



Membrane Pre-Selection Request For Proposal

City of San Luis Obispo Water Resource Recovery Facility Project
Mandatory Pre-proposal Conference - July 7, 2017



CITY OF SAN LUIS OBISPO

Water Resource Recovery Facility Project



Community Asset Outcomes

- Water quality
- Environmental habitat
- Reliable compliance
- Maximizing recycled water production
- Community learning
- Safe and productive workforce



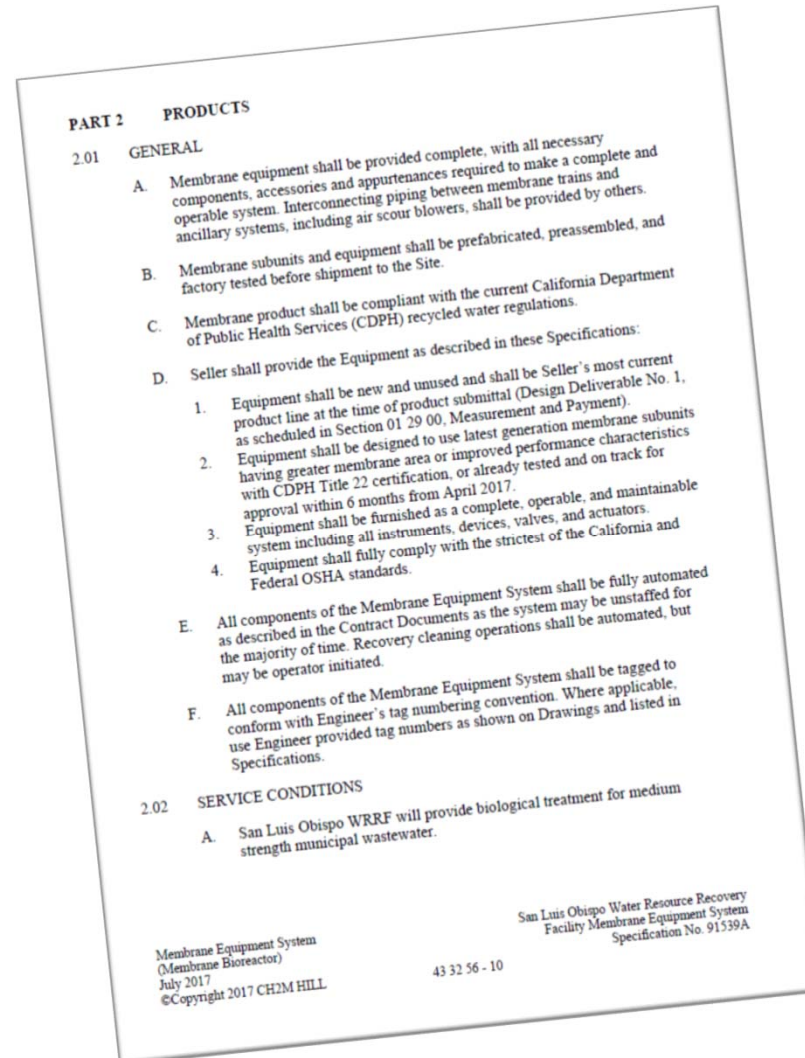
Water Resource Recovery Facility Project

- Currently in 60% Design
- Clean Water State Revolving Fund primary source of funding
- Construction expected to begin June 2018



Membrane Equipment System Scope of Supply

- Membrane Equipment System (Membrane Bioreactor) as described in 43 32 56 of the Contract Documents



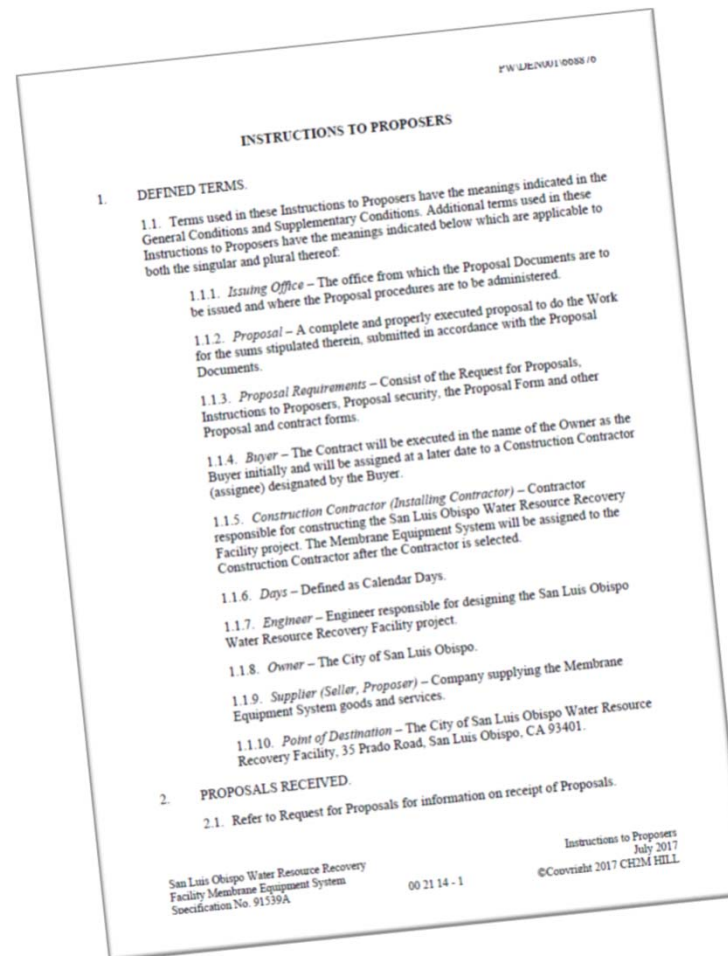
Procurement Process

Activity	Anticipated Date
RFP released	June 30 th , 2017
Mandatory Pre-proposal conference	July 7 th , 2017
Issue Addenda, as required, to Contract Documents	July 28, 2017
Due date for Proposals	August 8, 2017
Recommend Award of Contract to Owner	August 22, 2017
Issue Notice to Proceed to Successful Proposer	August 30, 2017



Preparation of Proposal

- All forms and schedules shall be completed by the Proposer in their entirety
- Information provided with the Proposal Documents shall be for the purpose of determining the responsiveness of the Proposal
- Failure to complete and include all forms in their entirety may deem the Proposal nonresponsive
- See “00 21 14 – Instructions to Proposers” for more information



Minimum Qualifications

1.05 QUALIFICATIONS AND EXPERIENCE

- A. The Seller must meet the following minimum criteria in order to be considered qualified.
1. One membrane bioreactor installation treating municipal wastewater meeting the following criteria:
 - a. Reference facility shall use the same membrane (material and hollow fiber) as proposed.
 - b. In successful operation for 4 or more years, meeting effluent criteria requirements and flow capacity requirements.
 - c. Minimum design annual average flow of 6.1 million gallons (U.S.) per day.
 2. Three additional membrane bioreactor installations treating municipal wastewater meeting the following criteria:
 - a. Reference facilities shall use the same membrane (material and hollow fiber) as proposed.
 - b. In successful operation for 4 or more years, meeting effluent criteria requirements and flow capacity requirements.
 - c. Minimum design annual average flow of 2.0 million gallons (U.S.) per day.
 3. One additional membrane bioreactor installation in the United States treating municipal wastewater meeting the following criteria:
 - a. Reference facility shall use the same membrane (material and hollow fiber) as proposed.
 - b. In successful operation for 4 or more years, meeting effluent criteria requirements and flow capacity requirements.
 - c. Minimum design annual average flow of 3.0 million gallons (U.S.) per day.
 4. Provide information required in the Section 00 41 63, Proposal Form.



Required Proposal Documents

- Proposal Form (00 41 63)
- Proposal Schedules “A” through “O”
- Proposal Bond or other Proposal Security
- Certificate of Proposer Regarding Equal Opportunity
- Evidence of authority to do business in the state of the Project
- Contractor’s license No.
- Noncollusion Declaration
- Insurance Certificate
- Exceptions, recommendations, missing items and patents (see 01 30 00 Administrative Requirements)



Basis of Award

- Contract shall be based on lowest present worth cost as provided by Proposer on Proposal Schedule "A" Lifecycle Cost Evaluation Form Item F.5, and shall be based on Proposer meeting specified qualifications and providing a responsive proposal

**SCHEDULE "A"
LIFECYCLE COST EVALUATION FORM**

Notes to Proposer: 1) Values provided on these worksheets shall be for all membrane trains in duty or standby operation, as required by the flow condition. Assume membrane train always operate mixed liquor aeration during alternate cycles.

Item	Description	Units	Proposed Costs	Calculation Instructions
A. Membrane Equipment System Costs				
A.1. Membrane Equipment System				
A.1.1	Instrumentation	\$ lump sum		Enter Proposer's Lump Sum Amount
A.1.2	Large Membrane Subunits	\$ lump sum		Enter Proposer's Lump Sum Amount
A.1.3	Air Pumps	\$ lump sum		Enter Proposer's Lump Sum Amount
A.1.4	Air Scur Blowers	\$ lump sum		Enter Proposer's Lump Sum Amount
A.1.5	Chemical Feed System	\$ lump sum		Enter Proposer's Lump Sum Amount
A.1.6	All Remaining Equipment	\$ lump sum		Enter Proposer's Lump Sum Amount
A.2	Performance & Payment Bond	\$ lump sum		Enter Proposer's Lump Sum Amount
A.3	Services During Design/After Contract Awarded	\$ lump sum		Enter Proposer's Lump Sum Amount
A.4	Services During Construction/After Contract Assigned	\$ lump sum		Enter Proposer's Lump Sum Amount
A.5	Services During Startup/Commissioning	\$ lump sum		Enter Proposer's Lump Sum Amount
A.6	Overall Treatment Plan Integration Software and Integration Startup Services	\$ lump sum		Enter Proposer's Lump Sum Amount
A.7	Fixed 7-year Membrane Repair and Replacement Warranty (for years 1-7)	\$ lump sum		Enter amount as described in Schedule B, Item (3)
A.8	Allowance for Unforeseen Design Changes and Scope Modifications	\$ lump sum	\$ 200,000.00	Enter Proposer's Lump Sum Amount
A.9	Spare Parts	\$ lump sum		Include spare parts required by Section 43.32.56, paragraph 1.10
A.10	Total Membrane Equipment System Costs (Proposed Price)			Sum of costs for Items A.1, A.2, A.3, A.4, A.5, A.6, A.7, A.8, A.9
B. Costs by Others				
B.1	Membrane Basin	\$ lump sum		Item C.4 multiplied by 93.10
B.2	Total Costs by Others			Item B.1
C. Design Factors				
C.1	Number of Discrete and Analog I/O points at system PLCs	Number		Enter number of I/O points proposed by Bidder
C.2	Number of Actuated Valves	Number		Enter number of actuated valves greater than 4 inches diameter
C.3	Number of Pumps	Number		Enter number of pumps with drive power > 25 hp
C.4	Volume of Mixed Liquor in Membrane Basin	Gallons (U.S.)		Enter total volume of mixed liquor
D. Annual Operations and Maintenance Costs				
D.1	Air Scur	\$ annual cost		Enter Item D.1 from Worksheet
D.2	Process Air Credit	\$ annual cost		Enter Item D.2 from Worksheet
D.3	Permeate Pumping	\$ annual cost		Enter Item D.3 from Worksheet
D.4	Cleaning Chemical	\$ annual cost		Enter Item D.4 from Worksheet
D.5	Backsiphon Pumping Cost	\$ annual cost		Enter Item D.5 from Worksheet

San Luis Obispo Water Reclamation Recovery Facility Membrane Equipment System
Specifications No. 91319A

Proposal For
July 20
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F. Lifecycle Cost				
F.1	Proposal Price	\$		* Item A.10
F.2	Costs by Others	\$		* Item B.2
F.3	Total Present Worth of Annual Operations and Maintenance Costs	\$		* Item D.7 multiplied by 7.722
F.4	Total Present Worth of Membrane Equipment Replacement Costs	\$		* Item A.10 multiplied by 1.285 + Item B.2 multiplied by 5.788
F.5	Total Present Worth Cost	\$		* Sum of costs for Items F.1, F.2, F.3, F.4

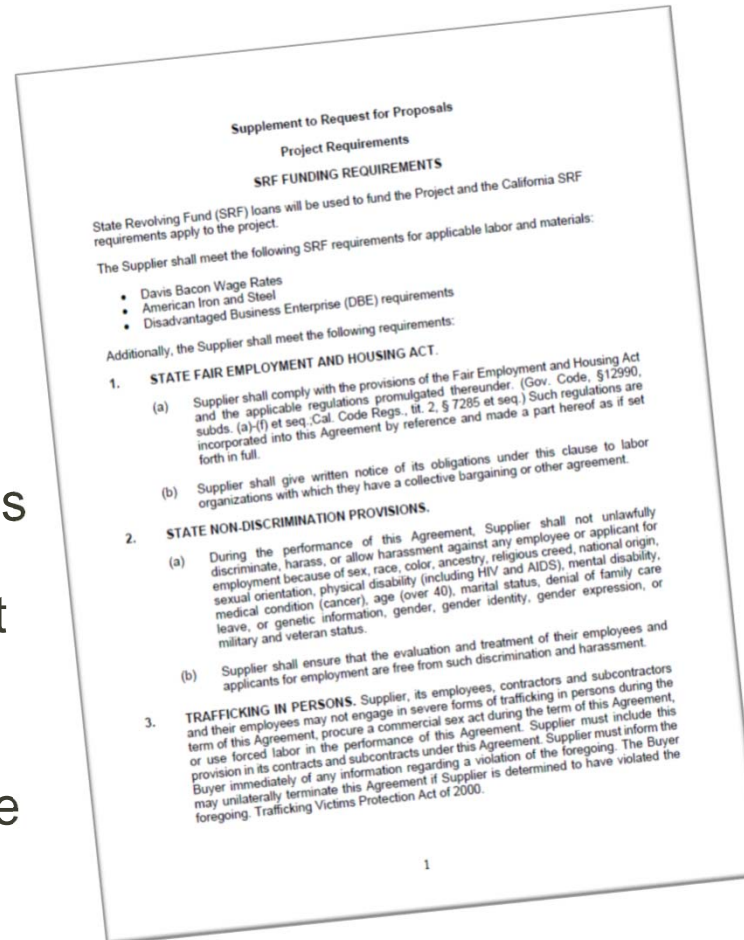
*Proposers to fill in



CITY OF SAN LUIS OBISPO

SRF Funding Requirements

- The Supplier shall meet the following SRF requirements for applicable labor and materials
 - Davis Bacon Wage Rates
 - American Iron and Steel
 - Disadvantaged Business Enterprise (DBE) requirements
- Refer to “00 11 14 - Supplement to Request for Proposals, Project Requirements, SRF Funding Requirements” for more information.



CWSRF DBE Requirements

- Clean Water State Revolving Fund Disadvantaged Business Enterprise (DBE) Requirements
 - For purposes of the DBE program, the City is the “recipient” and the successful proposer will be the “prime contractor.”
 - No specific DBE participation goal. Compliance with DBE program requires performance and documentation of good faith efforts.
 - All good faith efforts must be completed before the date proposals are submitted.
 - Key functional components
 - Fair Share Objectives
 - DBE Certification
 - Six Good Faith Efforts ←
 - Contract Administration Requirements
 - DBE Reporting



CWSRF DBE Requirements (cont.)

■ Six Good Faith Efforts (GFE)

All CWSRF/DWSRF financing recipients are required to complete and ensure that the prime contractor complies with the GFE below to ensure that DBEs have the opportunity to compete for financial assistance dollars.

1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practical through outreach and recruitment activities. For Tribal, State and Local Government Recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
2. Make information on forthcoming opportunities available to DBEs. Posting solicitations for bids or proposals for a minimum of 30 calendar days in a local newspaper, before the bid opening date.
3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs.
4. Encourage contracting with a group of DBEs when a contract is too large for one firm to handle individually.
5. Use the services of the SBA **and/or** Minority Business Development Agency (MBDA) of the US Department of Commerce.
6. If the prime contractor awards subcontracts, require the prime contractor to take the above steps.



CWSRF DBE Forms

The forms listed in the table below and attached to these guidelines; must be completed and submitted with the GFE:

FORM NUMBER	FORM NAME	REQUIREMENT	PROVIDED BY	COMPLETED BY	SUBMITTED TO
SWRCB Form 4500-2 or EPA Form	DBE Sub-Contractor Participation Form	As Needed to Report Issues	Recipient	Sub-contractor	EPA DBE Coordinator
SWRCB Form 4500-3 or EPA Form	DBE Sub-Contractor Performance Form	Include with Bid or Proposal Package	Prime Contractor	Sub-Contractor	SWRCB by Recipient
SWRCB Form 4500-4 or EPA Form	DBE Sub-Contractor Utilization Form	Include with Bid or Proposal Package	Recipient	Prime Contractor	SWRCB by Recipient

The completed forms must be submitted with each Bid or Proposal. The recipient shall review the bidder's documents closely to determine that the GFE was performed prior to bid or proposal opening date. Failure to complete the GFE and to substantiate completion of the GFE before the bid opening date could jeopardize CWSRF/DWSRF financing for the project. The following situations and circumstances require action as indicated:

1. If the apparent successful low bidder was rejected, a complete explanation must be provided.
2. Failure of the apparent low bidder to perform the GFE prior to bid opening constitutes a non-responsive bid. The construction contract may then be awarded to the next low, responsive, and responsible bidder that meets the requirements or the Recipient may re-advertise the project.
3. If there is a bid dispute, all disputes shall be settled prior to submission of the Final Budget Approval Form.



MBR Submittal Requirements (cont.)

- Labor Code compliance
 - Pursuant to Labor Code Sections 1725 and 1771.1, all contractors and subcontractors that wish to propose on, be listed in a proposal, or enter into a contract to perform public work **must be registered with the Department of Industrial Relations.**
 - No proposal will be accepted nor any contract entered into without proof of the Supplier's and any applicable subcontractors' current registration with the Department of Industrial Relations to perform public work.



MBR Submittal Requirements (cont.)

- Davis-Bacon

Since this Project is funded in whole or in part with SRF funds, the work must also comply with the minimum rates for wages for laborers and mechanics as determined by the Secretary of Labor in accordance with the provisions of Davis-Bacon. As between the State and Federal rates, if both rates apply to any portion of the work, the higher of the two rates must be paid. Attention is directed to the SRF Funding Requirements Supplement section of the Contract Documents.



Questions

- All questions to be submitted in writing to Jennifer Phillips at:

Jennifer.Phillips16@CH2M.com



Thank you!



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