MEMORANDUM

TO: Governing Board Members

FROM: Kenneth G. Ammon, P.E., Deputy Executive Director, Everglades Restoration Resources

DATE: May 4, 2009

SUBJECT: Compartment B Buildout Electrical Power Distribution Facilities – Contract Number 4600001713

Background:
The purpose of this contract is for Florida Power & Light Company (FPL) to upgrade the existing South Bay Sub-station and distribution lines to Compartment B Buildout site in order to provide reliable electrical power for the future G-434, G-435, G-445 and G-436 Pump Stations. The Pump Stations have large electrically powered pumps that will increase the power demand in the area when in use, and an upgrade to the existing FPL system and distribution network is necessary.

How this helps meet the District's 10-Year Strategic Plan:
Compartment B is a component of the Everglades Protection Area Tributary Basins Long-Term Plan for Achieving Water Quality Goals, Revised Part 2 (LTP) which is included in the 10-Year Strategic Plan and the Annual Work Plan. This Project will enable the District to achieve Everglades water quality standards to ensure that all waters discharging into the into the Everglades Protection Area are in compliance with state water quality standards. Upgrading the FPL distribution system will allow for the reliable use of the electrically powered pumps within the Pump Stations without interruption or having to use the generators inside each of the Pump Stations.

Funding Source:
This is a 4-year contract with Florida Power and Light Company (FPL) for construction of electrical power distribution facilities needed to serve the Compartment B North Buildout and South Buildout Stormwater Treatment Area in an amount not to exceed $2,100,000 for which dedicated funds (proceeds from Series 2006 Certificates of Participation) in the amount of $25,000 are budgeted, and the remainder is subject to Governing Board approval of the FY10-FY11 budgets.

This Board item impacts what areas of the District, both resource areas and geography: The Compartment B Buildout Project location is in Palm Beach County approximately 20 miles south of South Bay on the East side of US 27. It is bounded on the north by the Everglades Agricultural Area (EAA), on the east and south by the Water Conservation Area 2, and on the west by STA 3/4. Staff from the Everglades Restoration Resource Area will oversee the project.

What concerns could this Board item raise? The District is paying for an upgrade to the FPL infrastructure that other FPL customers may benefit from later on. However, the District needs the upgrade now and cannot wait for others to share the costs of the upgrades. FPL's infrastructure cannot provide reliable power to the site without the upgrade.

Why should the Governing Board approve this item?
The reliability of the electric power system must be upgraded in order for the Compartment B Buildout Pump Stations and water control structures to operate as designed. This will increase the District's ability to meet the overall Project schedule and achieve the goals of the Long-Term Plan.

Attachments – Resolution, Map
KGA/oc