

**REQUEST FOR INFORMATION  
RESPONSE FORM**



**Project Name:** Hunters Reservoir Raw Water Intake

**RFI Request No.:** 1

**Client:** Calaveras County Water District

**Manufacturer:** Floway Pumps

**Reference:** Pump Pre-Purchase RFP

**Black Water Project No.:** J22370

**Response By:** Jennifer Pratt

**Questions and response comments are as follows:**

- Question:** (Section 1.A) Interpreting existing suction barrels / suction cans are to be reused as they are not included within this paragraph. Please confirm whether existing suction cans are to be reused or if new suction cans are required with this proposal.

**Response:** New suction cans are required with this proposal. Suction can/barrel length is 7.6 feet and pressure rating of the suction flange shall be 150 psig. The suction barrel diameter will be recommended by the pump supplier, complying with Hydraulic Institute Pump Intake Design Standards. For clarification, the suction piping is 16-inch diameter and the discharge piping is 10-inch diameter.
- Question:** (Sections 1.D & F) Quoted pumps will contain at minimum 51% domestic content in order to meet intent of Federal Domestic Preferences for Procurement, 2 C.F.R. §200.322. The remaining 49% of pump content will be globally sourced. Exception to motors being manufactured to meet intent of this section as no vertical high-thrust motor manufacturer can currently comply. Please confirm motors will not need to meet this funding requirement.

**Response:** Motors will not need to meet this requirement.
- Question:** (Section 1.F) Interpreting suction cans are existing per comment 1.A above. Diameter of existing suction cans and their pertinent dimensions as relevant to H.I. Standards for Pump Intake Design (Figure 9.8.3.6.5) are not furnished in RFP. These dimensions are necessary in order to prepare a complete and accurate quotation in addition to determining if design complies with H.I. Standard. Please provide dimensions of existing suction cans.

**Response:** See response to #1; suction can requirements are listed in 1F.
- Question:** (Section 1.F) Additional information pertaining to “removable cans” will need to be furnished to pump manufacturer for evaluation. With respect to suction can design, they are customarily contained within concrete or back-filled into position and become part of the earth. A standard motor/discharge head Reed Critical Frequency (RCF) analysis is performed to ensure resonant frequency of pump structure does not coincide with pump operating speed. This analysis assumes suction can mounting plate is secured to a solid concrete mounting pad. If suction cans are removable, then it is considered a flexible structure and the outcome of the RCF analysis would thus be skewed and inaccurate.

**Response:** The pumphouse for the project is in an elevated structure above a creek. The suction cans will not be part of the earth. The cans are to be removable for serviceability.

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Prior to installation, the pump station structure will be analyzed by the engineer to avoid natural frequencies. The pump manufacturer shall be responsible for analysis of the pump and motor only.

5. **Question:** (Section 1.F) Please confirm type of sealing arrangement required for the pumps. Will it be a packing box (recommended for raw water service) or a mechanical seal? If a mechanical seal is required, Floway would recommend the use of a vertical solid shaft motor with a rigid four piece flanged adjustable spacer type coupling to permit removal of mechanical seal without disturbing job driver.

**Response:** The sealing arrangement shall be packing box.

6. **Question:** (Section 1.F) It is interpreted new motors shall include at minimum N.C. winding thermostats (thermal protection) and 120v/1ph space heaters to prevent condensation build-up when pumping units are not energized. Please confirm thermostats and space heaters are required for the motors.

**Response:** Yes, these are required.

A handwritten signature in blue ink, appearing to be 'J. J. [unclear]', is written over a horizontal line.

Signature

07/22/2022

Date