



**CITY OF REDDING**

777 CYPRESS AVENUE, REDDING, CA 96001

P.O. Box 496071, REDDING, CA 96049-6071

**PURCHASING DIVISION**

October 8, 2020

ADDENDUM  
to  
REQUEST FOR PROPOSAL  
FOR COOLING TOWER REPAIRS  
AT THE REDDING POWER PLANT FOR  
CITY REDDING, CALIFORNIA  
(Schedule No. 5173)  
**Addendum No. 1**

The City of Redding is hereby notifying you that the above request for proposal has been amended as follows:

**Q1 What is the water source for the cooling tower?**

**A1** City water supply

**Q2 Where do the fire alarm signals go?**

**A2** The fire alarm signals connect to the plant distributed control system. We do not anticipate a change to this during this project.

**Q3 Has all the support structure under the fan deck been replaced?**

**A3** We do not know for certain to what extent the support structure for the fan deck has been replaced in the past.

**Q4 Besides the fan deck and transverse supports, is any of the structure FRP?**

**A4** There are some FRP support members, however, the majority are not. Limited replacement was made previously, but the contractor should assume there are no structural FRP members.

**Q5 When was the fan deck replaced?**

**A5** We believe the fan deck was replaced about 10 years ago (approximately 2010).

**Q6 Will there be another site visit?**

**A6** The site visit that occurred on September 29, 2020, is the only site visit that will be held for this bid.

**Q7 Will the fire protection distribution system be completely replaced?**

A7 Yes, we would like the entire system replaced.

**Q8 Please provide the original design conditions including:**

- total volumetric flow in gallons per minute
- temperature of the incoming hot water
- temperature of the exiting cold water
- wet bulb temperature

A8 See the attachment to this addendum with this information.

**Q9 What is the replacement exterior casing weight requirement? Should it be standard or flame retardant? Is 4.2 corrugation acceptable in place of the existing V-Beam?**

A9 Please use the following specifications for the casing. If you feel we should use a different specification, please provide pricing for the requested specification and also provide a deviation with the justification and details for your recommendation:

- Casing weight 12oz FRP
- General purpose (i.e., not fire retardant)
- V-Beam corrugation to match existing

**Q10 What is the grade requirement for stainless steel for the attachment hardware, 304 or 316?**

A10 We believe 304SS will be acceptable. Please use this grade in your bid. If you believe we should use 316SS, please include the price for 304SS anyway and provide a deviation with the 316SS and the justification for this grade.

**Q11 What materials will be considered hazardous or nonhazardous?**

**Has the existing tower structure been tested for hazardous waste? If not, is a separate line item acceptable for hazardous waste disposal?**

A11 We believe there are no hazardous materials in the cooling tower so all waste is anticipated to be nonhazardous.

As far as we know, the existing structure has not been tested for hazardous waste. However, we have used standard treated wood for the cooling tower and the local landfill accepted it.

Please include an estimated cost per ton of hazardous waste disposal. We do not anticipate hazardous waste disposal will be necessary, however, if hazardous waste is discovered during the project, the contractor will be responsible for its disposal.

**Q12 Will temporary cooling towers be required should the construction schedule of 31 or 25 days fail to be met? Is so, what are design conditions including volumetric flow in gallons per minute to allow the plant to operate at its contractual obligation?**

A12 At this time, we do not believe a temporary cooling tower will be required.

**Q13 What is the thickness requirement in mils for the replacement drift eliminators?**

A13 The drift eliminators should be 17 mil.

**Q14 What is the thickness requirement in mils for the tower fill?**

A14 The tower fill should be 15 mil.

**Q15 For the distribution system, what type of couplers are required, like-for-like, or standard glued PVC in place of "Mission" couplings?**

A15 Please quote a like-for-like replacement.

**Q16 There is no indication of corrosive materials being used.**

**For the fire protection system, is 304 stainless steel required for all piping and supports inside the cooling tower as well as noncorrosive sprinkler heads?**

A16 Please provide in your quote for 304SS and noncorrosive sprinkler heads. If you have a recommendation to use a different material, please quote what we requested and also provide a deviation and justification for your recommendation.

**Q17 Can I receive a copy of the sign-in sheet?**

A17 See attachment 2 to this addendum.

**Q18 Can you please provide any documentation you have on the Fire Protection System?**

A18 No, we do not have anything to provide.

This addendum is incorporated into RFP #5173 as if the information was contained in the original document.

Note: Before submitting your proposal, please make a notation that you have received Addendum No. 1 on your cover letter.

If you have any questions, please do not hesitate to email me at [aedenburn@cityofredding.org](mailto:aedenburn@cityofredding.org).

THE CITY OF REDDING  
Purchasing Division



Amber Edenburn, Purchasing Officer

Attachments:

1. Cooling Tower Technical Data
2. Site Visit Sign-In Sheet

## 2.2 Technical Data

### 2.2.1 Main Features

Owner	Redding Power Joint Venture
Client	General Electric Co.
Order	HUC - 3385
Year	1987
Number of cells	3
Size of cells	42' x 30'
Type	Induced draft
Flow	29,000 GPM
Inlet water level	14.7'
Hot water temperature	94°F
Cold water temperature	81°F
Wet bulb temperature	67°F
Number of fans per cell	1
Motorshaft power	3 x 125 H.P.

### 2.2.2 General

Basin	Concrete
Framework	Douglas Fir
Fanstacks	Fiberglass
Hardware	304 Stainless Steel
Cladding	FRP
Fill	PVC - ANCS 20
Drift eliminator	PVC
Water distribution	FRP + PVC
Nozzles	Plastic
Fans	FRP
Transmission	Gearbox and shaft

### 2.2.3 Mechanical equipment

Fans	
Number	3
Type	Axial Flow
Manufacturer	Hudson
Diameter	22'
Number of blades per fan	8
Blade material	FRP
Hub	Galvanized steel Epoxy Coated
Speed	173 RPM
Weight	751 lb.



CITY OF REDDING  
SITE VISIT SIGN-IN SHEET

DATE: TUESDAY, September 29, 2020, @ 9:00 A.M.

RFP 5173 – Cooling Tower Repairs

A reasonable attempt will be made to email any Addenda issued to the address provided. In addition, Addenda issued may be posted to the City's website. It is the contractor's responsibility to confirm any Addenda that may have been issued.

NAME	COMPANY NAME	PHONE #	EMAIL
1. Geoffrey Smith	American Cooling Tower AIM High ENTERPRISES	(714) 377-0010 (530)	gsmith@americancoolingtowers.com
2. RAY Di Giuseppe	Painting & Coatings	227-3596	AIMhighenterprises@ sbcglobal.net
3. Jimmy Miller	EMCOR Mason Energy	530- 333-3550	jimmy_miller@emcor.net
4. Aaron Macomber	Foothill Fire Protection	530-781-2797	aaron@ffprotection.com
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