

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** Kenneth G. Ammon, Deputy Executive Director, Everglades Restoration

**DATE:** March 11, 2008

**SUBJECT:** L-8 Reservoir Temporary Pumping System – Contract 4600001338

**Background:** The C-51 and Southern L-8 Reservoir (L-8 Reservoir) is a component of the North Palm Beach County – Part 1 portion of the Comprehensive Everglades Restoration Plan (CERP). The reservoir, approximately 47,000 acres of storage over approximately 1,000 acres, is located in Palm Beach County at the northwest corner of the intersection of the L-8 Borrow Canal and the C-51 Canal. The purpose of the reservoir is to assist with improving water supply for the environment, specifically the Grassy Waters Preserve, Loxahatchee Slough and Northwest Fork of the Loxahatchee River as well as improving flood management in the L-8 Basin which includes the Acreage community, J.W. Corbett Wildlife Management Area and Dupuis Reserve. The reservoir is also intended to reduce the amount of water discharge from the L-8 Basin to tide via the C-51 Canal. Another reason for this project is to help satisfy the water supply demands of the West Palm Beach area during the drought.

The District will require a temporary pumping system and services necessary to assist in pumping water from the L-8 Reservoir to the L-8 Borrow Canal with a pumping capacity of 75 cfs. The existing 75 cfs pump capacity (termed the pilot pump) is insufficient to meet the water supply demands, presenting the need to expand the pumping capacity to 150 cfs. In the short term, there is a need to provide water supply to West Palm Beach as part of the drought management measures. The provision of temporary pumps is recorded on the EM Tracker system in the District's Emergency Operations Center.

**How this helps meet the District's 10-Year Strategic Plan:** This project helps meet the long-term and short-term goals of CERP.

**Funding Source:** This is a 6-month contract with Moving Water Industries Corporation, the lowest responsive and responsible bidder, to provide a temporary pumping system for the L-8 Reservoir in the not-to-exceed amount of \$390,570 for which dedicated funds (Everglades Trust Fund) are budgeted.

**This Board item impacts what areas of the District, both resource areas and geography:** This item impacts the Everglades Restoration, Operations and Maintenance and Water Resources Resource Areas in the vicinity of northern Palm Beach County, as well as the Emergency Operations Center.

**What concerns could this Board item raise?** Without the approval of this item, the District would be unable to provide adequate water supply to the Loxahatchee Slough and Northwest Fork of the Loxahatchee River or to the West Palm Beach area as part of the drought management measures.

**Why should the Governing Board approve this item?** Approval will allow completion of the temporary pumping system and services necessary to pump water from the L-8 Reservoir to the L-8 Borrow Canal located to the east of the reservoir. This will allow for the delivery of water supply to Loxahatchee Slough and Northwest Fork of the Loxahatchee River and delivery of water supply to the West Palm Beach area.

*KGA/kc/mh*