



Memorandum

MONTEREY REGIONAL WASTE MANAGEMENT DISTRICT

Reviewed by LDW Date 1/11/07
General Manager

DATE: January 10, 2007
TO: General Manager
FROM: Information Systems Manager
SUBJECT: Phase I of District Site Camera System

RECOMMENDATION: That the Board authorize District staff to implement Phase I of the District Site Camera System.

DISCUSSION

As part of the construction of the District's scale house in 1993 and the Materials Recovery Facility (MRF) in 1996, closed circuit cameras were installed. These cameras allowed staff and visitors to see various parts of the scales and MRF operations and visually inspect loads on the scales. A video tape recording capability was also installed with the camera system. Staff now recommends that the District upgrade these camera systems and take advantage of digital video recording technology. Upgrading the camera systems will improve operating efficiency, provide a higher level of security during operating and non-operating hours, and provide a much more efficient method to record, store, and retrieve images.

Staff proposes to implement these upgrades in two phases. The first phase will address the cameras for the scale area and the second phase will cover the remainder of the site.

Phase I – Scales: The new scale software vendor, Paradigm Software, has partnered with the digital recording system company, CAMACC Systems Inc., to embed scale transaction information with stored video. The scale software only has this integration with the CAMACC system, so the District will need to use this product. This in essence makes the scale camera system a modular enhancement to the scale software. The cameras for the scale will be managed differently than the site wide system. While all images will be stored digitally, the cameras images at the scales will be displayed and controlled by the weighmaster using separate analog controls. The remainder of the site camera system will be managed with software running on existing staff workstations. Cameras at the scales will be configured for viewing:

- Customer vehicle license plates (the District's new vehicle coding system),
- Load checking/waste screening from above,
- The length of customer lines at the scales,
- The back end of the scale – ensuring only one vehicle is on the scale, and
- Customers at the counter during transactions.

CAMACC is a leading firm in digital video recording with thousands of customers ranging from casinos to gas stations. They are also providing cameras for the Orange County Landfills which use the same Paradigm scale software as the District. Staff intends to purchase the hardware directly from CAMACC and do the installation in-house. Total cost for the implementation will not exceed \$40,000. Funds for this work are included in the current fiscal year's budget.

Phase II - Site: Staff is developing a master list of desired camera placements in each operational area and will be preparing a Request for Proposals (RFP) for the site wide system. An advantage of implanting a digital recording system for the scales first is that staff will gain experience on the capabilities and limitations of such systems. This knowledge will make the assessment of the proposed systems much more effective. Staff will distribute this RFP within the next few months with a goal of system installation in the fall of 2007.


Don Prescott