

BUDGET NARRATIVE

Siskiyou County Flood Control and Water Conservation District | Integrated Hydrologic Tools for Shasta Valley Groundwater Sustainability

1. Budget Overview

Total Project Cost: *Sum of all allowable costs, including all cost share and third-party contributions. Enter total: \$844,500*

Federal Funds Requested: *\$380,000*

Non-Federal Cost Share: *Required and/or voluntary. Enter total: \$464,500*

Third-Party Contributions: *Enter total: \$0*

Pre-Award Costs (if any): *See Section 10 for details. Enter total: \$381,500*

2. Personnel

Item / Description	Federal \$	Non-Federal Cost Share \$	Third-Party \$	Total \$
<i>Dedicated District GSA Staff</i>	\$0	\$83,000	\$0	\$83,000
Personnel Subtotal	\$0	\$83,000	\$0	\$83,000

The District Groundwater Sustainability Agency (GSA) Manager serves as Project Manager (application, Criterion C.5), providing project oversight, stakeholder coordination, and field support coordination throughout the project period. For this particular basin, this position is budgeted at one-third of one FTE at the County's established rate of \$70.56/hr (\$146,765/yr). Of that allocation, 75 percent is claimed as non-Federal cost share per the County cost-share planning table (Cost Share Table.xlsx, June 2026), resulting in contributions of \$36,500 in FY2027-28, \$36,500 in FY2028-29, and \$10,000 for the quarter spanning July–September, 2029. The County funds this staff time through its GSA budget; no Federal funds are requested for this position. Labor rates represent actual budgeted compensation and are consistently applied to Federal and non-Federal activities.

3. Fringe Benefits

Item / Description	Federal \$	Non-Federal Cost Share \$	Third-Party \$	Total \$
<i>None</i>	\$0	\$0	\$0	\$0
Fringe Benefits Subtotal	\$0	\$0	\$0	\$0

No fringe benefit costs are claimed under this award. Fringe benefits associated with the District GSA Manager position are covered through the County's standard operating budget and are not separately identified or claimed as either Federal or non-Federal cost share for this project.

4. Travel

Item / Description	Federal \$	Non-Federal Cost Share \$	Third-Party \$	Total \$
<i>No travel expenses are anticipated in the execution of the project work described.</i>	\$0	\$0	\$0	\$0
Travel Subtotal	\$0	\$0	\$0	\$0

No travel costs are claimed under this award. The District GSA office is located within the Shasta Valley Basin, and all project-related field work, monitoring, and stakeholder engagement activities are accessible without reimbursable travel.

5. Equipment

Item / Description	Federal \$	Non-Federal Cost Share \$	Third-Party \$	Total \$
<i>None. No items of equipment with unit cost of \$5,000 or more. Field instruments are used under daily rental rates within the consultant contract.</i>	\$0	\$0	\$0	\$0
Equipment Subtotal	\$0	\$0	\$0	\$0

No equipment purchases are claimed under this award. All equipment necessary to support project activities is provided by contracted partners and is accounted for within the contractual costs described in Section 7.

6. Supplies

Item / Description	Federal \$	Non-Federal Cost Share \$	Third-Party \$	Total \$
<i>None as a separate category. Sampling consumables are included in the consultant contract direct costs.</i>	\$0	\$0	\$0	\$0
Supplies Subtotal	\$0	\$0	\$0	\$0

No supply costs are claimed under this award. All supplies necessary to support project activities are provided by contracted partners and are accounted for within the contractual costs described in Section 7.

7. Contractual / Subawards

Item / Description	Federal \$	Non-Federal Cost Share \$	Third-Party \$	Total \$
<i>Model Refinement</i>	\$102,000	\$102,000	\$0	\$204,000
<i>Climate Forecasting</i>	\$86,250	\$86,250	\$0	\$172,500
<i>AI Tools</i>	\$72,500	\$72,500	\$0	\$145,000
<i>LLNL Isotopes</i>	\$65,000	\$65,000	\$0	\$130,000
<i>Project Management</i>	\$54,250	\$55,750	\$0	\$110,000
Contractual Subtotal	\$380,000	\$381,500	\$0	\$761,500

Larry Walker Associates (LWA) serves as the District's primary technical contractor and will lead all hydrologic modeling, climate forecasting tool development, AI-assisted stakeholder engagement tool development, and project management and reporting activities over the period of performance (Fall 2027 – September 2029). LWA has been the District's primary technical partner since the development of the Shasta Valley GSP (adopted January 2022) and has continued in that role through ongoing GSP implementation, providing deep familiarity with basin hydrology, existing model infrastructure, stakeholder relationships, and management priorities. Lawrence Livermore National Laboratory (LLNL) serves as a specialized subcontractor for the isotope study task, bringing unique laboratory infrastructure for the full suite of environmental tracers proposed under that task and prior experience in northern California volcanic systems including Shasta Valley. Federal funds requested under this section will support the continuation and completion of work initially advanced under the pre-award DWR SGMA Implementation Grant activities described in Section 10. Subcontractor costs were determined based on best professional judgement of the time required to complete each project multiplied by the subcontractor's rate for the given staff person(s) designated for each task.

8. Other Direct Costs

Item / Description	Federal \$	Non-Federal Cost Share \$	Third-Party \$	Total \$
<i>None charged.</i>	\$0	\$0	\$0	\$0
Other Direct Costs Subtotal	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>	<i>\$0</i>

No other direct costs are claimed under this award. All direct costs associated with this project are captured within the Personnel and Contractual categories described in Sections 2 and 7, respectively.

9. Indirect Costs

No indirect costs are claimed under this award. The budget as presented does not include indirect costs or application of the de minimis rate.

10. Pre-Award Costs (if applicable)

Item / Description	Federal \$	Non-Federal Cost Share \$	Third-Party \$	Total \$
<i>Model Refinement</i>	\$0	\$102,000	\$0	\$102,000
<i>Climate Forecasting</i>	\$0	\$86,250	\$0	\$86,250
<i>AI Tools</i>	\$0	\$72,500	\$0	\$72,500
<i>LLNL Isotopes</i>	\$0	\$65,000	\$0	\$65,000
<i>Project Management</i>	\$0	\$55,750	\$0	\$54,250
Pre-Award Costs Subtotal	<i>\$0</i>	<i>\$381,500</i>	<i>\$0</i>	<i>\$381,500</i>

Pre-award costs totaling \$381,500 in non-Federal funds are claimed under this section, representing work on the five project tasks initiated under the District's existing DWR SGMA Implementation Grant (Agreement No. 4600015627, as amended August 2025) prior to the anticipated federal award date. These costs are incurred after the posting date of this NOFO and are therefore eligible as pre-award cost.

The pre-award work under each task represents meaningful and substantive progress including advancing model refinement, climate forecasting tool development, AI-assisted engagement tools, isotope study coordination, and project management under the existing DWR implementation framework. However, the WaterSMART federal funding requested in Section 7 is necessary to ensure that all project deliverables are completed to the level of quality, rigor, and scope required to fully meet the project's goals. The pre-award work and the federally funded work are therefore conceived as a continuous, integrated effort: the DWR-funded phase establishes the foundation, and

the WaterSMART-funded phase ensures that foundation is built upon to produce complete, high-quality, and fully realized products. Pre-award costs are allocated across tasks as shown in the table above and reflect the non-Federal cost share contribution of State SGMA Implementation Grant funds to each task.

11. Non-Federal Cost Share and Third-Party Contributions

Item / Description	Federal \$	Non-Federal Cost Share \$	Third-Party \$	Total \$
<i>Dedicated District GSA Staff</i>	\$0	\$83,000	\$0	\$83,000
<i>Model Refinement</i>	\$0	\$102,000	\$0	\$102,000
<i>Climate Forecasting</i>	\$0	\$86,250	\$0	\$86,250
<i>AI Tools</i>	\$0	\$72,500	\$0	\$72,500
<i>LLNL Isotopes</i>	\$0	\$65,000	\$0	\$65,000
<i>Project Management</i>	\$0	\$55,750	\$0	\$55,750
Cost Share / Third Party Total	<i>\$0</i>	<i>\$464,500</i>	<i>\$0</i>	<i>\$464,500</i>

Non-Federal cost share for this project totals \$464,500 and is provided from two sources. The Siskiyou County Flood Control and Water Conservation District contributes \$83,000 in in-kind services in the form of dedicated GSA Manager staff time allocated to project oversight, stakeholder coordination, and field support coordination, as described in Section 2. These costs reflect the County's budgeted GSA staffing allocation to the Shasta Valley Basin and are funded through County appropriations during the grant-funded timeframe.

The remaining \$381,500 in non-Federal cost share is provided through California Department of Water Resources SGMA Implementation Grant funds (Agreement No. 4600015627, as amended August 2025), allocated across the Model Refinement, Climate Forecasting, AI Tools, LLNL Isotopes, and Project Management tasks. These funds are claimed as pre-award costs as described in Section 10, representing DWR-funded work on project tasks incurred after the posting date of this NOFO and prior to the anticipated federal award. A copy of the executed DWR grant agreement is available upon request.

12. Environmental and Regulatory Compliance Costs

No environmental or regulatory compliance costs are anticipated under this award. The proposed project consists entirely of data collection, hydrologic modeling, isotope analysis, and development of analytical and stakeholder engagement tools. These activities involve no ground disturbance, construction, or physical alteration of land or water resources, and are therefore not expected to trigger compliance requirements under the National Environmental Policy Act, the National Historic Preservation Act, the

Endangered Species Act, or other applicable State or Federal environmental and cultural resources laws and regulations.

13. Program Cost Restrictions — Attestation

The following costs are NOT eligible project costs and must NOT be included in the project budget. Please confirm compliance by initialing next to each restriction:

- *Proposal preparation costs: Costs for preparing and submitting this application, including developing data necessary to support the proposal, are not eligible. ____MP____ (initials)*
- *Purchase of water or land, or securing an easement other than a construction easement, are not eligible project costs. ____MP____ (initials)*

Add any clarifying statements regarding cost restrictions here, if applicable.

14. Budget Summary

Budget Category	Federal \$	Non-Federal / Cost Share \$	Total \$
Personnel	\$0	\$83,000	\$83,000
Fringe Benefits	\$0	\$0	\$0
Travel	\$0	\$0	\$0
Equipment	\$0	\$0	\$0
Supplies	\$0	\$0	\$0
Contractual / Subawards	\$380,000	\$381,500	\$380,000
Other Direct Costs	\$0	\$0	\$0
Indirect Costs	\$0	\$0	\$0
Total	\$380,000	\$464,500	\$844,500