

# GREATER MONTEREY COUNTY INTEGRATED REGIONAL WATER MANAGEMENT PROGRAM

## APPLICATION FORM FOR IMPLEMENTATION PROJECTS AND CONCEPT PROPOSALS 2022

### GENERAL INSTRUCTIONS:

Both implementation project proposals and concept proposals are being accepted at this time. Only implementation projects, however, will be eligible to apply for the Proposition 1 IRWM Implementation Round 2 Grant. If you are interested in applying for IRWM Implementation Grant funds, please be sure to review the [Proposition 1 IRWM Guidelines](#) and [Round 2 Proposal Solicitation Package](#). Project proponents whose projects are selected for Round 2 will be required to submit additional information. Note that the deadline for the Regional Water Management Group to submit its Round 2 application to the Department of Water Resources is February 1, 2023.

Concept Proposals: If you would like to submit a concept proposal, you need only complete Section I of this application.

Implementation Projects: Please complete all sections of this application if you are interested in having your project considered for Round 2. If you are not interested in applying for Round 2, you need only complete Sections I and II.

**PROPOSALS ARE DUE BY JULY 15, 2022**

### SUBMIT APPLICATIONS TO:

Susan Robinson, Greater Monterey County IRWM Program Director  
[srobinsons@frontier.com](mailto:srobinsons@frontier.com)

If you do not have email access, you can mail or hand-deliver one copy of your application to:

Bridget Hoover  
Monterey Bay National Marine Sanctuary  
99 Pacific Street, Building 455, Monterey, CA 93940

### For questions about the IRWM Program:

Please visit our website: [www.greatermontereyirwmp.org](http://www.greatermontereyirwmp.org)  
or contact Susan Robinson at [srobinsons@frontier.com](mailto:srobinsons@frontier.com) or (802) 279-4615.

## SECTION I. PROJECT SUMMARY AND IRWM OBJECTIVES

**1. Name of Organization:**

**2. Type of Entity:**

- ☐ Local Public agency   ☐ Nonprofit organization   ☐ Public Utility   ☐ Mutual Water Company  
☐ Federally Recognized or State Indian Tribe

**3. Name of Contact Person:**

**4. Phone:**

**5. Email:**

**6. Project Title:**

**7. Type of Proposal:** Is your project an implementation project (developed, with budget) or a concept proposal?

- ☐ Implementation project  
☐ Concept proposal

**8. Project Summary:** Describe your project briefly in one short paragraph:

**9. Project Location:** Projects must be located within the Greater Monterey County IRWM region,<sup>1</sup> or otherwise be of direct benefit to the Greater Monterey County IRWM region. Where is your project located?

**10. IRWM Criteria:** To be eligible for inclusion in the IRWM Plan, projects must include one or more of the following elements. Please check all that apply:

- ☐ Water reuse and recycling for non-potable reuse and direct and indirect potable reuse  
☐ Water-use efficiency and water conservation  
☐ Local and regional surface and underground water storage, including groundwater aquifer cleanup or recharge projects  
☐ Regional water conveyance facilities that improve integration of separate water systems  
☐ Watershed protection, restoration, and management projects, including projects that reduce the risk of wildfire or improve water supply reliability  
☐ Storm water resource management, including, but not limited to, the following:
  - Projects to reduce, manage, treat, or capture rainwater or storm water
  - Projects that provide multiple benefits such as water quality, water supply, flood control, or open space
  - Decision support tools that evaluate the benefits and costs of multi-benefit storm water projects
  - Projects to implement a stormwater resource plan☐ Conjunctive use of surface and groundwater storage facilities  
☐ Water desalination projects  
☐ Decision support tools to model regional water management strategies to account for climate change and

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<sup>1</sup> The Greater Monterey County IRWM region includes most of Monterey County, with the exception of areas that are already included in other IRWMPs (specifically, the Pajaro River Watershed IRWM region and Monterey Peninsula, Carmel Bay, and South Monterey Bay IRWM region). These exceptions include: land areas within the San Jose Creek and Carmel River watersheds, land areas within the Pajaro River watershed, and most of the Monterey Peninsula (the Greater Monterey County region includes and runs north from Marina). For a map of the Greater Monterey County IRWM region, please go to: <http://www.greatermontereyirwmp.org/about/background/>.

- other changes in regional demand and supply projections
- ☐ Improvement of water quality, including drinking water treatment and distribution, groundwater and aquifer remediation, matching water quality to water use, wastewater treatment, water pollution prevention, and management of urban and agricultural runoff
- ☐ Regional projects or programs as defined by the IRWM Planning Act

**11. IRWM Plan Objectives:** The following objectives have been identified for the Greater Monterey County IRWM Plan. Please select all of the objectives that the project will address, and *very briefly* explain how your project will address each objective. For concept proposals, you need not provide the justification.

	Objective	Justification (Required for Implementation Projects only)
<b>Water Supply Goal</b>		
<input type="checkbox"/>	Increase groundwater recharge and protect groundwater recharge areas.	
<input type="checkbox"/>	Optimize the use of groundwater storage with infrastructure enhancements and improved operational techniques.	
<input type="checkbox"/>	Increase and optimize water storage and conveyance capacity through construction, repair, replacement, and augmentation of infrastructure.	
<input type="checkbox"/>	Diversify water supply sources, including but not limited to the use of recycled water.	
<input type="checkbox"/>	Maximize water conservation programs.	
<input type="checkbox"/>	Capture and manage storm water runoff.	
<input type="checkbox"/>	Optimize conjunctive use where appropriate.	
<input type="checkbox"/>	Support research and monitoring to better understand water supply needs.	
<input type="checkbox"/>	Support the creation of water supply certainties for local production of agricultural products.	
<input type="checkbox"/>	Promote public education about water supply issues and needs.	
<input type="checkbox"/>	Promote planning efforts to provide emergency drinking water to communities in the region in the event of a disaster.	
<b>Water Quality Goal</b>		
<input type="checkbox"/>	Promote practices necessary to meet, or where practicable, exceed all applicable water quality regulatory standards (for drinking water, surface and groundwater quality).	
<input type="checkbox"/>	Promote projects to prevent seawater intrusion.	
<input type="checkbox"/>	Incorporate or promote principles of low impact development where feasible, appropriate, and cost effective.	
<input type="checkbox"/>	Protect surface waters and groundwater basins from contamination and the threat of contamination.	
<input type="checkbox"/>	Support research and pilot projects for the co-management of food safety and water quality protection.	
<input type="checkbox"/>	Improve septic systems, sewer system infrastructure, wastewater treatment systems, and manure management programs to prevent water quality contamination.	
<input type="checkbox"/>	Support research and other efforts on salinity management.	
<input type="checkbox"/>	Support monitoring to better understand major sources of erosion, and implement a comprehensive erosion control program.	
<input type="checkbox"/>	Promote programs and projects to reduce the quantity and improve the quality of urban and agricultural runoff and/or mitigate their effects in surface waters, groundwater, and the	

	marine environment.	
<input type="checkbox"/>	Promote regional monitoring and analysis to better understand water quality conditions.	
<input type="checkbox"/>	Support research and utilization of emerging technologies (enzymes, etc.) to develop effective water pollution prevention and mitigation measures, and source tracking.	
<input type="checkbox"/>	Promote public education about water quality issues and needs.	
<b>Flood Protection &amp; Floodplain Management Goal</b>		
<input type="checkbox"/>	Promote projects and practices to protect infrastructure and property from flood damage.	
<input type="checkbox"/>	Improve flood management infrastructure and operational techniques/strategies.	
<input type="checkbox"/>	Implement flood management projects that provide multiple benefits such as public safety, habitat protection, recreation, agriculture, and economic development.	
<input type="checkbox"/>	Develop and implement projects to protect, restore, and enhance the natural ecological and hydrological functions of rivers, creeks, streams, and their floodplains.	
<input type="checkbox"/>	Support research and monitoring efforts to understand the effects of flooding on transport and persistence of pathogens in food crop production areas.	
<input type="checkbox"/>	Support management of flood waters so that they do not contaminate fresh produce in the field.	
<input type="checkbox"/>	Promote public education about local flood management issues and needs.	
<b>Environment Goal</b>		
<input type="checkbox"/>	Support science-based projects to protect, improve, enhance, and/or restore the region's ecological resources, while providing opportunities for public access and recreation where appropriate.	
<input type="checkbox"/>	Protect and enhance state and federally listed species and their habitats.	
<input type="checkbox"/>	Minimize adverse environmental impacts of water resource management projects.	
<input type="checkbox"/>	Support applied research and monitoring to better understand environmental conditions, environmental water needs, and the impacts of water-related projects on environmental resources.	
<input type="checkbox"/>	Implement fish-friendly stream and river corridor restoration projects.	
<input type="checkbox"/>	Reduce adverse impacts of sedimentation into streams, particularly from roads and non-point sources.	
<input type="checkbox"/>	Promote efforts to prevent, control, reduce, and/or eradicate high priority invasive species.	
<input type="checkbox"/>	Promote native drought-tolerant plantings in municipal and residential landscaping.	
<input type="checkbox"/>	Consider opportunities to purchase fee title or conservation easements on lands from willing sellers that provide integrated water resource management benefits. Ensure adequate funding and infrastructure to manage properties and/or monitor easements.	
<input type="checkbox"/>	Support research and monitoring efforts to understand the effects of wildfire events on water resources.	
<b>Regional Communication and Cooperation Goal</b>		
<input type="checkbox"/>	Facilitate dialogue and reduce inconsistencies in water management strategies/regulations between local, regional, state, and federal entities.	

<input type="checkbox"/>	Promote dialogue between federal and state regulators and small water system managers to facilitate water quality regulation compliance.	
<input type="checkbox"/>	Foster collaboration between regional entities to minimize and resolve potential conflicts and to obtain support for responsible water supply solutions and improved water quality.	
<input type="checkbox"/>	Build relationships with federal, state, and local regulatory agencies and other water agencies to facilitate the permitting, planning, and implementation of water-related projects.	
<input type="checkbox"/>	Increase stakeholder input and public education about the need, complexity, and cost of strategies, programs, plans, and projects to improve water supply, water quality, flood management, coastal conservation, and environmental protection.	
<b>Disadvantaged Communities (DACs) Goal</b>		
<input type="checkbox"/>	Seek funding opportunities to ensure all communities have a water system with adequate, safe, high-quality drinking water.	
<input type="checkbox"/>	Seek funding opportunities to ensure all communities have adequate wastewater treatment.	
<input type="checkbox"/>	Ensure that DACs are adequately protected from flooding and the impacts of poor surface and groundwater quality.	
<input type="checkbox"/>	Provide support for the participation of DACs in the development, implementation, monitoring, and long-term maintenance of water resource management projects.	
<input type="checkbox"/>	Promote public education in DACs about water resource protection, pollution prevention, conservation, water quality, and watershed health.	
<b>Climate Change Goal</b>		
<input type="checkbox"/>	Plan for potential impacts of future climate change.	
<input type="checkbox"/>	Support increased monitoring and research to obtain greater understanding of long-term impacts of climate change in the Greater Monterey County region.	
<input type="checkbox"/>	Support efforts to research alternative energy and to diversify energy sources appropriate for the region, and consider options for using renewable energy where such options are integrally tied to supporting IRWM Plan objectives.	
<input type="checkbox"/>	Seek long-term solutions to reduce energy consumption, especially the energy embedded in water use, with a goal to reducing greenhouse gas (GHG) emissions	
<input type="checkbox"/>	Seek long-term solutions to maintain and protect existing pristine natural resources from the impacts of climate change.	
<input type="checkbox"/>	Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge.	
<input type="checkbox"/>	Consider the effects of sea level rise on water supply conditions and identify suitable adaptation measures.	
<input type="checkbox"/>	In considering ways to address IRWM Plan objectives and implement the Plan, consider where practical the strategies adopted by California Air Resources Board (CARB) in its AB 32 Scoping Plan.	
<input type="checkbox"/>	Support research and/or implementation of land-based efforts such as carbon-sequestration on working lands and wildlands in the Greater Monterey County region.	
<input type="checkbox"/>	Promote public education about impacts of climate change, particularly as it relates to water resource management in the Greater Monterey County region.	

## SECTION II. IMPLEMENTATION PROJECT DETAILS

*This section is required for all implementation projects. If your project is a concept proposal, STOP HERE.*

### 1. Do you want your project to be considered for Round 2 of the Proposition 1 IRWM Implementation Grant Program?

☐ Yes      ☐ No

**2. Resource Management Strategies:** One of the goals of integrated regional water management planning is to encourage diversification of water management approaches. Please select the strategies that your project will employ (check all that apply):

#### Reduce Water Demand

- ☐ Agricultural Water Use Efficiency
- ☐ Urban Water Use Efficiency

#### Improve Operational Efficiency and Transfers

- ☐ Conveyance
- ☐ System Reoperation
- ☐ Water Transfers
- ☐ Infrastructure Reliability

#### Increase Water Supply

- ☐ Conjunctive Management & Groundwater Storage
- ☐ Desalination
- ☐ Precipitation Enhancement
- ☐ Recycled Municipal Water
- ☐ Surface Storage
- ☐ Storm Water Capture and Management

#### Improve Water Quality

- ☐ Drinking Water Treatment and Distribution
- ☐ Groundwater/Aquifer Remediation
- ☐ Matching Water Quality to Use
- ☐ Pollution Prevention
- ☐ Salt and Salinity Management
- ☐ Urban Runoff Management
- ☐ Water and Wastewater Treatment

#### Practice Resources Stewardship

- ☐ Agricultural Lands Stewardship
- ☐ Ecosystem Restoration
- ☐ Forest Management
- ☐ Land Use Planning and Management
- ☐ Recharge Area Protection
- ☐ Sediment Management
- ☐ Watershed Management
- ☐ Environmental and Habitat Protection and Improvement
- ☐ Wetlands Enhancement and Creation

#### Improve Flood Management

- ☐ Flood Management

#### People and Water

- ☐ Economic Incentives (Loans, Grants, and Water Pricing)
- ☐ Outreach, Engagement, and Education
- ☐ Water and Culture
- ☐ Water-Dependent Recreation
- ☐ Regional Cooperation
- ☐ Recreation and Public Access

#### Other Resource Management Strategies

- ☐ Dewvaporation or Atmospheric Pressure Desalination
- ☐ Fog Collection
- ☐ Rainfed Agriculture
- ☐ Monitoring and Research

**3. Climate Change Adaptation:** Does your project contribute to climate change adaptation? If so, what climate change vulnerabilities in the region does your project respond to, specifically? Please briefly describe how, and to what extent. (For vulnerabilities in the Greater Monterey County IRWM region, see [Chapter R Climate Change of the IRWM Plan, Section R6.](#))

**4. Reduction of Greenhouse Gas Emissions:** Please briefly describe the extent to which your project will help reduce energy use and greenhouse gas (GHG) emissions. For assistance in estimating GHG emissions, please use the [California Emissions Estimator Tool \(CalEEMod\)](#). Guidance documents for using the tool are available [here](#).

**5. Project Description (1 page max):** Please describe the proposed project. Provide a general discussion of the problem the project addresses, and outline major tasks/activities.

**6. Project Benefits:** Briefly describe the project's primary (and secondary, if applicable) quantitative benefits.

**7. Project Need/Urgent Need:** Is there a special, urgent, or critical need for your project? If so, briefly explain.

**8. CEQA and Permits:** Projects must have CEQA and permits necessary to begin construction acquired within 12 months of final award. What is the status of CEQA and permits?

**9. Budget:** Please complete the following budget table. Implementation projects require a minimum non-State funding match of 50% (may include in-kind funds). Projects that address a critical water resource need of a disadvantaged community may be exempt from this requirement, or may have some of the match requirement waived. (Please refer to the [Round 2 IRWM Implementation Grant Proposal Solicitation Package](#) for details, pp. 12-13.) Note that project administration must be less than 10% of requested grant funds (and for purposes of Round 2, may be limited to much less than that).

	Requested Grant Amount	Non-State Cost Share	Other State Cost Share	Total Cost
(a) Project Administration				
(b) Land Purchase/Easement				
(c) Planning/Design/Engineering/Environmental				
(d) Construction/Implementation				
<b>(e) Total</b>				

**10. Disadvantaged Communities:** Does the project provide direct water-related benefits to a project area comprised of at least 75% Disadvantaged Communities (DACs) and/or Economically Distressed Areas (EDAs)? If so, explain. Please refer to the [Round 2 Proposal Solicitation Package](#) pp. 12-14 for guidance (or ask Susan Robinson for assistance).

**11. AB 1249 Requirements:** Does the project address nitrate, arsenic, or hexavalent chromium contamination in the region? If so, how?

**12. New or Innovative Technology:** Does the project employ new or innovative technology or practices, including decision support tools that support the integration of multiple jurisdictions, including, but not limited to, water supply, flood control, land use, and sanitation? If so, please briefly describe.

### SECTION III. COMPLIANCE FOR ROUND 2 IRWM IMPLEMENTATION GRANT

Complete this section only if you would like your project to be considered for the Round 2 application.

To be eligible for IRWM Implementation Grant funds, project proponents must comply with the following.

#### 1. Adoption of IRWM Plan

Proposition 1 IRWM Program Guidelines require that each project proponent named in an IRWM Grant application adopt the IRWM Plan. Please select if your agency/organization:

- ☐ Has already adopted the IRWM Plan  
☐ Hereby commits to adopting the IRWM Plan, if the project is selected for the Round 2 application

#### 2. Project's Useful Life

Will the project have an expected useful life of at least 15 years? ☐ Yes ☐ No

#### 3. Project Readiness

Will the project be ready-to-go and able to be completed by September 30, 2027? ☐ Yes ☐ No

**4. Storm Water Resource Plan Requirements:** All storm water projects and/or dry weather runoff capture projects must be included in a Storm Water Resource Plan. Projects that benefit a disadvantaged community with a population of 20,000 or less that is not a co-permittee for a MS4 NPDES permit issued to a municipality with a population greater than 20,000, are exempt from this requirement.

Is the project a storm water or dry weather runoff capture project? ☐ Yes ☐ No

If so, is it included in a Storm Water Resource Plan (or otherwise exempt)? ☐ Yes ☐ No ☐ N/A

**5. Groundwater Management Compliance:** For groundwater projects or other projects that directly affect groundwater levels or quality in a high or medium priority basin, documentation that the project has support from the Groundwater Sustainability Agency will be required.

Will the project affect groundwater levels or quality in a high or medium priority basin? ☐ Yes ☐ No

#### 6. Urban Water Management Compliance

If your agency meets the definition of an urban water supplier ("supplier, either publicly or privately owned, that provides water for municipal purposes, either directly or indirectly, to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually"), you must demonstrate compliance with certain requirements:

- DWR-approved 2020 Urban Water Management Plan
- Verification from DWR that your agency submitted a validated water loss audit report (SB 555).
- Compliance with the water metering requirements (CWC section 525)
- Compliance with the State Water Resources Control Board's Water Conservation and Production Reporting requirement.

- ☐ My agency is an urban water supplier and I can verify compliance with these requirements.  
☐ My agency is an urban water supplier but I cannot verify compliance.  
☐ N/A: My agency is not an urban water supplier.



### **7. Agricultural Water Management and Measure Compliance**

If your agency/organization is an agricultural water supplier, certain requirements apply. Please see pp. 24-25 of the [Round 2 Proposal Solicitation Package](#). Does your agency/organization comply with these requirements?

- ☐ My agency is an agricultural water supplier and I can verify compliance with these requirements.
- ☐ My agency is an agricultural water supplier but I cannot verify compliance.
- ☐ N/A: My agency is not an agricultural water supplier.

### **8. Surface Water Diverter Compliance**

If your agency/organization is a surface water diverter, you must state whether your agency/organization has submitted to the State Water Resources Control Board your annual surface water diversion reports. Is your agency/organization a surface water diverter, and if so, can it meet this requirement?

- ☐ My agency is a surface water diverter and I can verify that we meet this requirement.
- ☐ My agency is a surface water diverter but I cannot verify compliance with this requirement.
- ☐ N/A: My agency is not a surface water diverter.

**END OF APPLICATION**