

Agency: Commerce, Community and Economic Development

Grants to Municipalities (AS 37.05.315)

Grant Recipient: Palmer

Project Title:

Project Type: Equipment and Materials

Palmer - Lift Station & Sewer System Rehabilitation

State Funding Requested: \$750,000

House District: 13 / G

One-Time Need

Brief Project Description:

The project will replace the 30 year old lift station and pumps with below-grade pump controls, new grinder style pumps, provide back-up power and a new above-grade Supervisory Control and Data Acquisition (SCADA) control system integrated into the City's internet-based monitoring system.

Funding Plan:

Total Cost of Project: \$1,100,000

	<u>Funding Secured</u>		<u>Other Pending Requests</u>		<u>Anticipated Future Need</u>	
	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>
Local Funds			\$350,000	2010		
Total			\$350,000			

Detailed Project Description and Justification:

Existing control panels and pumps at the City of Palmer Sewer Lift Station 3 are in urgent need of upgrades. The current system utilizes pumps which are thirty years old and pump controls that are below grade in a confined space classification. There is currently no available standby power on site. In previous years, utility power failure has occurred four to five times a year on an average. Each time there is a power outage a large backup generator is relocated to the site to provide the needed power to operate the critical pumps. The cost is approximately four thousand dollars per incident without the added safety issues needed to comply with the confined space requirements.

Lift Station 3 pumps operate the largest portion of the waste within the Palmer wastewater system and must remain in operation at all times. With limited automation for failure notification on these pumps, city personnel must manually monitor the pumps. It is common to find the pumps clogged due to the style of the pumps requiring frequent maintenance to be performed inside the confined space area.

The proposed rehabilitation will include replacement of both pumps; pump controls including three new grinder style pumps, new above grade pump controls and integration into the City's internet-based monitoring and alarm system. This will provide new automatic trouble notification and new automated stand-by backup power system to operate the pumps in case of a power failure.

This need is a basic life, health and safety issue.

Project Timeline:

FY 2011

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

City of Palmer

Grant Recipient Contact Information:

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Has this project been through a public review process at the local level and is it a community priority? Yes No