

**SAFE DRINKING WATER STATE REVOLVING FUND
APPLICANT ENGINEERING REPORT
Construction Funds**

Water System Name: _____

Project Number: _ _ _ _ _ - _ _ _ _ C

Principal Contact: _____

Name and Title

Phone Number and Email Address

Project Engineer: _____

Name and Title

Phone Number and Email Address

California Civil Engineering License Number

NOTE TO APPLICANT: Please refer to **Part C** of the Construction Application Guidelines (Enclosure 2c) for additional guidance on how to complete the following sections.

A. WATER SYSTEM INFORMATION

- Describe the water system and its facilities. Include details relating to source, storage, treatment, and distribution system.

- Attach a schematic/map of the system which includes the existing facilities as described above.
- Agency that has jurisdiction over the water system
☐ CDPH ☐ LPA: _____ (list the LPA county)
- Water Permit status, including the permit number, issue date, and a list of any amendments

B. PROBLEM DESCRIPTION

- Describe the ranked problem being addressed by the project and attach supporting documents to justify the ranking. (Include the last two years of water quality data, most recent compliance orders, violations, citations, etc.)

C. ALTERNATIVE SOLUTIONS

- Describe each alternative considered to correct the problem described in Section B. Include the feasibility of consolidating with one or more water systems.

D. SELECTED CONSTRUCTION PROJECT

- Describe the proposed construction project and identify all major components.
- _____
- Describe how this project will solve the problem and provide an analysis of its effectiveness. List all anticipated operational challenges that the project may impose and include any proposed solutions.

- Determine if the project is consistent with local/county planning. List the local/county planning documents used to make the determination.
- _____
- Does the project contain, either partially or completely, green infrastructure components as defined by CDPH guidance (Enclosure 7)? ☐ Yes ☐ No
If **yes**, enter the estimated cost of the green portion and describe the green elements below.

- Is the selected construction project a consolidation project? ☐ Yes ☐ No
If **yes**, please list all parties involved and identify the restructuring water system that will remain after the project is complete. A Supplemental Information Form (enclosure 13) for each involved water system must be submitted with the application.

E. ELIGIBILITY

- List any project elements that may be ineligible or partially eligible.
- _____
- List any land that will be purchased or acquired for this construction project, discuss the necessity for such land, and justify the appropriateness of the size of the land being purchased. (NOTE: Only land or land access that is integral to the construction of source, treatment or distribution facilities is eligible for SDWSRF funding).

F. FINAL PLANS AND SPECIFICATIONS

- Describe the final plans and specifications as well as other technical aspects of the project, including the overall conceptual design (e.g. layout, flow diagrams, choice of unit processes, redundancy, reliability features).

- Attach a schematic/map of the system which includes the proposed facilities as described above.
- Provide water demand and capacity statistics used to design the project. Include a description of the methodology used to determine the peak flow water demands, the anticipated growth and its resultant water demand, and fire flow.

- Describe how industrial and commercial water users impact the peak flow demand.

- List all major project components and identify their estimated useful life.

- Attach a detailed cost breakdown of the entire project, which lists all major construction components, non-construction costs, and ineligible items.

- The total project cost is \$_____
- The eligible project cost is \$_____
- The annual increase in operations/maintenance cost is \$_____

G. PROPOSED SCHEDULE

Attach a project schedule. Construction projects are required to be completed no later than three years from the funding agreement execution date.

H. ATTACHMENTS TO TECHNICAL REPORT

Please attach the following documents to be included with this SDWSRF Applicant Engineering Report. Make sure your water system's name and pre-application number are on every additional attachment.

	Attached Information
☐	Schematic/map of system's existing facilities
☐	Documents justifying the ranked problem
☐	Schematic/map of system's proposed facilities
☐	Detailed cost estimate
☐	Proposed project schedule

Report prepared by:

Authorized Representative's Signature

Date

Authorized Representative's Name

Authorized Representative's Title