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**Subject:** LSJ RO Sea Water Intake Pumps Replacement

**Date:** Fri, 19 Oct 2018 13:36:32 +0000

**Attachments:** LSJ\_Gem\_Intake\_Pumps.pdf; LSJ\_SW\_Pumps.jpg

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Good afternoon

As discussed attached for your review

Proposal from Gemini Sea water Systems to replace existing original RO Sea Water Intake Pumps. Cost for Material and Installation \$75,310.00

Photo's of existing original Sea Water Intake Pumps.

The Existing Sea Water Intake Pumps are original to the install of the 90k SWRO Plant.

This System was designed for 2 x SWRO Plants, only one plant was installed, hence 4 pumps.

The Existing Intake System requires only one pump to supply the 90k SWRO Plant

The Expanded SWRO Plant will require 2 of the 4 pumps.

At this time 2 of the 4 pumps/motors and the priming pump/motor need replacing, therefore we have no redundancy.

The attached proposal is for 2 x 15hp motors with S/S fluid ends with VFD's and Priming Station, 1 pump to supply SWRO, 1 as a redundancy. New piping, valves, S/S strainer baskets are also included in cost.

4 week lead-time for Pumps once ordered

how do you wish to proceed

regards Brice

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**Brice Gordon**  
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