

Membrane Pre-Selection Request For Proposal

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







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**

PRODUCTS PART 2

GENERAL

- A. Membrane equipment shall be provided complete, with all necessary components, accessories and appurtenances required to make a complete and components, accessories and appurienances required to make a comprete an operable system. Interconnecting piping between membrane trains and ancillary systems, including air scour blowers, shall be provided by others.
- Membrane subunits and equipment shall be prefabricated, preassembled, and factory tested before shipment to the Site.
- Membrane product shall be compliant with the current California Department of Public Health Services (CDPH) recycled water regulations.
- Seller shall provide the Equipment as described in these Specifications:
 - Equipment shall be new and unused and shall be Seller's most current product line at the time of product submittal (Design Deliverable No. 1, as scheduled in Section 01 29 00, Measurement and Payment).
 - Equipment shall be designed to use latest generation membrane subunits having greater membrane area or improved performance characteristics with CDPH Title 22 certification, or already tested and on track for
 - Equipment shall be furnished as a complete, operable, and maintainable system including all instruments, devices, valves, and actuators.
 - Equipment shall fully comply with the strictest of the California and Federal OSHA standards.
- E. All components of the Membrane Equipment System shall be fully automated as described in the Contract Documents as the system may be unstaffed for the majority of time. Recovery cleaning operations shall be automated, but may be operator initiated.
- F. All components of the Membrane Equipment System shall be tagged to conform with Engineer's tag numbering convention. Where applicable, use Engineer provided tag numbers as shown on Drawings and listed in Specifications.

SERVICE CONDITIONS

A. San Luis Obispo WRRF will provide biological treatment for medium strength municipal wastewater.

Membrane Equipment System (Membrane Bioreactor)

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San Luis Obispo Water Resource Recovery Facility Membrane Equipment System Specification No. 91539A

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Procurement Process

Activity	Anticipated Date
RFP released	June 30th, 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

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INSTRUCTIONS TO PROPOSERS

- 1.1. Terms used in these Instructions to Proposers have the meanings indicated in the Instructions and Supplementary Conditions. Additional terms used in these Instructions to Proposers have the engagings indicated below which are applicable to proposers have the engagings indicated below which are applicable to proposers. Destroy Committons and Supplementary Conditions. Auditional terms used in these Instructions to Proposers have the meanings indicated below which are applicable to
- both the singular and plural thereof. 1.1.1. Issuing Office - The office from which the Proposal Documents are to be issued and where the Proposal procedures are to be administered.
 - 1.1.2. Proposal A complete and properly executed proposal to do the Work 1.1.4. Proposar — A compacte and property executes proposal to see use the for the sums stipulated therein, submitted in accordance with the Proposal
 - 1.1.3. Proposal Requirements Consist of the Request for Proposals. 1.1.2. Proposas Requirements — Consist of the Request for Proposals, Instructions to Proposets, Proposal security, the Proposal Form and other Proposal and contract forms.
 - 1.1.4. Biowr The Contract will be executed in the name of the Owner as the Buyer initially and will be assigned at a later date to a Construction Contractor (assignee) designated by the Buyer.
 - 11.5. Construction Contractor (Installing Contractor) Contractor responsible for constructing the San Luis Obispo Water Resource Recovery Facility project. The Membrane Equipment System will be assigned to the Construction Contractor after the Contractor is selected.
 - 1.1.6. Days Defined as Calendar Days.
 - 1.1.7. Engineer Engineer responsible for designing the San Luis Obispo Water Resource Recovery Facility project.
 - 1.1.8. Owner The City of San Luis Obispo
 - 1.1.9. Supplier (Seller, Proposer) Company supplying the Membrane Equipment System goods and services.
 - 1.1.10. Point of Destination The City of San Luis Obispo Water Resource Recovery Facility, 35 Prado Road, San Luis Obispo, CA 93401.

PROPOSALS RECEIVED.

2.1. Refer to Request for Proposals for information on receipt of Proposals.

San Luis Obispo Water Resource Recovery Facility Membrane Equipment System Specification No. 91539A

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Minimum Qualifications

1.05 QUALIFICATIONS AND EXPERIENCE

- A. The Seller must meet the following minimum criteria in order to be considered qualified.
 - One membrane bioreactor installation treating municipal wastewater meeting the following criteria:
 - Reference facility shall use the same membrane (material and hollow fiber) as proposed.
 - In successful operation for 4 or more years, meeting effluent criteria requirements and flow capacity requirements.
 - 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:
 - Reference facilities shall use the same membrane (material and hollow fiber) as proposed.
 - In successful operation for 4 or more years, meeting effluent criteria requirements and flow capacity requirements.
 - 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:
 - Reference facility shall use the same membrane (material and hollow fiber) as proposed.
 - In successful operation for 4 or more years, meeting effluent criteria requirements and flow capacity requirements.
 - 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

	mbrane Equipment System Costs				
1 1	embrane Equipment System				
	A.1.1 Instrumentation	3, lump sum		Enter Proposer's Lump Sum Amount	
	A.1.2 Large Membrane Subunits	3, lump sum		Enter Proposer's Lump Sum Amount	
	A.1.3 All Pumps	\$, tump sum		Enter Proposer's Lump Sum Amount	
	A.1.4 Air Scour Blowers	5, lump sum		Enter Proposer's Lump Sum Amount	
	A.1.5 Chemical Feed System	5, lump sum		Enter Proposer's Lump Sum Amount	
	A.1.6 All Remaining Equipment	3, lump sum		Enter Proposer's Lump Sum Amount	
1.2	Performance & Payment Bond	\$, lump sum		Enter Proposer's Lump Sum Amount	
.3	Services During DesigniAfter Contract Awarded	S, lump sum		Enter Proposer's Lump Sum Amount	
.4	Services During Construction/After Contract Assigned	\$, lump sum		Enter Proposer's Lump Sum Amount	
1.5	Services During Startup/Commissioning	S, lump sum		Enter Proposer's Lump Sum Amount	
1.0	Overall Treatment Plan Integration Software and Integration Startup Services	\$. lump sum		Enter Proposer's Lump Sum Amount	
.7	Fixed 7-year Membrane Repair and Replacement Warranty (for years 1-7)	S, lump sum		Enter amount as described in Schedule B, Item (b)	
	Allowance for Unforseen Design Changes and Scope Modifications	S, lump sum	\$ 200,000.00	Enter Proposer's Lump Sum Amount	
.0	Spare Parts	S. lump sum		Include spare parts required by Section 43 32 56, paragraph 1.10	
1.10	Total Membrane Equipment System Costs (Proposal Price)		Sum of costs for items A.1, A.2, A.3, A.4, A.5, A.6, A.7, A.6, A.9		
B. Co	ats by Others				
3.1	Membrane Basin	5, lump sum		Item C.4 multiplied by \$3.10	
3.2	Total Costs by Others			tem B.1	
2.1	Number of Discrete and Analog I/O points at system PLCs	Number		Enter number of I/O points proposed by Bidder	
				Enter number of actuated valves greater than 4 inches diameter	
2.2	Number of Actualed Valves	Number			
2.3	Number of Pumps	Number		Enter number of pumps with drive power > 25 hp	
3.4 1. Ar	Volume of Mixed Liquor in Membrane Basin nual Operations and Maintenance Costs	Gallons (U.S.)		Enter total volume of mixed liquor	
2.1	Air Soour	\$, annual cost		Enter Item D.1 from Worksheet	
0.2	Process Air Credit	S, annual cost		Enter Item D.2 from Worksheet	
0.3	Permeate Pumping	\$, annual cost		*Enter Item D.2 from Worksheet *Enter Item D.3 from Worksheet	
	Cleaning Chemical	3, annual cost		Enter Item D.4 from Worksheet	
	Backpulse Pumping Cost	5, annual cost 5, annual cost		Enter Item D.5 from Worksheet Enter Item D.5 from Worksheet	
	Involves crutical cost	a, annual cost		Drief riem U.S. röm Worksheet	

F. Lí	F. Lifecycle Cost						
F.1	Proposal Price	\$	•	Item A.10			
F.2	Costs by Others	9	•	Item B.2			
F.3	Total Present Worth of Annual Operations and Maintenance Costs	\$	•	Item D.7 multiplied by 7.722			
	Total Constitution of the Control of Control	_		# E 4 W. F4 t4 00E . # E 0 W. F4 t E 700			
F.5	Total Present Worth Cost	\$		Sum of costs for Items F.1, F.2, F.3, F.4			

^{*}Proposers to fill in



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.

Supplement to Request for Proposals

Project Requirements

SRF FUNDING REQUIREMENTS

State Revolving Fund (SRF) loans will be used to fund the Project and the California SRF

The Supplier shall meet the following SRF requirements for applicable labor and materials

- Davis Bacon Wage Rates
- Disadvantaged Business Enterprise (DBE) requirements

Additionally, the Supplier shall meet the following requirements

- STATE FAIR EMPLOYMENT AND HOUSING ACT.
 - Supplier shall comply with the provisions of the Fair Employment and Housing. Supplier shall comply with the provisions of the Fair Employment and Housing Act and the applicable regulations promulgated thereunder. (Gov. Code, § 12990, subds. (a)/f) et seq.Cal. Code Regs. tit. 2, \$ 7.266 et sec.) Such regulations are incorporated into this Agreement by reference and made a part hereof as if set feets in f. 41.
 - Supplier shall give written notice of its obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.
 - STATE NON-DISCRIMINATION PROVISIONS.
- During the performance of this Agreement, Supplier shall not unlawfully discriminate, harass, or allow harassnent against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national original orientation, physical disability (including HIV and AIDS), mental disability, medical condition (cancer), age (over 40), mantal status, denial of family care medical condition (cancer), age (over 40), martial status, denial of tamily care military and veteran status.
 - Supplier shall ensure that the evaluation and treatment of their employees and Supplier shall ensure that the evaluation and treatment of their employees applicants for employment are free from such discrimination and harassment.
 - TRAFFICKING IN PERSONS. Supplier, its employees, contractors and subcontractors and their employees may not engage in severe forms of trafficking in persons during the term of this Agreement, procure a commercial sex act during the term of this Agreement, procure a commercial sex act during the term of this Agreement. Supplier must include this or use forced labor in the performance of this Agreement. Supplier must inform the or use forced labor in the performance of this Agreement. Supplier must include this provision in its contracts and subcontracts under this Agreement. Supplier must inform the Buyer immediately of any information regarding a violation of the foregoing. The Buyer may unilaterally terminate this Agreement if Supplier is determined to have violated the foregoing. Trafficking Victims Protection Act of 2000.

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.
- 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 <u>prior</u> 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.
- Failure of the apparent low bidder to <u>perform</u> the GFE <u>prior</u> to bid opening constitutes a nonresponsive 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.
- If there is a bid dispute, all disputes shall be settled <u>prior</u> 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!

