>Email:</b> <a href="mailto:Resiliencygrant@epa.gov">Resiliencygrant@epa.gov</a></p> |
|                       | <b>Sewer Overflow and Stormwater Reuse Municipal Grants Program (OSG)</b>         | Grant           | Sewer Overflow Prevention, Stormwater Treatment, Infiltration Correction, Green Infrastructure | Future Opportunity | <p>Grants allocated to support the stormwater infrastructure, combined sewer, and sanitary sewer overflow. This is to protect against various pollutants that can be collected through stormwater systems. Previous funding cycles prioritized assistance for rural and distressed communities.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Separation of sanitary and storm systems;</li><li>• Infiltration and inflow correction/prevention;</li><li>• Improvements to combined sewer infrastructure;</li><li>• Enhancement of collection system, pump station, or treatment facility capacity;</li><li>• Overflow management systems;</li><li>• Green infrastructure development.</li></ul>                                                                                                                                                                                                                                               | <p>A total of \$41 million in grant dollars were allocated to states in FY 2024, the state awards typically ranged from:</p> <p><b>Award Minimum:</b> \$200,000</p> <p><b>Award Maximum:</b> \$4.3 million</p> | <ul style="list-style-type: none"><li>• Cost share requirement of 0% for disadvantaged communities and 20% for non-disadvantaged communities.</li><li>• Funding is distributed to states that then distribute funds to one or more projects.</li></ul> | <p>Last round of grant funding in FY 2024.</p>                                                                                                                                     |                                                           | <p><b>Site:</b> <a href="https://www.epa.gov/cwsrf/sewer-overflow-and-stormwater-reuse-municipal-grants-programability">https://www.epa.gov/cwsrf/sewer-overflow-and-stormwater-reuse-municipal-grants-programability</a></p> <p><b>Email:</b> <a href="mailto:OSG@epa.gov">OSG@epa.gov</a></p>                                 |

APPENDIX K | FUNDING OPTIONS

| Administrative Agency | Program                                    | Type of Funding              | Project Type                                         | Availability | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Award Amount                                                                | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                 | Application Deadlines                                                                                                                                                       | Prerequisites | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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|                       | Region 9 Wetland Development Grants (WPDG) | Grant/ Cooperative Agreement | Habitat Restoration, Conservation, Mapping, Modeling | Available    | <p>Funding through this program is toward the protection, management, and restoration of wetlands throughout EPA Region 9 (HI,AZ,NV,CA). The techniques employed through these projects must involve new or experimental technologies that can then be used to educate others are eligible. Projects are intended to pursue identified EPA Wetland Program Plan activities or update existing program plans for that state. This program more broadly applies funding to planning activities.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Wetland mapping, monitoring, and data collection tools;</li><li>Develop strategies for regulating aquatic resources;</li><li>Public education and outreach;</li></ul> | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$500,000</p>     | <ul style="list-style-type: none"><li>Cost share requirement of a minimum of 25% of total project cost.</li><li>As a cooperative agreement, agencies may be actively involved in project administration and oversight.</li><li>Approximately \$3.5 million in total funds have been allocated to Region 9.</li><li>EPA anticipates making 10 awards over 2 to 4 year period.</li></ul> | <ul style="list-style-type: none"><li>Posted Date: 2/24/2026</li><li>Closing Date for Applications: 4/13/2026</li><li>Notification of Award: 6/2026</li></ul>               | N/A           | <p><b>Site:</b> <a href="https://www.epa.gov/wetlands/region-9-wetland-program-development-grant-notice-funding-opportunity">https://www.epa.gov/wetlands/region-9-wetland-program-development-grant-notice-funding-opportunity</a></p> <p><b>Email:</b> <a href="mailto:Mahdavi.Sarvy@epa.gov">Mahdavi.Sarvy@epa.gov</a></p>                                                                                                                                                                                                                                                                                                                                                       |
|                       | Stormwater Centers of Excellence Grant     | Grant                        | Stormwater Management, Research, Planning            | Unavailable  | <p>The EPA provided funding through these grants to establish research hubs to states, tribes, and local governments to support stormwater infrastructure initiatives. Centers of Excellence, will conduct research on emerging stormwater management technologies and alternatives to current funding approaches. Eligible entities include universities, local government, nonprofit organizations, and research institutions.</p> <p><b>Eligible Projects revolve around research toward:</b></p> <ul style="list-style-type: none"><li>Stormwater control infrastructure;</li><li>Funding approaches to support stormwater infrastructure development.</li></ul>                                                                           | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$1.6 million</p> | <ul style="list-style-type: none"><li>Total available funding of \$5 million.</li><li>EPA established 4 new Centers of Excellence in FY 2024.</li></ul>                                                                                                                                                                                                                                | <p>There are no current allocations of funding.</p> <ul style="list-style-type: none"><li>Posted Date: 1/17/2024</li><li>Closing Date for Applications: 4/24/2024</li></ul> | N/A           | <p><b>Site:</b> <a href="https://grants.gov/search-results-detail/351834">https://grants.gov/search-results-detail/351834</a></p> <p><a href="https://www.epa.gov/npdes/stormwater-centers-excellence-grant">https://www.epa.gov/npdes/stormwater-centers-excellence-grant</a></p> <p><b>Email:</b> <a href="mailto:stormwatercenters@epa.gov">stormwatercenters@epa.gov</a></p>                                                                                                                                                                                                                                                                                                    |
|                       | Green Infrastructure Program               | Technical Assistance         | Stormwater Management, Flood Protection, Outreach    | Available    | <p>A technical assistance program offered through the EPA. The Green Infrastructure Program provides information to coordinate efforts on the development of green infrastructure. This program helps to connect communities with experts and stakeholders to provide training.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Education and financial assistance;</li><li>Outreach;</li><li>Green infrastructure development (bioswales, rain gardens, etc.).</li></ul>                                                                                                                                                                                                                                           | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> N/A</p>           | <ul style="list-style-type: none"><li>Assistance specifically applies to outreach and education assistance for green infrastructure development.</li></ul>                                                                                                                                                                                                                             | N/A                                                                                                                                                                         | N/A           | <p><b>Site:</b> <a href="https://www.epa.gov/climate-change-water-sector/green-infrastructure-program#:~:text=Non%2DGovernmental%20Efforts-.About%20the%20Program,well%20as%20the%20private%20sector.">https://www.epa.gov/climate-change-water-sector/green-infrastructure-program#:~:text=Non%2DGovernmental%20Efforts-.About%20the%20Program,well%20as%20the%20private%20sector.</a></p> <p><b>Email:</b></p> <ul style="list-style-type: none"><li><a href="mailto:deyoung.robyn@epa.gov">deyoung.robyn@epa.gov</a></li><li><a href="mailto:wilson.clark@epa.gov">wilson.clark@epa.gov</a></li><li><a href="mailto:wigginton.mary@epa.gov">wigginton.mary@epa.gov</a></li></ul> |

| Administrative Agency                      | Program                                           | Type of Funding | Project Type                                                             | Availability                  | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Award Amount                                                                    | Funding Considerations                                                                                                                                                                                                                                                                                                                                         | Application Deadlines                                                                                                                                                                                                                                           | Prerequisites                                                                                                                                                   | Agency Contact Information                                                                                                                                                                                                                                                                                                         |
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| United States Bureau of Reclamation (USBR) | WaterSMART: Title XVI Water Reclamation and Reuse | Grant           | Recycled Water, Reuse, Groundwater Recharge, Water Treatment, Conveyance | Future Opportunity            | <p>The Title XVI Water Reclamation and Reuse Program provides federal funding to help communities plan, design, and build projects that recycle wastewater into usable water supplies. It focuses on funding projects that recycle water for beneficial reuse, reducing pressure on freshwater sources and improving long-term drought and climate resilience.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Reuse of non-potable sources;Water recycling facilities;Groundwater recharge;Water storage;Pump stations;</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                               | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$40 million</p>      | <ul style="list-style-type: none"><li>Funding requires 75% Non-Federal cost share.</li><li>Projects must be congressionally authorized, making it best suited for larger, regionally significant reuse efforts.</li><li>Maintenance costs and previously incurred costs are not typically eligible for funding.</li></ul>                                      | <ul style="list-style-type: none"><li><b>Posted Date:</b> May 14, 2026</li><li><b>Feasibility Study Due:</b> June 26, 2026 (Round 1) and January 15, 2027 (Round 2)</li><li><b>Closing Date for Applications:</b> August 26, 2026 and August 26, 2027</li></ul> | Requires congressional authorization. Feasibility study must be submitted and approved.                                                                         | <p><b>Site:</b> <a href="https://www.usbr.gov/watersmart/title/index.html">https://www.usbr.gov/watersmart/title/index.html</a></p> <p><b>Email:</b></p> <ul style="list-style-type: none"><li><a href="mailto:cnasstrom@usbr.gov">cnasstrom@usbr.gov</a></li><li><a href="mailto:dmblake@usbr.gov">dmblake@usbr.gov</a></li></ul> |
|                                            | Large-Scale Water Recycling Program               | Grant           | Water Supply, Reuse, Reclamation, Drought Response                       | Future Opportunity            | <p>To expand and accelerate water reuse infrastructure, USBR has made \$130 million in grant funds available through the WaterSMART Program. Projects that provide large, cost-effective sources of water in the Western US (which includes Hawai'i) that address environmental and water quality concerns are prioritized for funding.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Water reclamation and reuse infrastructure;</li><li>Treatment for groundwater and surface water;</li><li>Recycled water facilities;</li><li>Regional collaboration between water agencies;</li></ul>                                                                                                                                                                                                                                                                                                                                                                     | <p><b>Award Minimum:</b> \$1,000</p> <p><b>Award Maximum:</b> \$130 million</p> | <ul style="list-style-type: none"><li>Projects must have a total project cost of at least \$500 million.</li><li>Cost share requirements of 75%.</li><li>Planning, design, environmental review, and construction activities are all considered eligible under this program.</li><li>Feasibility study required with submission as soon as possible.</li></ul> | <ul style="list-style-type: none"><li><b>Posted Date:</b> May 7, 2026</li><li><b>Feasibility Study Due:</b> 4/13/2026</li><li><b>Closing Date for Applications:</b> June 2026</li><li>Program is pending future Congressional Appropriations</li></ul>          | Feasibility study must be submitted and approved.                                                                                                               | <p><b>Site:</b> <a href="https://www.usbr.gov/watersmart///title/largescale.html">https://www.usbr.gov/watersmart///title/largescale.html</a></p> <p><b>Email:</b> <a href="mailto:bor-sha-fafoa@usbr.gov">bor-sha-fafoa@usbr.gov</a></p>                                                                                          |
|                                            | Desalination Grant Program                        | Grant           | Desalination Facilities                                                  | Future Opportunity if Program | <p>The Desalination Construction Grant Program provides federal grant funding to support the construction of projects that treat seawater and brackish water sources and convert them to potable water. Its primary goal is to expand water availability in regions facing scarcity by investing in technologies that increase supply reliability and reduce dependence on traditional freshwater sources. Projects that are technically feasible, cost-effective, and demonstrate long-term sustainability are prioritized.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Desalination facilities;</li><li>Groundwater purification facilities;</li><li>Brackish well facilities</li></ul> <p><i>Currently Desalination Projects are not eligible under the Desalination Grant program due to federal statute; however could be an opportunity in the future. Currently desalination projects may compete under the Title XVI Recycled Water Program.</i></p> | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> No Limit</p>          | <ul style="list-style-type: none"><li>Funding requires 75% Non-Federal cost share.</li><li>Projects must be congressionally authorized, making it best suited for larger, regionally significant reuse efforts.</li><li>Maintenance costs and previously incurred costs are not typically eligible for funding.</li></ul>                                      | <ul style="list-style-type: none"><li><b>Posted Date:</b> May 14, 2026</li><li><b>Feasibility Study Due:</b> June 26, 2026 (Round 1) and January 15, 2027 (Round 2)</li><li><b>Closing Date for Applications:</b> August 26, 2026 and August 26, 2027</li></ul> | <ul style="list-style-type: none"><li>Feasibility study must be submitted and approved.</li><li>Project must be an advanced planning or design phase.</li></ul> | <p><b>Site:</b> <a href="https://www.usbr.gov/watersmart/title/desalination.html">https://www.usbr.gov/watersmart/title/desalination.html</a></p> <p><b>Email:</b> <a href="mailto:cnasstrom@usbr.gov">cnasstrom@usbr.gov</a></p>                                                                                                  |

| Administrative Agency | Program                                                                            | Type of Funding | Project Type                                                                                      | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Award Amount                                                                                                                                             | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Application Deadlines                                                                                                                                                                                                                                                                         | Prerequisites                                                                      | Agency Contact Information                                                                                                                                                                                                                                                                         |
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|                       | Water Recycling and Desalination Planning                                          | Grant           | Planning, Water Recycling, Desalination                                                           | Future Opportunity | <p>A new opportunity through the WaterSMART program. These grants fund planning and preconstruction activities for water recycling and desalination projects across the Western US. Funds also act as assistance fort the feasibility studies under the Title XVI Water Reclamation and Reuse Program, the Desalination Construction Program, and the Large-Scale Water Recycling Program.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Planning studies;</li><li>• Design;</li><li>• Feasibility studies;</li><li>• Cost estimation;</li><li>• Environmental review and historical compliance requirements.</li></ul> | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> Title XVI/WIIN Projects: Up to \$1M</p> <p>Large Scale Recycled Water Projects: Up to \$5M</p> | <ul style="list-style-type: none"><li>• Funds can be used for feasibility studies, planning, preliminary project cost estimates, design, and environmental and cultural resource compliance activities.</li><li>• Projects must be completed within two years.</li><li>• Funding is broken into two groups, Group I (planning and design) and Group II (construction).</li><li>• Cost-share is 50% Group I and 75% of total costs for projects for Group II.</li><li>• Projects must have an anticipated total cost of less than \$500 million.</li></ul> | Latest round of grant funding in FY 2024.                                                                                                                                                                                                                                                     | Project must be in at least early stage planning.                                  | <p><b>Site:</b> <a href="https://www.usbr.gov/watersmart/title/planning.html">https://www.usbr.gov/watersmart/title/planning.html</a></p>                                                                                                                                                          |
|                       | Enhancing Water Resources Project (formerly Environmental Water Resources Project) | Grant           | Water Quality, Habitat Restoration, Climate Impacts, Stream Restoration, Water Supply Development | Future Opportunity | <p>Through the WaterSmart Program, this grant provides funding to projects that support watershed health and restore ecological value to watersheds. Projects that provide additional co-benefits to recreation, agricultural, and municipal water use are encouraged under this program.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Water conservation and efficiency;</li><li>• Water supply development;</li><li>• Stream restoration;</li><li>• Mitigation to climate impacts;</li><li>• Water resource management;</li><li>• Infrastructure improvements with ecologic benefit.</li></ul>                       | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$3 million</p>                                                                                | <ul style="list-style-type: none"><li>• Cost share requirement of 50%; however, projects that increase water supply reliability for ecological value may be eligible for 25%.</li><li>• Typical require project completion within 3 to 5 years.</li><li>• Projects must provide quantifiable environmental benefits.</li></ul>                                                                                                                                                                                                                            | <p>Previous award period:</p> <ul style="list-style-type: none"><li>• <b>Posted Date:</b> June 16, 2026 (Original) and September 22, 2026 (Update)</li><li>• <b>Closing Date for Applications:</b></li><li>• Round 1: September 9, 2026</li><li>• <b>Round 2: September 8, 2027</b></li></ul> | A federal partnership must be established or a pathway for partnership identified. | <p><b>Site:</b> <a href="https://www.usbr.gov/watersmart/ewrp/index.html">https://www.usbr.gov/watersmart/ewrp/index.html</a></p> <p><b>Email:</b> <a href="mailto:ktucker@usbr.gov">ktucker@usbr.gov</a></p>                                                                                      |
|                       | Water Supply Small Storage                                                         | Grant           | Groundwater Storage, Supply Development, Groundwater Management                                   | Future Opportunity | <p>A competitive grant program that supports the water storage potential of communities throughout the Western US. Projects that enhance groundwater access and storage are eligible under this programs.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Water storage capacity projects no more than 30,000 acre-feet and no less than 200 acre-feet;</li><li>• Water conveyance to or from surface or groundwater storage;</li><li>• Increases to surface and groundwater storage access.</li></ul>                                                                                                                    | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$30 million</p>                                                                               | <ul style="list-style-type: none"><li>• A total of \$43.5 million (out of \$100 million total) was made available for FY 2025.</li><li>• Planning, design, environmental review, and construction activities are all considered eligible under this program.</li><li>• Cost share requirements of 75%.</li><li>• Feasibility study required with submission and encouraged as soon as possible.</li></ul>                                                                                                                                                 | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 7/17/2026</li><li>• <b>Feasibility Study Due:</b> 2/13/2026</li><li>• Closing Date for <b>Applications:</b> 4/17/2026</li><li>• Program is pending future Congressional Appropriations</li></ul>                                  | Feasibility study must be submitted and approved prior to grant submittal.         | <p><b>Site:</b> <a href="https://www.usbr.gov/smallstorage/">https://www.usbr.gov/smallstorage/</a></p> <p><b>Email:</b></p> <ul style="list-style-type: none"><li>• <a href="mailto:aolah@usbr.gov">aolah@usbr.gov</a></li><li>• <a href="mailto:awright@usbr.gov">awright@usbr.gov</a></li></ul> |

| Administrative Agency | Program                                      | Type of Funding | Project Type                                                                                                                                          | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Award Amount                                                                                                                                                                                                                                                                                    | Funding Considerations                                                                                                                                                                                                                                                                                                                                                      | Application Deadlines                                                                                                                                                                                                  | Prerequisites | Agency Contact Information                                                                                                                                                                                                |
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|                       | Aquatic Ecosystem Restoration Program (AERP) | Grant           | Restoration, Dam Diversion, Habitat Protection, Water Quality                                                                                         | Future Opportunity | <p>A more recent program through WaterSMART that provides funding to the restoration of aquatic ecosystems. These grants can support the study, design, and construction of restoration projects that have widespread ecological co-benefits. Proposed OWH stream restoration projects are good candidates for AERP funds.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Modifications and removal of dams for fish passage;</li><li>• Restoration of watershed connectivity;</li><li>• Aquatic habitat restoration;</li><li>• Improvements to the quality and temperature of water resources.</li></ul>                                                                               | <p>Funding thresholds are broken into two categories:</p> <p><b>TASK A</b> (Study and Design):<br/><b>Award Minimum:</b> \$500, 000<br/><b>Award Maximum:</b> \$2 million</p> <p><b>TASK B</b> (Construction):<br/><b>Award Minimum:</b> \$3 million<br/><b>Award Maximum:</b> \$20 million</p> | <ul style="list-style-type: none"><li>• Can fund study, design, and construction activities.</li><li>• All applicants are required to provide at least a 35% costs share; however, it is encouraged to provide more.</li></ul>                                                                                                                                              | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 9/1/ 2025</li><li>• <b>Closing Date for Applications:</b> 4/15/2026 and 2/17/2026</li></ul>                                                                |               | <p><b>Site:</b><br/><a href="https://www.usbr.gov/watersmart/aquatic/index.html">https://www.usbr.gov/watersmart/aquatic/index.html</a></p> <p><b>Email:</b> <a href="mailto:ktucker@usbr.sgov">ktucker@usbr.sgov</a></p> |
|                       | Drought Response Program                     | Grant           | Drought Response, Water Supply, Hydropower, Water Management Strategies, Contingency Planning, Storage, Source Development, Water Quality, Stormwater | Future Opportunity | <p>USBR through the WaterSMART program provides funding to the implementation and development of projects/tools toward building drought resilience. This program supports a wide variety projects across the Western United States which includes Hawai'i.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Water storage and distribution;</li><li>• Water management tools;</li><li>• Planning toward drought response;</li><li>• Source development;</li><li>• Hydropower;</li><li>• Water, wastewater, and stormwater treatment expansion;</li><li>• Stormwater capture and reuse;</li><li>• Green infrastructure;</li><li>• Groundwater recovery;</li><li>• Water quality.</li></ul> | <p><b>Award Minimum:</b> \$25,000<br/><b>Award Maximum:</b> \$1.5 million (Group II) and \$500,000 (Group I).</p>                                                                                                                                                                               | <ul style="list-style-type: none"><li>• Cost share requirement of 50%.</li><li>• Total program funding of \$13.5 million.</li><li>• Approximately 8-20 awards are anticipated.</li><li>• Funding is divided into two groups, Group I would include drought planning projects, whereas Group II funds construction project that would start 12 months after award.</li></ul> | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 3/5/2026</li><li>• <b>Closing Date for Applications:</b> 7/28/2026</li></ul> <p>Application deadline is within 2 months - marked as Future Opportunity</p> |               | <p><b>Site:</b><br/><a href="https://www.usbr.gov/drought/index.html">https://www.usbr.gov/drought/index.html</a></p> <p><b>Email:</b><br/><a href="mailto:bor-sha-fafoa@usbr.gov">bor-sha-fafoa@usbr.gov</a></p>         |

| Administrative Agency                          | Program                                                                    | Type of Funding | Project Type                                                                 | Availability | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Award Amount                                                                                                                                  | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                   | Application Deadlines                                                                                                 | Prerequisites                                                                                                                                | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| United States Department of Agriculture (USDA) | Emergency Watershed Protection (EWP) Program                               | Grant           | Stream Restoration, Debris Removal, Levee Repair, Vegetative Erosion Control | Available    | <p>This program offers technical and financial assistance for communities that require recovery from major natural hazards. This program does not require a disaster declaration for assistance, but a NRCS Conservationist to declare a local watershed is in jeopardy. All projects must provide future protection from flooding and erosion.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Remove debris from stream channels, road culverts and bridges;Reshape and protect eroded streambanks;Correct damaged or destroyed drainage facilities;Establish vegetative cover on critically eroding lands;Repair levees and structures;Buyout of flood-damaged properties; Repair certain conservation practices.</li></ul> | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> N/A</p> <p>Previous awards ranged from \$30,000 to \$5.2 million based on need.</p> | <ul style="list-style-type: none"><li>All projects require a sponsor which can include a city, county, town, or conservation district making these funds available for private entities. Cost share requirements for funding are 25% and 10% for disadvantaged communities. Approximately \$300 million available for FY 2026.Funds cannot be used for maintenance activities.</li></ul> | Requests for assistance must be made through state NRCS Conservationist no later than 60 days after a disaster.       | Requires a natural disaster and sponsor ship from NRCS.                                                                                      | <p><b>Site:</b> <a href="https://www.nrcs.usda.gov/programs-initiatives/emergency-watershed-protection-ewp-program-buyouts">https://www.nrcs.usda.gov/programs-initiatives/emergency-watershed-protection-ewp-program-buyouts</a></p> <p><b>Email:</b> <a href="mailto:megan.bolibol@usda.gov">megan.bolibol@usda.gov</a> (Honolulu regional contact)</p>                                                                                                                                                                      |
|                                                | Emergency Community Water Assistance Grants in Hawai'i and Western Pacific | Grant           | Water Systems, Water Storage, Transmission                                   | Available    | <p>This program assists eligible communities with emergency preparedness or recovery when safe, dependable drinking water is at risk. Qualified applicants include public bodies in rural areas, nonprofit organizations, and federally recognized tribes. They must demonstrate that a major reduction in water quality or supply has happened within two years of applying. Grants may also be given if a significant decrease in water quality or quantity is expected soon.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Water transmission;</li><li>Water storage;</li><li>Treatment systems;</li><li>Wells;</li><li>Repair and replacement.</li></ul>                                                                 | <p><b>Award Minimum:</b> \$150,000 (water transmission)</p> <p><b>Award Maximum:</b> \$1 million (water storage)</p>                          | <ul style="list-style-type: none"><li>Partnerships with other federal, state, local, private and nonprofit entities are encouraged.</li><li>Does not require a disaster declaration.</li><li>No cost share requirements.</li></ul>                                                                                                                                                       | Applications are on an ongoing basis and are typically accepted from October 1 to September 30 of the following year. | Population prerequisite (10,000 or less) to be considered eligible. Would be dependent on the population of the agency applying for funding. | <p><b>Site:</b> <a href="https://www.rd.usda.gov/programs-services/water-environmental-programs/emergency-community-water-assistance-grants/hi#overview">https://www.rd.usda.gov/programs-services/water-environmental-programs/emergency-community-water-assistance-grants/hi#overview</a></p> <p><b>Email:</b></p> <ul style="list-style-type: none"><li><a href="mailto:lennie.okan-kendrick@usda.gov">lennie.okan-kendrick@usda.gov</a></li><li><a href="mailto:alton.kimura@usda.gov">alton.kimura@usda.gov</a></li></ul> |

APPENDIX K | FUNDING OPTIONS

| Administrative Agency | Program                                                                                                                   | Type of Funding         | Project Type                                                                  | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Award Amount                                                               | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Application Deadlines                                                                                                                                                   | Prerequisites                                                                                                                      | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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|                       | <b>Agricultural Conservation Easement Program (ACEP): Wetland Reserve Enhancement Partnership (WREP)</b>                  | Cost Share/ Partnership | Wetland Restoration, Conservation, Water Quality                              | Future Opportunity | <p>Through the Agricultural Conservation Easement Program (ACEP) Wetland Reserve Easement (WRE), the WREP funds projects that focus on wetland protection, restoration, and improvement. These activities are directed at eligible lands for state and local governments to improve. States and local governments partner with the federal government to fund these projects.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Wetland restoration;</li><li>• Provide protection or benefit threatened and endanger species;</li><li>• Community outreach;</li><li>• Groundwater recharge through wetlands;</li><li>• Habitat conservation.</li></ul>                                                                                                               | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$10 million</p> | <ul style="list-style-type: none"><li>• Projects that provide outreach and support the planning and implementation of restoration projects on WREP identified easements will be prioritized.</li><li>• Scoring criteria ranges from partnership building to benefits to migratory and endangered species.</li><li>• Eligible projects must provide a cash match for in-kind funding through program.</li><li>• Partner contributions must equal at least 10 % of the total estimated costs for easement acquisition related costs and restoration implementation costs.</li><li>• To be selected for the partnership, the applicant must submit a proposal for review.</li></ul> | <p>Previous award period:</p> <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 5/22/2024</li><li>• <b>Closing Date for Applications:</b> 9/30/2026</li></ul> |                                                                                                                                    | <p><b>Site:</b><br/><a href="https://www.nrcs.usda.gov/programs-initiatives/wetland-reserve-enhancement-partnership">https://www.nrcs.usda.gov/programs-initiatives/wetland-reserve-enhancement-partnership</a></p> <p><b>Email:</b><br/><a href="mailto:kenneth.kriese@usda.gov">kenneth.kriese@usda.gov</a></p>                                                                                                                                                                                                                                                                                         |
|                       | <b>Water &amp; Waste Disposal Loan &amp; Grant Program in Hawai'i and Western Pacific</b>                                 | Loan/Grant              | Water Systems, Wastewater Systems, Sewage Disposal, Stormwater                | Available          | <p>This program offers financial assistance to rural communities for the expansion and enhancement of water and waste disposal infrastructure. It supports access to clean, dependable drinking water, efficient sewage disposal, sanitary solid waste management, and storm water drainage systems for households and businesses located in eligible rural areas. This program also offers guaranteed loans to eligible borrowers with private lenders.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Water treatment, storage, and distribution;</li><li>• Stormwater conveyance and treatment;</li><li>• Wastewater facilities;</li><li>• Solid waste disposal and collection systems;</li><li>• Potentially land purchase, permits, and equipment.</li></ul> | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> N/A</p>          | <ul style="list-style-type: none"><li>• To be considered eligible population must be 10,000 or less and in rural areas.</li><li>• Funds can be used for the design and construction activities.</li><li>• Loan period up to 40 years or the useful life of the project.</li><li>• The program typically requires a 20% cost share.</li><li>• Borrowers need legal authority, and projects must serve a public purpose and be financially sustainable.</li></ul>                                                                                                                                                                                                                  | <p>Applications are on an ongoing basis.</p>                                                                                                                            | <p>Population prerequisite to be considered eligible. Would be dependent on the population of the agency applying for funding.</p> | <p><b>Site:</b><br/><a href="https://www.rd.usda.gov/programs-services/water-environmental-programs/water-waste-disposal-loan-grant-program/hi#overview">https://www.rd.usda.gov/programs-services/water-environmental-programs/water-waste-disposal-loan-grant-program/hi#overview</a></p> <p><b>Email:</b></p> <ul style="list-style-type: none"><li>• <a href="mailto:Lennie.Okano-Kendrick@usda.gov">Lennie.Okano-Kendrick@usda.gov</a></li><li>• <a href="mailto:Alton.Kimura@usda.gov">Alton.Kimura@usda.gov</a></li><li>• <a href="mailto:Kylie.Ojiri@usda.gov">Kylie.Ojiri@usda.gov</a></li></ul> |
|                       | <b>Water and Waste Facility Loans and Grants to Alleviate Health Risks on Tribal Lands in Hawai'i and Western Pacific</b> | Loan/Grant              | Water Systems, Wastewater Systems, Sewage Disposal, Public Health, Stormwater | Available          | <p>This program is specifically geared toward reduce public health risks associated with drinking water and disposal in low income communities. Communities with a population no more than 10,000 or federally recognized tribes are eligible.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Water infrastructure;</li><li>• Stormwater drainage systems;</li><li>• Wastewater and waste disposal infrastructure.</li></ul>                                                                                                                                                                                                                                                                                                                                      | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> N/A</p>          | <ul style="list-style-type: none"><li>• Typically cost charging is encouraged, but an applicant may receive 100% of project costs.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>Applications are on an ongoing basis and are typically accepted from October 1 to September 30 of the following year.</p>                                            | <p>Population prerequisite to be considered eligible. Would be dependent on the population of the agency applying for funding.</p> | <p><b>Site:</b><br/><a href="https://www.rd.usda.gov/programs-services/water-environmental-programs/water-and-waste-facility-loans-and-grants-alleviate-health-risks-tribal-lands/hi#overview">https://www.rd.usda.gov/programs-services/water-environmental-programs/water-and-waste-facility-loans-and-grants-alleviate-health-risks-tribal-lands/hi#overview</a></p> <p><b>Contact:</b> Wade Lee, State Director, (808) 933-8380</p>                                                                                                                                                                   |

| Administrative Agency | Program                                                                         | Type of Funding | Project Type                                                                     | Availability | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Award Amount                                                                                                                                 | Funding Considerations                                                                                                                                                                                                                                                       | Application Deadlines                                                                                                                                                          | Prerequisites                                                                                                                      | Agency Contact Information                                                                                                                                                                                                                                                                                                              |
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|                       | Rural Economic Development Loan and Grant Program                               | Loan/Grant      | Economic Development, Equipment Purchase, Workforce Development                  | Available    | <p>RWLF funding is specifically designed to meet the needs of rural utilities in communities with fewer than 50,000 residents. Funds provided by USDA are then used to fund or establish a revolving loan program for projects that build or retain jobs.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Equipment purchases to educate and train residents;</li><li>• Start-up costs for real estate, buildings, and equipment;</li><li>• Community development assistance to nonprofits.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$100,000</p>                                                                      | <ul style="list-style-type: none"><li>• Loan offers below market interest rate.</li><li>• Maximum repayment period of 10 years with 20% cost share requirements.</li><li>• Repayment can be deferred up to two years for community facilities or startup ventures.</li></ul> | <p>Applications are submitted on quarterly basis:</p> <ul style="list-style-type: none"><li>• 9/30/2025</li><li>• 12/31/2025</li><li>• 3/31/2026</li><li>• 6/30/2026</li></ul> | <p>Population prerequisite to be considered eligible. Would be dependent on the population of the agency applying for funding.</p> | <p><b>Site:</b> <a href="https://www.rd.usda.gov/programs-services/business-programs/rural-economic-development-loan-grant-programs">https://www.rd.usda.gov/programs-services/business-programs/rural-economic-development-loan-grant-programs</a></p> <p><b>Contact:</b><br/>Wade Lee, State Director, (808) 933-8380</p>             |
|                       | Community Facilities Direct Loan & Grant Program in Hawai'i and Western Pacific | Loan/Grant      | Community Facilities, Utility Services, Healthcare Facilities, Community Centers | Available    | <p>This program provides affordable funding to develop essential community facilities in rural areas. An essential community facility is defined as a facility that provides an essential service to the local community for the orderly development of the community in a primarily rural area, and does not include private, commercial or business undertakings. Rural areas including cities, villages, townships and towns including Federally Recognized Tribal Lands with no more than 20,000 residents according to the latest U.S. Census Data are eligible for this program. Funding is prioritized for communities with a population of no more than 5,500 and low income.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Educational services;</li><li>• Hospitals, clinics, and assisted living facilities;</li><li>• Utility services;</li><li>• Public safety facilities and equipment;</li><li>• Public facilities and street improvements.</li></ul> | <p><b>Award Minimum:</b> \$75 million (loan)</p> <p><b>Award Maximum:</b> \$100 million (loan) and 75% of eligible project cost (grants)</p> | <ul style="list-style-type: none"><li>• Loans period of up to 40 year loan terms and</li><li>• Cost share for grants varies with community size and can range from 25% to 85%.</li></ul>                                                                                     | <p>Applications are on an ongoing basis and are typically accepted from October 1 to September 30 of the following year.</p>                                                   | <p>Population prerequisite to be considered eligible. Would be dependent on the population of the agency applying for funding.</p> | <p><b>Site:</b> <a href="https://www.rd.usda.gov/programs-services/community-facilities/community-facilities-direct-loan-grant-program/hi">https://www.rd.usda.gov/programs-services/community-facilities/community-facilities-direct-loan-grant-program/hi</a></p> <p><b>Contact:</b><br/>Wade Lee, State Director, (808) 933-8380</p> |

APPENDIX K | FUNDING OPTIONS

| Administrative Agency                          | Program                              | Type of Funding | Project Type                                                                | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Award Amount                                                                                                                                                                                                                                                        | Funding Considerations                                                                                                                                                                                                                                                                                                                        | Application Deadlines                                                                                                                                                                                                                                                              | Prerequisites                                                                       | Agency Contact Information                                                                                                                                                                                                                                                                                      |
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| United States Department of Agriculture (USDA) | Conservation Innovation Grants (CIG) | Grant           | Conservation Tools. Data Management Tool Development, Water Conservation,   | Future Opportunity | <p>A competitive grant program that supports early stage development of conservation tools, practices, and innovative technologies. Projects are tailored to state identified conservation priorities. State offices will select and administer their own CIG grants and competitions. Often funding priorities vary by fiscal with the previous award cycle emphasizing farming conservation.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Implementation of practices and approaches that provide conservation benefit;</li><li>• Climate smart agriculture;</li><li>• Water Quality improvements;</li><li>• Urban Agriculture;</li><li>• Soil health and erosion control.</li></ul> | <p><b>Award Minimum:</b> \$300,000</p> <p><b>Award Maximum:</b> \$2 million</p>                                                                                                                                                                                     | <ul style="list-style-type: none"><li>• Previous years saw 15 to 25 total awards.</li><li>• Typically, CIG grants require a funding match equal to the amount request.</li><li>• Hawai'i received approximately \$5.46 million CIG grant funds for FY 2023 for restoration programs, food strategy, and AI irrigation tools.</li></ul>        | <p>Application deadlines are typically in late summer/early fall and are announced in the spring of each year for sub applicants.</p> <p>Previous Award Cycle in 2021:</p> <ul style="list-style-type: none"><li>• <b>Closing Date for State Applications:</b> 7/19/2021</li></ul> | N/A                                                                                 | <p><b>Site:</b> <a href="https://www.nrcs.usda.gov/programs-initiatives/cig-conservation-innovation-grants/cig-applicants">https://www.nrcs.usda.gov/programs-initiatives/cig-conservation-innovation-grants/cig-applicants</a></p> <p><b>Email:</b> <a href="mailto:nrcscig@usda.gov">nrcscig@usda.gov</a></p> |
|                                                | Rural Water Loan Fund (RWLF)         | Loan            | Water Systems, Wastewater Systems, Disaster Recovery, Energy Efficiency     | Available          | <p>Low cost loans to meet short term project requirements. The program is specifically geared toward small water and wastewater facilities serving a maximum population of 10,000 people.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Planning costs for infrastructure projects;</li><li>• Energy efficiency improvements for water and wastewater facilities;</li><li>• Disaster recovery;</li><li>• Repair and replacement of water and wastewater infrastructure;</li><li>• Equipment.</li></ul>                                                                                                                                                                                  | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b>\$200,000</p>                                                                                                                                                                                              | <ul style="list-style-type: none"><li>• Interest are below market rates; currently 3.125% as of 4/2026.</li><li>• Loans are short term with a maximum repayment period of 10 years.</li><li>• NRWA doesn't require any fees for administration or processing of loans.</li></ul>                                                              | <p>Applications are on an ongoing basis.</p>                                                                                                                                                                                                                                       | <p>Population prerequisite to be considered eligible.</p>                           | <p><b>Site:</b> <a href="https://nrwa.org/members/products-services-portfolio/rural-water-loan-fund/">https://nrwa.org/members/products-services-portfolio/rural-water-loan-fund/</a></p> <p><b>Email:</b> <a href="mailto:nrwarwlf@nrwa.org">nrwarwlf@nrwa.org</a></p>                                         |
|                                                | Community Facilities Loan            | Loan            | Public Facilities, Public Safety, Education Facilities, Cultural Facilities | Available          | <p>Loan funding to help create or improve essential community facilities to serve communities in the rural West. This program offers short-term loans to meet early acquisition and pre-development needs, interim construction costs and long-term permanent financing. Projects must be located in rural areas with populations of 50,000 in western states (including HI). Eligible Projects:Public facilities;Healthcare centers;Emergency housing;Childcare and educational facilities;Assisted living.</p>                                                                                                                                                                                                       | <p><b>FEASIBILITY:</b></p> <p><b>Award Maximum:</b> \$10,000</p> <p><b>ACQUISITION:</b></p> <p><b>Award Maximum:</b> \$3 million</p> <p><b>CONSTRUCTION:</b></p> <p><b>Award Maximum:</b> \$3 million</p> <p><b>LONG TERM:</b></p> <p><b>Award Maximum:</b> N/A</p> | <ul style="list-style-type: none"><li>• Interest rates and fees are determined periodically and are subject to change. Short term interest rates vary, but are generally around 5%.Loan processing and administrative fees typically range from 1% to 3% based on type.Loan terms range from 1 year to 30 years based on loan type.</li></ul> | <p>Applications are on an ongoing basis.</p>                                                                                                                                                                                                                                       | <p>Population prerequisite and location requirements to be considered eligible.</p> | <p><b>Site:</b> <a href="https://www.rcac.org/lending/community-facility-loans/">https://www.rcac.org/lending/community-facility-loans/</a></p> <p>Contact: (916) 447-2854</p>                                                                                                                                  |

| Administrative Agency | Program                                  | Type of Funding | Project Type                                                                                                  | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Award Amount                                                                                                                                                                                                                                                                                                                                   | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Application Deadlines                                                                                                                                                                                   | Prerequisites                                                                                                                                                                                   | Agency Contact Information                                                                                                                                                                                                                  |
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|                       | Community Wildfire Defense Grant Program | Grant           | Wildfire Mitigation, Community Wildfire Protection Plans, Hazardous Fuels Reduction, Fire-Adapted Communities | Future Opportunity | <p>The Community Wildfire Defense Grant (CWDG) Program is a competitive USDA Forest Service program that helps at-risk local communities and Tribes plan for and reduce wildfire risk. The program supports communities in the wildland-urban interface and prioritizes areas with high or very high wildfire hazard, low-income communities, and communities affected by a severe disaster within the previous 10 years that increased wildfire risk.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Development or revision of a Community Wildfire Protection Plan (CWPP);</li><li>• Hazardous fuels reduction;</li><li>• Vegetation management;</li><li>• Creation of fuel breaks;</li><li>• Forest thinning and removal of wildfire fuels;</li><li>• Community wildfire resilience and preparedness projects;</li></ul> | <p><b>CWPP DEVELOPMENT OR REVISION:</b></p> <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$250,000</p> <p><b>CWPP PROJECT IMPLEMENTATION:</b></p> <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$10 million</p> <p>Up to \$200 million was available in Round 3.</p>                                                 | <ul style="list-style-type: none"><li>• Cost share requirement of 10% non-federal for CWPP development or revision.</li><li>• Cost share requirement of 25% non-federal for project implementation.</li><li>• Underserved communities, Indian Tribes, Alaska Native Corporations, and Pacific Islands may request a cost-share waiver.</li><li>• Projects generally must be completed within five years of award.</li><li>• Priority is given to communities with high or very high wildfire hazard, low income, or severe-disaster impacts that increased wildfire risk.</li></ul> | <p><b>PREVIOUS AWARD CYCLE</b> (Round 3):</p> <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 11/21/2024</li><li>• <b>Closing Date for Applications:</b> 3/14/2025, 11:59 p.m. ET</li></ul> | <ul style="list-style-type: none"><li>• Project must benefit an at-risk community with wildfire risk.</li><li>• CWPP development or revision projects must meet program requirements.</li></ul> | <p><b>Site:</b> <a href="https://www.fs.usda.gov/managing-land/fire/grants/cwdg">https://www.fs.usda.gov/managing-land/fire/grants/cwdg</a></p> <p><b>Email:</b> <a href="mailto:SM.FS.usfs_cwdg@usda.gov">SM.FS.usfs_cwdg@usda.gov</a></p> |
|                       | Environmental Infrastructure Loans       | Loans           | Water Facilities, Wastewater Facilities, Stormwater Facilities                                                | Available          | <p>A low interest loan program for rural communities with populations of no more than 50,000 in western states. These loans are directed at the improvement and expansion of safe drinking water, waste disposal, and stormwater control of communities.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Water and wastewater facilities;</li><li>• Stormwater facilities;</li><li>• Planning, design, and construction activities.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                 | <p><b>FEASIBILITY:</b></p> <p><b>Award Maximum:</b> \$50,000</p> <p><b>PRE-DEVELOPMENT:</b></p> <p><b>Award Maximum:</b> \$1 million</p> <p><b>CONSTRUCTION:</b></p> <p><b>Award Maximum:</b> \$6 million</p> <p><b>INTERMEDIATE TERM:</b></p> <p><b>Award Maximum:</b> \$200,000</p> <p><b>LONG TERM:</b></p> <p><b>Award Maximum:</b>N/A</p> | <ul style="list-style-type: none"><li>• Loan repayment period varies with loan type.</li><li>• Typically has loan administrative fee of 1%.</li><li>• Short term interest rates vary, but are generally around 5%.</li></ul>                                                                                                                                                                                                                                                                                                                                                        | Applications are on an ongoing basis.                                                                                                                                                                   | Population prerequisite and location requirements to be considered eligible.                                                                                                                    | <p><b>Site:</b> <a href="https://www.rcac.org/lending/environmental-loans/">https://www.rcac.org/lending/environmental-loans/</a></p> <p><b>Contact:</b> (916) 447-2854</p>                                                                 |

APPENDIX K | FUNDING OPTIONS

| Administrative Agency                      | Program                                         | Type of Funding | Project Type                                                                     | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Award Amount                                                                                                               | Funding Considerations                                                                                                                                                                                                                          | Application Deadlines                                                                                                                     | Prerequisites                                                                                                                                                    | Agency Contact Information                                                                                                                                                                                                        |
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| Federal Emergency Management Agency (FEMA) | Safeguarding Tomorrow Revolving Loan Fund (RLF) | Loan/Grant      | Predisaster Mitigation, Infrastructure Resilience, Hazard Mitigation             | Future Opportunity | <p>The FEMA Safeguarding Tomorrow Revolving Loan Fund (RLF) offers low-interest loans to states, tribes, and territories to support local government initiatives aimed at reducing risks associated with natural hazards (like flooding, drought, and wildfires). Applicants can include states, tribes, and territories. Funds were made available through the Infrastructure Investment and Jobs Act in 11/2021 with funding available for 5 years.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Green infrastructure;</li><li>• Wildfire mitigation;</li><li>• Planning and code enforcement;</li><li>• Hazard mitigation planning;</li><li>• Backup power systems;</li><li>• Strengthening of water and wastewater facilities to natural hazards.</li></ul> | <p><b>Award Minimum:</b> \$5.0 million (state applicants)</p> <p><b>Award Maximum:</b> \$17 million (state applicants)</p> | <ul style="list-style-type: none"><li>• States apply for funds with local governments applying to state entities for loan funds.</li><li>• Awards are competitive.</li><li>• Cost match (at least 10%)</li></ul>                                | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 1/14/2025</li><li>• <b>Closing Date for Applications:</b> 9/30/2025</li></ul> | <ul style="list-style-type: none"><li>• Requires the establishment of revolving loan fund.</li><li>• Must have an approved state/FEMA mitigation plan.</li></ul> | <p><b>Site:</b> <a href="https://www.fema.gov/grants/mitigation/learn/storm-rlf">https://www.fema.gov/grants/mitigation/learn/storm-rlf</a></p> <p><b>Email:</b> <a href="mailto:femago@fema.dhs.gov">femago@fema.dhs.gov</a></p> |
|                                            | Public Assistance Program (PAP)                 | Grants          | Disaster Recovery, Infrastructure Repair, Water/Wastewater Systems, Public Works | Future Opportunity | <p>The FEMA Public Assistance (PA) Program provides funding to state, local, and tribal governments (and certain nonprofits) to repair, restore, and rebuild public infrastructure damaged by a federally declared disaster. The program also encourages future disaster readiness. Assistance can be used to protect facilities from future natural hazards through mitigation measures.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Debris removal;</li><li>• Stormwater systems;</li><li>• Repair and improvement of public facilities and water/wastewater infrastructure;</li><li>• Utility systems;</li><li>• Resilience and hazard mitigation measures.</li></ul>                                                                                       | <p>Award minimums and maximums are based on eligibility of damage costs from a disaster.</p>                               | <ul style="list-style-type: none"><li>• The program typically requires a 25% cost share.</li><li>• Funding is reimbursement based.</li><li>• Cost of damages must be documented and submitted for FEMA review prior to reimbursement.</li></ul> | <p>Application periods vary with timing of declaration and when agency has been provided funding.</p>                                     | <p>Requires federal disaster declaration.</p>                                                                                                                    | <p><b>Site:</b> <a href="https://www.fema.gov/assistance/public">https://www.fema.gov/assistance/public</a></p> <p><b>Email:</b> <a href="mailto:femago@fema.dhs.gov">femago@fema.dhs.gov</a></p>                                 |

APPENDIX K | FUNDING OPTIONS

| Administrative Agency | Program                                                         | Type of Funding | Project Type                                                                                                          | Availability | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Award Amount                                                                                                                                                                                                                                                                                                                                           | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Application Deadlines                                                                                                                                                                                                                                         | Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                       | <b>Pre-Disaster Mitigation Grant Program (PDM)</b>              | Grants          | Hazard Mitigation, Infrastructure Resilience, Flood Mitigation, Wildfire Mitigation, Stormwater, Property Acquisition | Available    | <p>The Pre-Disaster Mitigation (PDM) grant program makes federal funds available to state, local, tribal, and territorial governments to plan for and implement sustainable cost-effective measures designed to reduce the risk to individuals and property from future natural hazards. These mitigation actions also reduce reliance on federal funding after future disasters.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Hazard mitigation planning;</li><li>• Infrastructure resilience improvements;</li><li>• Flood mitigation and drainage improvements;</li><li>• Wildfire fuel reduction and hazardous brush abatement;</li><li>• Stormwater infrastructure improvements;</li><li>• Utility relocation projects;</li><li>• Acquisition of high hazard properties;</li><li>• Critical facility protection measures.</li></ul> | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> Varies by project (FY 2024 awards ranged from \$75,000 to \$5 million per project)</p> <p>Total FY 2026 funding: \$189,713,659 for congressionally directed projects.</p>                                                                                                                    | <ul style="list-style-type: none"><li>• Cost share requirement of 25% non-federal. Small, impoverished communities eligible for up to 90% federal cost share.</li><li>• Federally recognized Tribal Nations applying directly may be eligible for 90% federal cost share.</li><li>• Recipients may apply for management costs of up to 10% of the total federal share (100% federally funded).</li><li>• Projects must demonstrate cost-effectiveness through Benefit-Cost Analysis.</li><li>• Period of Performance: 36 months from award start date.</li></ul>                                                                                                                                       | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 6/22/2026</li><li>• <b>Closing Date for Applications:</b> 7/22/2026, 5 p.m. ET</li></ul> <p>Applications submitted through FEMA Grants Outcomes (FEMA GO) system.</p>                             | <ul style="list-style-type: none"><li>• Must have a FEMA-approved Hazard Mitigation Plan by application deadline and at time of obligation.</li><li>• Mitigation projects must be consistent with goals in approved Hazard Mitigation Plan.</li><li>• Must demonstrate cost-effectiveness through Benefit-Cost Analysis (or narrative for projects under \$1 million).</li><li>• Projects must be technically feasible and effective at mitigating identified hazards.</li><li>• Must comply with Environmental Planning and Historic Preservation requirements.</li><li>• Only entities identified by Congress in the appropriations act are eligible to apply.</li></ul> | <p><b>Site:</b> <a href="https://www.fema.gov/grants/mitigation/learn/pre-disaster">https://www.fema.gov/grants/mitigation/learn/pre-disaster</a></p> <p><b>Email:</b> <a href="mailto:FEMA-Ask-PDM@fema.dhs.gov">FEMA-Ask-PDM@fema.dhs.gov</a></p> <p><b>Helpline:</b> (866) 222-3580</p> <p>Contact State Hazard Mitigation Officer (SHMO) for guidance.</p>                                                                                                                                                                                                             |
|                       | <b>Building Resilient Infrastructure and Communities (BRIC)</b> | Grant           | Public Infrastructure, Water Systems, Wastewater Systems, Transportation, Hazard Mitigation                           | Available    | <p>Recently reopened, the BRIC program provides funding to construction ready projects that mitigate hazards and build resilience. New applicants and small disadvantaged communities are prioritized for funding. The new round of funding emphasizes that projects must be hazard resistant building codes. OWH projects that are construction ready, with hazard mitigation aspects can be eligible for funding.</p> <p><b>Eligible Projects are broken into 3 categories:</b></p> <ul style="list-style-type: none"><li>• Enforcement and implementation of hazard resistant building codes;</li><li>• Technical training;</li><li>• Project scoping for infrastructure;</li><li>• Construction of infrastructure that reduces risk to critical facilities;</li><li>• Assistance for indirect costs and administrative costs/expenses.</li></ul>                     | <p>Funding is divided into these categories:</p> <p><b>STATE/ TERRITORY ALLOCATION:</b> \$2 million maximum</p> <p><b>TRIBAL SET ASIDE:</b> \$2 million maximum</p> <p><b>STATE/TERRITORY BUILDING CODE:</b> \$2 million maximum</p> <p><b>TRIBAL BUILDING CODE:</b> \$25 million maximum</p> <p><b>NATIONAL COMPETITION:</b> \$20 million maximum</p> | <ul style="list-style-type: none"><li>• Cost Share requirements 25% non-federal for typical communities</li><li>• Small impoverished communities are eligible for up to 10% non-federal and up to 0% non-federal for (American Samoa, Guam, Northern Mariana Islands, U.S. Virgin Islands) when the total non-federal cost share for the entire award is under \$200,000.</li><li>• A total of \$ 1 billion has been allocated for funding.</li><li>• Phased projects are not eligible, and construction readiness (&gt;90% design) is heavily weighted.</li><li>• Funds are allocated to state agencies which requires local governments and utilities to apply directly for grant funding.</li></ul> | <p>It should be noted that sub-applicants (like local governments) must apply through state agency sites.</p> <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 3/25/2026</li><li>• <b>Closing Date for State Applications:</b> 7/23/2026</li></ul> | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p><b>Site:</b> <a href="https://www.fema.gov/grants/mitigation/learn/building-resilient-infrastructure-communities">https://www.fema.gov/grants/mitigation/learn/building-resilient-infrastructure-communities</a></p> <p><a href="https://federalawards.hawaii.gov/wp-content/uploads/2025/10/IJA-Federal-Awards-Appropriated-to-Hawai'i-10.14.2025.pdf">https://federalawards.hawaii.gov/wp-content/uploads/2025/10/IJA-Federal-Awards-Appropriated-to-Hawai'i-10.14.2025.pdf</a></p> <p><b>Email:</b> <a href="mailto:femago@fema.dhs.gov">femago@fema.dhs.gov</a></p> |

| Administrative Agency | Program                                                | Type of Funding | Project Type                                                                                               | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Award Amount                                                                                                                                                | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Application Deadlines                                                                                                                                                                                                                                          | Prerequisites                                                                                                                                                                                                                                                                                                                                                  | Agency Contact Information                                                                                                                                                                                                                                                                                                                |
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|                       | <b>Flood Mitigation Assistance Grant Program (FMA)</b> | Grant           | Flood Mitigation, Property Acquisition, Elevation, Relocation, Drainage Improvements, Green Infrastructure | Available          | <p>A competitive program that provides funding to reduce or eliminate the risk of repetitive flood damage to buildings insured by the National Flood Insurance Program (NFIP). The program supports projects within NFIP-participating communities for states, local governments, and tribes.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Acquisition and demolition or relocation of flood-prone structures;</li><li>• Elevation of NFIP-insured structures;</li><li>• Dry floodproofing of non-residential structures;</li><li>• Minor localized flood reduction projects;</li><li>• Floodplain and stream restoration;</li><li>• Green infrastructure for flood mitigation;</li><li>• Stormwater management improvements;</li><li>• Flood mitigation planning.</li></ul>                                                                                                                                                          | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> Varies by project type</p> <p><b>Total FY 2024 Funding:</b> Up to \$600 million (competitive)</p> | <ul style="list-style-type: none"><li>• Cost share requirement of 25% non-federal for typical projects.</li><li>• Up to 90% federal cost share for small and impoverished communities.</li><li>• Properties designated as Repetitive Loss may receive up to 90% federal match. Properties designated as Severe Repetitive Loss may receive up to 100% federal match.</li><li>• Projects must demonstrate cost-effectiveness through Benefit-Cost Analysis (BCA).</li><li>• Swift Current initiative provides accelerated funding for disaster-impacted areas.</li></ul> | <p><b>PREVIOUS AWARD:</b></p> <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 4/30/2026</li><li>• <b>Closing Date for Applications:</b> 8/6/2026, 3 p.m. ET</li></ul> <p>Applications submitted through FEMA Grants Outcomes (FEMA GO) system.</p> | <ul style="list-style-type: none"><li>• Must have a FEMA-approved Hazard Mitigation Plan.</li><li>• Projects must be included in local hazard mitigation plan.</li><li>• Structures must be insured under the National Flood Insurance Program (NFIP).</li><li>• Community must be participating in NFIP.</li></ul>                                            | <p><b>Site:</b> <a href="https://www.fema.gov/grants/mitigation/learn/flood-mitigation-assistance">https://www.fema.gov/grants/mitigation/learn/flood-mitigation-assistance</a></p> <p><b>Email:</b> <a href="mailto:femago@fema.dhs.gov">femago@fema.dhs.gov</a></p> <p>Contact State Hazard Mitigation Officer (SHMO) for guidance.</p> |
|                       | <b>Hazard Mitigation Grant Program (HMGP)</b>          | Grant           | Infrastructure Development, Natural Hazard Protection, Drainage, Water Systems, Wastewater Systems         | Future Opportunity | <p>A funding opportunity for counties and cities within Hawai'i to reduce or eliminate long term risks to life and property. These funds are allocated by FEMA and administered by the Emergency Management Agency of Hawai'i. Unlike other programs funded through FEMA this program provides funding to prevent future damage associated with natural hazards. State funding priorities include wildfire mitigation, infrastructure resilience for critical infrastructure, benefiting underserved populations, and increasing shelter capacity.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Coastal and floodplain protection;</li><li>• Reef restoration;</li><li>• Soil stabilization and erosion control;</li><li>• Design, studies, and assistance to mitigate potential hazards;</li><li>• Redundancy projects for water and energy utilities;</li><li>• Stormwater management infrastructure;</li><li>• Outreach.</li></ul> | <p>Previous award amounts for FY 2025</p> <p><b>Award Minimum:</b> \$700,000</p> <p><b>Award Maximum:</b> \$32 million</p>                                  | <ul style="list-style-type: none"><li>• Requires 25% cost share from applicant.</li><li>• Honolulu received approximately \$7 million in FY 2025.</li><li>• Requires benefit cost analysis as a part of submittal.</li></ul>                                                                                                                                                                                                                                                                                                                                            | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 8/1/2024</li><li>• <b>Closing Date for Applications:</b> 2/6/2025</li></ul>                                                                                                                        | <ul style="list-style-type: none"><li>• Must align with state and county hazard mitigation policy. Most recent hazard mitigation document was published in 2023 for Hawai'i. Honolulu also has its own published local hazard mitigation plan.</li><li>• Must be an identified mitigation action.</li><li>• Must have a federally declared disaster.</li></ul> | <p><b>Site:</b> <a href="https://dod.hawaii.gov/hiema/hazard-mitigation-grant-program-hmgp-404-grant/">https://dod.hawaii.gov/hiema/hazard-mitigation-grant-program-hmgp-404-grant/</a></p> <p><b>Email:</b> <a href="mailto:hiema.hmgrants@hawaii.gov">hiema.hmgrants@hawaii.gov</a></p>                                                 |

| Administrative Agency                              | Program                                                                                                        | Type of Funding | Project Type                                                                         | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Award Amount                                                                                                                                                               | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                  | Application Deadlines                                                                                                                                                                                                                                                             | Prerequisites                                                                                                                                                                                                                                                                                | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                  |
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| United States Department of Transportation (USDOT) | Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation Program (PROTECT) | Grant           | Bike & Pedestrian Paths, Maritime Infrastructure, Roadway, Transportation            | Available          | <p>Grant funding through the Bipartisan Infrastructure Law, the program supports variety of projects aimed toward building resilience against a natural hazard. Planning, construction, and design call all be funded under this opportunity. Through PROTECT there are 4 grant opportunities that include planning, resilience improvements, evacuation route, and at-risk coastal infrastructure.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Highway construction;</li><li>• Transit systems and ports;</li><li>• Evacuation planning;</li><li>• Infrastructure improvements for resilience.</li></ul>                                                                                                                                                                                         | <p>A total of \$876 million has been allocated for the FY 2024-FY 2026 funding cycle.</p> <p><b>Award Minimum:</b> \$100,000</p> <p><b>Award Maximum:</b> \$60 million</p> | <ul style="list-style-type: none"><li>• A total of \$1.4 billion has been allocated over 5 years.</li><li>• Cost share requirements are typically 20% for applicants.</li><li>• Applicants can submit multiple applications and a project can be submitted for multiple grant categories.</li><li>• Only 40% of award funds can be used for construction.</li></ul>                                                                     | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 10/27/2025</li><li>• <b>Closing Date for State Applications:</b> 2/24/2026</li></ul>                                                                                                                                  | N/A                                                                                                                                                                                                                                                                                          | <p><b>Site:</b> <a href="https://www.transportation.gov/rural/grant-toolkit/promoting-resilient-operations-transformative-efficient-and-cost-saving">https://www.transportation.gov/rural/grant-toolkit/promoting-resilient-operations-transformative-efficient-and-cost-saving</a></p> <p><b>Email:</b> <a href="mailto:PROTECTdiscretionary@dot.gov">PROTECTdiscretionary@dot.gov</a></p> |
|                                                    | Safe Streets and Roads for All (SS4A) Grant Program                                                            | Grant           | Roadway Safety, Pedestrian & Bicycle Infrastructure, Traffic Calming, Transit Safety | Future Opportunity | <p>Established under the Infrastructure Investment and Jobs Act (IIJA), the program funds regional, local, and Tribal initiatives using a Safe System Approach. The Safe Streets and Roads for All (SS4A) program provides grants to prevent roadway fatalities and serious injuries. The program can support a variety of planning and implementation activities.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Development of comprehensive safety action plans;</li><li>• Pedestrian and bicycle safety infrastructure;</li><li>• Speed management;</li><li>• Transit safety improvements;</li><li>• Safety demonstration activities;</li><li>• Roadway design improvements for vulnerable users;</li><li>• EMS improvements;</li><li>• Behavioral and operational safety initiatives.</li></ul> | <p><b>Award Minimum:</b> \$100,000</p> <p><b>Award Maximum:</b> \$25 million</p> <p><b>Total FY 2026 Funding:</b> Approximately \$993 million</p>                          | <ul style="list-style-type: none"><li>• \$5 billion allocated over 5 years (2022-2026).</li><li>• Implementation Grants require an eligible Action Plan.</li><li>• Federal share typically up to 80%.</li><li>• Up to 50% of awards directed toward rural communities.</li><li>• Projects evaluated on safety impact, equity, and project readiness.</li><li>• Applicants may submit Action Plans for pre-application review.</li></ul> | <p>FY26 application period closed.</p> <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 3/27/2026</li><li>• <b>Closing Date for Applications:</b> 5/26/2026</li></ul> <p>FY 2026 period has closed, but marked as potential future opportunity pending FY27 cycle.</p> | <ul style="list-style-type: none"><li>• Must have or develop a Comprehensive Safety Action Plan.</li><li>• Implementation Grant applicants must have an eligible Action Plan approved by USDOT.</li><li>• Projects must address roadway safety problems identified in Action Plan.</li></ul> | <p><b>Site:</b> <a href="https://www.transportation.gov/grants/SS4A">https://www.transportation.gov/grants/SS4A</a></p> <p><b>Email:</b> <a href="mailto:SS4A@dot.gov">SS4A@dot.gov</a></p>                                                                                                                                                                                                 |

| Administrative Agency                                                            | Program                                                                    | Type of Funding | Project Type                                                                                                                  | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Award Amount                                                                                                                                                                                                                                                                                                                                        | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Application Deadlines                                                                                                                                                                                                                                    | Prerequisites                                                                                                                                                                          | Agency Contact Information                                                                                                                                                                                                                                                            |
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|                                                                                  | Better Utilizing Investments to Leverage Development (BUILD) Grant Program | Grant           | Surface Transportation Infrastructure, Roadway Culvert Repair, Rail Transportation                                            | Future Opportunity | <p>Previously known as the Rebuilding American Infrastructure with Sustainability and Equity (RAISE), the BUILD program supports transportation infrastructure for local and regional impact. These grants allow local governments, port authorities, transit authorities, and tribal governments fund complex infrastructure projects in urban, rural, and historically disadvantaged communities. Grant funds can be utilized for planning, design, and construction activities making potential drainage studies related to roadway drainage infrastructure eligible.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Master plan development;</li><li>• Risk assessment and planning for vulnerabilities of transportation infrastructure;</li><li>• Highway and bridge construction;</li><li>• Port infrastructure;</li><li>• Rail transportation;</li><li>• Roadway culvert replacement or rehabilitation;</li><li>• Surface transport sections of an airport project.</li></ul> | <p><b>Award Minimum:</b> \$1 million (Rural) and \$5 million (Urban) (planning projects do not have a minimum award size)</p> <p><b>Award Maximum:</b> \$25 million</p>                                                                                                                                                                             | <ul style="list-style-type: none"><li>• Cost share is based on project location and demographics. Urban populations require 20% cost share with 0% for rural and historically disadvantaged communities.</li><li>• The previous cycle had a total of \$488 million in grant awards.</li><li>• Applications that are well rated, but do not receive an award are classified as "Projects of Merit" these will then be carried over into the FY 2027 BUILD process.</li><li>• Requires a benefit-cost analysis and demonstration of project readiness.</li></ul> | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 12/15/2025</li><li>• <b>Closing Date for State Applications:</b> 2/24/2026</li><li>• <b>Award Selection:</b> 6/28/2026</li></ul>                                                             | N/A                                                                                                                                                                                    | <p><b>Site:</b> <a href="https://www.transportation.gov/BUILDgrants">https://www.transportation.gov/BUILDgrants</a></p> <p><b>Email:</b> <a href="mailto:BUILDgrants@dot.gov">BUILDgrants@dot.gov</a></p>                                                                             |
| United States Department of Commerce - Economic Development Administration (EDA) | FY 2025 Disaster Supplemental Grant                                        | Grant           | Public Infrastructure, Water Systems, Wastewater Systems, Railway, Transport and Aviation Revitalization, Disaster Resilience | Available          | <p>Funding towards post- disaster and economic recovery activities in areas that received major disaster declarations because of hurricanes, wildfires, severe storms and flooding, tornadoes, and other natural disasters occurring in calendar years 2023 and 2024. Emphasis is placed on potential private sector investment and regions experiencing severe economic distress or harm from natural disasters. The program is currently broken into three pathways which include readiness, implementation, and industry transformation.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Upgrades to public infrastructure/facilities;</li><li>• Workforce development;</li><li>• Capitalization of revolving loan funds;</li><li>• Industrial parks;</li><li>• Communication systems;</li><li>• Engineering design;</li><li>• Strategic planning;</li><li>• Revitalization of aviation, port, and harbor facilities.</li></ul>                                                     | <p><b>READINESS:</b></p> <p><b>Award Minimum:</b> \$250,000</p> <p><b>Award Maximum:</b> \$500,000</p> <p><b>IMPLEMENTATION:</b></p> <p><b>Award Minimum:</b> \$2 million</p> <p><b>Award Maximum:</b> \$20 million</p> <p><b>INDUSTRY TRANSFORMATION :</b></p> <p><b>Award Minimum:</b> \$20 million</p> <p><b>Award Maximum:</b> \$50 million</p> | <ul style="list-style-type: none"><li>• Application period varies with grant pathway.</li><li>• Funding is based on a first come first serve basis.</li><li>• No opportunity for alternative delivery.</li><li>• Typically requires 20% cost share, 100% of project cost may be covered for tribal and severely distressed communities.</li></ul>                                                                                                                                                                                                              | <ul style="list-style-type: none"><li>• <b>Posted Date:</b> 6/4/2025</li><li>• <b>Closing Date for State Applications:</b> 3/3/2026 for Industry Transformation Grant. On going until funding expended for Readiness and Implementation Grants</li></ul> | <ul style="list-style-type: none"><li>• Projects must indicate a clear job creation nexus for funding.</li><li>• Must have a declaration of major disaster in 2023 and 2024.</li></ul> | <p><b>Site:</b> <a href="https://www.eda.gov/strategic-initiatives/disaster-recovery/supplemental/2025">https://www.eda.gov/strategic-initiatives/disaster-recovery/supplemental/2025</a></p> <p><b>Email:</b> <a href="mailto:grantHDsupport@eda.gov">grantHDsupport@eda.gov</a></p> |

| Administrative Agency                                           | Program                                                    | Type of Funding | Project Type                                                                     | Availability | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Award Amount                                                                                                                                     | Funding Considerations                                                                                                                                                                                                                                   | Application Deadlines                                                                          | Prerequisites                                                                                                                                                                                                                                              | Agency Contact Information                                                                                                                                                                                                                                                                                                          |
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| United States Department of Housing and Urban Development (HUD) | Community Development Block Grant (CDBG) Disaster Recovery | Grant           | Disaster Recovery, Infrastructure Repair, Water/Wastewater Systems, Public Works | Available    | <p>CDBG DR supports the long-term recovery efforts following major disasters. Funding is allocated to rebuild disaster impacted areas. HUD will notify eligible States, cities and counties if they are eligible to receive CDBG-DR grants. HUD allocates funds based on unmet recovery needs. Funds are distributed upon the completion of a disaster recovery web page, action plan approval, environmental reviews, and execution of grant agreement with HUD.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Rebuild and repair of housing;</li><li>• Economic improvements post disaster;</li><li>• Restoration of damaged infrastructure;</li><li>• Repair or replacement of water and wastewater systems;</li><li>• Flood mitigation.</li></ul> | Amounts vary state, county, and city. Maui received approximately \$1.6 billion in CDBG-DR funds to address wildfire repairs.                    | <ul style="list-style-type: none"><li>• No cost share requirements.70% of funds provided through this program must be used to benefit low to moderate income persons/communities.</li></ul>                                                              | Application periods vary with timing of declaration and when agency has been provided funding. | Requires federal disaster declaration.                                                                                                                                                                                                                     | <p><b>Site:</b> <a href="https://www.hud.gov/hud-partners/community-cdbg-dr">https://www.hud.gov/hud-partners/community-cdbg-dr</a></p> <p><b>Contact:</b><br/>(808) 457-4662</p>                                                                                                                                                   |
|                                                                 | Section 108 Loan Guarantee Program Overview                | Loan            | Water Systems, Wastewater Systems, Septic                                        | Available    | <p>Provides CDBG recipients the ability to leverage their annual grant allocation to access low-cost, flexible financing for economic development, housing, public facility, and infrastructure projects. Local governments to borrow large amounts of capital for community and economic development projects.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• Economic development and job building;</li><li>• Public facility construction;</li><li>• Public work site improvements;</li><li>• Affordable housing construction and rehabilitation of publicly owned properties.</li></ul>                                                                                                                                                            | <p><b>Award Minimum:</b><br/>N/A</p> <p><b>Award Maximum:</b><br/>\$7 million (non-entitlement entity) and \$35 million (entitlement entity)</p> | <ul style="list-style-type: none"><li>• Program provides a reimbursement for costs incurred.</li><li>• Maximum repayment period for loans is 20 years; however, HUD can structure the amortization to meet the needs of project and borrowers.</li></ul> | Applications are on an ongoing basis.                                                          | <ul style="list-style-type: none"><li>• Must benefit low and moderate income persons and communities.</li><li>• Requires alignment with local community development goals.</li><li>• Project must have measurable or demonstrate public benefit.</li></ul> | <p><b>Site:</b> <a href="https://www.hudexchange.info/programs/section-108/section-108-program-eligibility-requirements/#overview">https://www.hudexchange.info/programs/section-108/section-108-program-eligibility-requirements/#overview</a></p> <p><b>Email:</b> <a href="mailto:section108@hud.gov">section108@hud.gov</a></p> |

| Administrative Agency                                  | Program                                    | Type of Funding | Project Type                                                                                         | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Award Amount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Application Deadlines                                                                                                                                                            | Prerequisites | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| National Fish and Wildlife Foundation                  | America's Ecosystem Restoration Initiative | Grant           | Waterway Conservation, Habitat Restoration, Watershed/Sea scape, Flooding Resilience                 | Future Opportunity | <p>A program offered through the National Fish and Wildlife Foundation. The American Ecosystem Restoration Initiative provides grant funding to locally led projects for the protection and restoration of both aquatic and terrestrial ecosystems. The program uses a mixture of private donations and federal funds to create this competitive program. The program provides a variety of grants across 4 main categories; Implementation, Planning, Sentinel Landscape, National Forests, Private Forests, Rangeland, and Farmland. OWH projects related to wetland and stream restoration would be viable candidates for this program.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Wildlife corridor creation;</li><li>Forest and grassland conservation/restoration;</li><li>Watershed restoration;</li><li>Community recreation.</li></ul> | <p>Funding is ranges with grant category:</p> <p><b>IMPLEMENTATION:</b></p> <p><b>Award Minimum:</b> \$1 million</p> <p><b>Award Maximum:</b> \$5 million</p> <p><b>PLANNING:</b></p> <p><b>Award Minimum:</b> \$200,000</p> <p><b>Award Maximum:</b> \$2 million</p> <p><b>SENTINEL LANDSCAPE:</b></p> <p><b>Award Minimum:</b> \$250,000</p> <p><b>Award Maximum:</b> \$1.5 million</p> <p><b>PRIVATE FORESTS, RANGELAND, AND FARMLAND GRANTS:</b></p> <p><b>Award Minimum:</b> \$200,000</p> <p><b>Award Maximum:</b> \$500,000</p> | <ul style="list-style-type: none"><li>Grants can be applied toward implementation, construction, planning, and design activities for public and private entities.</li><li>The 2024 funding cycle generated approximately \$183.4 million in grant funds.</li><li>Application materials must be submitted through the easy grant application portal.</li><li>Application process is in two steps; broken into a proposal and full proposal summary that details project information.</li><li>Projects must be compliant with Conserving and Restoring America the Beautiful report.</li><li>Forest Grant are contingent with US Forest Service award.</li><li>•Requires 10% of cost share, of that amount 2.5% must be cash.</li></ul> | <ul style="list-style-type: none"><li><b>Posted Date:</b> 1/24/2025</li><li><b>Closing Date for Applications:</b> The deadline for full proposals is typically in July</li></ul> | N/A           | <p><b>Site:</b></p> <p><a href="https://www.nfwf.org/programs/americas-ecosystem-restoration-initiative?activeTab=tab-3">https://www.nfwf.org/programs/americas-ecosystem-restoration-initiative?activeTab=tab-3</a></p> <p><b>Site:</b></p> <p><a href="https://fundingnaturebasedsolutions.nwf.org/programs/nfwf-america-the-beautiful-challenge/">https://fundingnaturebasedsolutions.nwf.org/programs/nfwf-america-the-beautiful-challenge/</a></p> <p><b>Report:</b></p> <p><a href="https://www.doi.gov/sites/doi.gov/files/report-conserving-and-restoring-america-the-beautiful-2021.pdf">https://www.doi.gov/sites/doi.gov/files/report-conserving-and-restoring-america-the-beautiful-2021.pdf</a></p> <p><b>Email:</b></p> <ul style="list-style-type: none"><li><a href="mailto:Sydney.Godbey@nfwf.org">Sydney.Godbey@nfwf.org</a></li><li><a href="mailto:Ericka.Popovich@nfwf.org">Ericka.Popovich@nfwf.org</a></li><li><a href="mailto:Zoey.Apelt@nfwf.org">Zoey.Apelt@nfwf.org</a></li></ul> |
| National Oceanic and Atmospheric Administration (NOAA) | Coastal Resilience Grants                  | Grant           | Coastal Protection, Habitat Protection,, Climate Protection, Natural Hazard Mitigation, Conservation | Unavailable        | <p>Through NOAA, the Coastal Resilience Grant program provides funds towards projects that build coastal resiliency and protect ecosystems. Applicants can range from universities to local governments located on or adjacent to the open ocean or shoreline. It should be noted that reef and wetland restoration projects in Hawai'i were previously selected for funding.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Reef protection;</li><li>Corral planting;</li><li>Shoreline protection;</li><li>Watershed restoration;</li><li>Fishery development</li><li>Establishment of conservation regions.</li></ul>                                                                                                                                                                                                                            | <p><b>Award Minimum:</b> \$200,000</p> <p><b>Award Maximum:</b> \$1.5 million</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>No match requirements.</li><li>NOAA favors implementation/ construction ready projects.</li><li>Evidence of environmental co-benefits can improve scoring.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <ul style="list-style-type: none"><li><b>Posted Date:</b> 3/7/2018</li><li><b>Closing Date for Applications:</b> 1/24/218</li></ul>                                              | N/A           | <p><b>Site:</b></p> <p><a href="https://www.fisheries.noaa.gov/grant/noaa-coastal-resilience-grants">https://www.fisheries.noaa.gov/grant/noaa-coastal-resilience-grants</a></p> <p><b>Email:</b></p> <p><a href="mailto:resilience.grants@noaa.gov">resilience.grants@noaa.gov</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Administrative Agency                        | Program                                  | Type of Funding           | Project Type                                                                                                                                   | Availability | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Award Amount                                                                                                                                                                                                                                                                                                                  | Funding Considerations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Application Deadlines                                                                                                                                                                                                                                                                                     | Prerequisites                                                                                                                                                                                                                                                                                        | Agency Contact Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| United States Army Corp of Engineers (USACE) | Effects of Sea Level Rise                | Grant                     | Sea Level Rise Modeling, Nature-Based Solutions, Coastal Vulnerability, Ecosystem Restoration, Coastal Flooding Mitigation, Climate Adaptation | On Hold      | <p>The Effects of Sea Level Rise (ESLR) Program through NOAA's National Centers for Coastal Ocean Science (NCCOS) provides competitive grant funding for research projects that evaluate and quantify the ability of nature-based solutions to mitigate the effects of sea level rise and inundation. The program provides science products and tools for coastal managers to evaluate coastal change under multiple sea level rise and management scenarios.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Coastal vulnerability assessments and modeling;</li><li>Nature-based infrastructure evaluation (barrier islands, wetlands, dunes);</li><li>Storm surge and coastal flooding mitigation research;</li><li>Ecosystem restoration planning;</li><li>Development of coastal adaptation strategies;</li><li>Event response monitoring and data collection.</li></ul> | <p><b>GENERAL COASTAL RESILIENCE:</b></p> <p><b>Award Minimum:</b> \$200,000 /year</p> <p><b>Award Maximum:</b> \$400,000 /year</p> <p><b>ALASKA REGIONAL COASTAL RESILIENCE:</b></p> <p><b>Award Minimum:</b> \$200,000 /year</p> <p><b>Award Maximum:</b> \$500,000 /year</p> <p>Project durations typically 2-4 years.</p> | <ul style="list-style-type: none"><li>Approximately \$4 million in total funding available per funding cycle.</li><li>2-4 projects typically funded under General Coastal Resilience; 1-2 projects under Alaska Regional focus area.</li><li>Projects must advance modeling approaches for predicting coastal change and quantifying vulnerability.</li><li>Priority given to projects that develop actionable information and products for management.</li><li>Partnership with local coastal managers encouraged.</li><li>Event Response Program provides modest funding for rapid mobilization during coastal events.</li></ul> | <p>Most recent FY 2024 opportunity:</p> <ul style="list-style-type: none"><li><b>Posted Date:</b> 9/26/2023</li><li><b>Letters of Intent Due:</b> 11/13/2023</li><li><b>Full Applications Due:</b> 1/24/2024</li></ul>                                                                                    | <ul style="list-style-type: none"><li>Projects must be located in coastal regions of the United States and territories.</li><li>Alaska Regional focus area requires at least one Alaska-based partner.</li><li>Research must address nature-based solutions for sea level rise mitigation.</li></ul> | <p><b>Site:</b></p> <p><a href="https://coastalscience.noaa.gov/science-areas/climate-change/ecological-effects-sea-level-rise-program/">https://coastalscience.noaa.gov/science-areas/climate-change/ecological-effects-sea-level-rise-program/</a></p> <p><b>Email:</b></p> <ul style="list-style-type: none"><li><a href="mailto:trevor.meckley@noaa.gov">trevor.meckley@noaa.gov</a> (Program Manager)</li><li><a href="mailto:christine.buckel@noaa.gov">christine.buckel@noaa.gov</a> (Geospatial Analytics)</li></ul> |
|                                              | Section 219:Environmental Infrastructure | Partnership/Co st Sharing | Water, Wastewater, Environmental Infrastructure                                                                                                | Available    | <p>The Section 219 Program supports the planning, design, and construction of water and sewer related projects for local communities. This extends to related environmental infrastructure and equipment.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>Water, wastewater, and stormwater treatment facilities;</li><li>Recycle water facilities;</li><li>Water transmission and wastewater conveyance;</li><li>Improvements to systems to meet regulatory requirements;</li><li>Improvements to system resiliency and reliability;</li><li>Projects to address water quality issues and emerging contaminants.</li></ul>                                                                                                                                                                                                                                                   | <p><b>Award Minimum:</b> N/A</p> <p><b>Award Maximum:</b> \$5 million</p>                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"><li>Cost share requirement of 25% of total design cost.</li><li>USACE is responsible for contracting and construction oversight.</li><li>Applicant would be responsible for operation, maintenance, repair, rehabilitation, and replace costs associated with completed project.</li></ul>                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"><li>Application process is ongoing; however, USACE must receive congressional authorization to being project.</li><li>Submittal of Initial Coordination form</li><li>Contact and engagement with Honolulu District Office would be required for this process.</li></ul> | <ul style="list-style-type: none"><li>Requires congressional authorization.</li><li>Funding is typically through legislation or earmarks.</li></ul>                                                                                                                                                  | <p><b>Email:</b> <a href="mailto:cepoh-pa@usace.army.mil">cepoh-pa@usace.army.mil</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Administrative Agency  | Program                         | Type of Funding       | Project Type                                          | Availability       | Program Description and Eligible Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Award Amount                                                                                                                                                                          | Funding Considerations                                               | Application Deadlines                                                                                                                                                                                             | Prerequisites                         | Agency Contact Information                                                                                                                     |
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| United States Congress | Congressional Directed Spending | Direct Appropriations | Water, Wastewater, Infrastructure, Energy, Facilities | Future Opportunity | <p>Members of Congress can request direct funding for specific projects in their home state for specific entities and projects (serving the public good) that have been submitted for consideration by state and local government entities and nonprofits. Projects with demonstrated community support are ranked higher for consideration.</p> <p><b>Eligible Projects:</b></p> <ul style="list-style-type: none"><li>• CWSRF eligible projects specifically; however DWSRF projects would also be eligible.</li><li>• Treatment</li><li>• Conveyance</li><li>• Consolidation</li><li>• Creation of new systems</li><li>• Land acquisition</li></ul> | <p>Total funding availability is limited to no more than 1 % of discretionary spending.</p> <p><b>Award Minimum:</b><br/>\$1 million</p> <p><b>Award Maximum:</b><br/>\$3 million</p> | <ul style="list-style-type: none"><li>• Cost share of 20%.</li></ul> | <ul style="list-style-type: none"><li>• Requests typically made in February or March.</li><li>• Funds disbursed as part of federal appropriations process in next FY typically in September or October.</li></ul> | Requires congressional authorization. | <p><b>Ed Chase:</b> (202) 225-2726 (DC) &amp; (808) 650-6688 (HI)</p> <p><b>Jill Tokuda:</b> (202) 225-4906 (DC) &amp; (808) 746-6220 (HI)</p> |