



# Memorandum

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## City and Borough of Sitka

### Environmental Division

Date: March 13, 2011

To: Mayor Westover and Assembly Members  
Jim Dinley, Administrator

Through: Michael Harmon, Public Works Director *MAH*

cc: Dave Wolf, Finance Director

From: Mark Buggins, Environmental Superintendent *MB*

Re: PURCHASE OF EMERGENCY TRAILER MOUNTED DIESEL POWERED SEWAGE PUMP

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#### Background

The WW Division does not have a large volume self powered pump to respond to emergency outages at our large pump stations. This piece of equipment was requested during the FY 2011 budget process and approved.

#### Analysis

Adding a large capacity self powered sewage pump to the equipment available will allow the WW Division to respond to potential emergencies such as the loss of one of our larger pumping station's electrical systems. This actually happened during the rolling blackouts last year with the failure of the underground power line from the stand-by generator located at Alaska Marine Line's barge landing to Old Sitka Rocks and Granite Creek lift stations. This failure required the Electric Department to alter their preferred rolling blackout timing from every four to every two hours and necessitated that we essentially had a WW Operator on duty 24 hours a day during the blackout period. Our collection system has about 9 larger pump stations that currently have no emergency backup pump in the event of a catastrophic failure such as the above. The WW Division has portable generators and smaller portable pumps that can be utilized for the 31 other pump stations. Losing one of the large mainline lift stations would cause serious sewage backups throughout the collection system and community.

#### Fiscal Note

The FY 2011 Wastewater capital budget includes \$60,000 to purchase a large emergency pump for the WW system's use. The WW Division has solicited quotations from three major suppliers of large capacity self-priming diesel powered pumps. The lowest price was received from Industrial Sales Alaska/Rain for Rent for a Power Prime pump model DV 100C and the required hose and fittings to make the unit functional for \$55,207.00.

#### Recommendation

**Approve purchase of emergency wastewater pump Power Prime model DV 100C and required associated parts to make the unit functional from Industrial Sales Alaska/Rain for Rent in the amount of \$55,207.00.**