Division of Financial Assistance

Availability of Capital and Operations and Maintenance Cost

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Office of Sustainable Water Solutions
Outline

- Overview
- Eligible Projects/Applicants
- Types of Funding
- Cost Estimates - Planning Projects
- Cost Estimates - Construction Projects
- Emergency Drinking Water/Drinking Water for Schools
- O&M - What We Do/Don’t Have
- Factors That Could Affect Costs
- Questions
Overview

- The Division of Financial Assistance (DFA) administers the State Water Resources Control Board's (State Water Board) financial assistance programs, including loan and grant funding for water system improvements.
- The Office of Sustainable Water Solutions (OSWS) provides technical assistance and other support for small, disadvantaged communities.
Eligible Projects

- Planning, design and construction of drinking water infrastructure projects including:
  - Treatment systems
  - Distribution systems
  - Interconnections
  - Consolidations
  - Water sources
  - Water meters
  - Water storage tanks
Eligible Applicants

- Publicly owned Community Water Systems (CWS)
  - Counties, cities, and districts

- Privately owned CWSs
  - Mutual water companies

- Non-Profit Non-Community Water Systems
  - Public school districts
Eligible Costs – Planning Projects

- Planning Projects
  - Feasibility studies and project reports
  - Engineering and design documents
  - Environmental documents
  - Drilling of test wells
  - Pilot studies
  - Technical, Managerial, and Financial (TMF) assessments and supporting documents
  - Consolidation agreements
Eligible Costs – Construction Projects

- Construction Projects
  - Purchase and installation of treatment facilities
  - Drilling and equipping of production wells
  - Consolidation project components
  - Replacement of pipelines and water mains
  - Purchase and installation of water supply meters
  - Pump stations
  - Interties
  - Storage Tanks
  - Consolidation project costs (connection fees, sources to meet demand)
Technical Assistance

- Technical Assistance
  - Funding application assistance
  - Legal assistance
  - Income surveys
  - Technical, Managerial, and Financial (TMF) Assessments
  - Rate studies
  - Board or operator training
Cost Estimates - Planning Projects

- Preliminary Engineering Report (PER)/Feasibility Studies
  - Includes alternatives analysis with estimated capital and O&M costs to address water quality issues or system deficiencies
Cost Estimates – Planning Projects

- Final Engineering Report
- Final design of selected construction project with detailed opinion of probable capital and O&M costs
Cost Estimate - Availability
# Planning Project Estimates

<table>
<thead>
<tr>
<th>Applicant</th>
<th>County</th>
<th>Service Connections</th>
<th>Population</th>
<th>Type of Treatment</th>
<th>Estimated Capital Costs</th>
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<tbody>
<tr>
<td>Plumas Eureka CSD</td>
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<td>55</td>
<td>1,525</td>
<td>Arsenic</td>
<td>$2M</td>
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</table>
Reimbursement - Planning Projects

- Reimbursement requests
- Invoices for actual costs of test wells, pilot studies, consulting rates, etc.
- Availability: contractor, consulting invoices submitted via hard copy and filed in project folders; invoices not available electronically in project database
Cost Estimates - Construction Projects

- Final engineering report and plans and specs (if finalized in construction agreement)
  - Engineers detailed opinion of probable capital costs
- Availability: pdf copies of engineering report and estimated costs uploaded to our project database
Cost Estimates - Construction Projects

- Final Budget Approval (FBA)
  - Tabulation of all bids and proposals received, cost comparison with consulting engineers’ estimate, breakdown of construction and soft costs for project, change orders

- Availability: electronic copies of FBA documents, bid packages, and supporting documentation uploaded into our project database
Reimbursement – Construction Projects

- Reimbursement requests
  - Invoices for actual construction costs from contractors, consulting rates
  - Availability: contractor, consulting invoices submitted via hard copy and filed; invoices not available electronically in project database
Emergency Drinking Water/Drinking Water for Schools Programs

- **Interim Drinking Water** (bottled and hauled water)
  - Estimates and actual costs of interim drinking water from vendors
  - Data available electronically or hard copy in project files

- **Point of Use**
  - Estimates and actual costs for labor, materials, monitoring, and installation
  - Data available electronically in project files
O&M - What We Do and Don’t Have

- What we don’t have
  - Ongoing O&M costs for grant funded projects

- What we do have
  - Limited ongoing O&M data for loan projects
Factors That Could Affect Costs

- Proximity of water system/community to nearest public water systems (PWSs) for consolidation projects
- Location and accessibility of water system/community (rural vs urban)
- Demand for specific trades (i.e. well drillers during drought)
- No or single bidder on construction projects
- Regulatory review of project (e.g. Division of the State Architect (DSA) for school water system projects)
- Compliance with federal cross cutters (DWSRF: American Iron and Steel (AIS), Davis-Bacon, and Disadvantaged Business Enterprise (DBE))
Thanks!

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