

**SACRAMENTO CENTRAL GROUNDWATER AUTHORITY
CALIFORNIA**

For the Agenda of:
January 13, 2010

**APPROVED
BOARD OF DIRECTORS**

Date 1/13/10

By *Heath V. V. V.*
Clerk of the Board

To: Board of Directors
Sacramento Central Groundwater Authority

From: Staff

Subject: Resolution Authorizing Submittal Of An Application To The California Department of Water Resources For A Local Groundwater Assistance Grant Pursuant To The Water Security, Clean Drinking Water, Coastal And Beach Protection Act Of 2002 (AB 303)

Contact: Darrell Eck, Executive Director, 874-5039

Overview

The Sacramento Central Groundwater Authority (Authority) has adopted a groundwater management plan to maintain a sustainable, high-quality groundwater resource for the users of the Central Basin. Further development and improvement of the Authority's groundwater data collection and monitoring program is critical to the implementation of the Basin Management Objectives which are key to successfully managing and monitoring the basin to the benefit of all groundwater users within the Central Basin. Grant money from the California Department of Water Resources Local Groundwater Assistance Program will assist the Authority in implementing this critical program.

Recommendations

1. Authorize application for the AB 303 grant.
2. Designate the Executive Director of the Authority, or his designee, as the authorized representative to enter into an agreement with the State for the AB 303 grant.

Fiscal Impact

Development of the AB 303 Grant Application will be through a contract with WRIME, Inc. approved by the AB 303 Subcommittee on November 5, 2007. Granted funds, if awarded, will provide up to \$250,000 in funding for improvements to the Central Basin's groundwater data collection and monitoring program.

BACKGROUND

On August 29, 2006 the Cities of Folsom, Elk Grove, Rancho Cordova and Sacramento and the County of Sacramento executed a joint powers agreement creating the Sacramento Central Groundwater Authority (Authority). The purpose of the Authority is to maintain the long-term sustainable yield of the Central Basin; ensure implementation of the basin management objectives (BMOs) that are prescribed by the Central Sacramento County Groundwater Management Plan (GMP); oversee the operation of any Well Protection Program that may be prescribed by the GMP; manage the use of groundwater in the Central Basin and facilitate implementation of an appropriate conjunctive use program by water purveyors; coordinate efforts among those entities represented on the governing body of the joint powers authority to devise and implement strategies to safeguard groundwater quality; and work collaboratively with other entities, including the Sacramento Groundwater Authority, the Southeast Sacramento County Agriculture Water Authority and other groundwater management authorities that may be formed in the County of Sacramento and adjacent political jurisdictions, in order to promote coordination of policies and activities throughout the region. On November 8, 2006, the Board of the Authority adopted the GMP.

On November 14, 2007, the Board authorized the Executive Director to submit an application to the California Department of Water Resources for a Local Groundwater Assistance Grant (AB 303). The purpose of this grant was to further develop and improve the Authority's Data Management System (DMS) which is critical to the implementation of the BMOs which are key to successfully managing and monitoring the basin to the benefit of all groundwater users.

In June 2008 the Authority was awarded the grant and work on the update to the DMS began in November 2008.

DISCUSSION

Implementation of the BMOs described in the GMP requires both a data collection and monitoring program and analytical tools that, when fully operational, will be capable of assessing the current status of the basin and predicting responses in the basin that are a result of future management actions. The Central Basin monitoring program includes collection of groundwater elevation data, groundwater quality data, monitoring and assessing the potential for land surface subsidence resulting from groundwater extraction, and developing a better understanding of the relationship between surface water and groundwater along the American, Cosumnes, and Sacramento rivers. The analytical tools used in the Central Basin include the DMS and the SacIGSM. The Authority is currently in the process of updating the DMS which will provide for comprehensive data compilation, consolidation, and quality control, improved access to data, improved analysis capabilities, and the ability to quantify progress in implementation of the BMOs. Recent improvements have also been made to the SacIGSM which uses various hydrologic data, land and water use data, and geometric data to conduct hydrologic simulations within the region including the Central Basin. In order to increase the effectiveness and accuracy of the DMS and SacIGSM improvements to existing data sources and the corresponding monitoring program need to be implemented and additional data sources identified and developed.

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An analysis is required of the Central Basin's current data collection and monitoring program to identify and implement necessary improvements that will result in a higher degree of accuracy and finer resolution of the basin's analytical tools, the DMS and Sac IGSM. This analysis would include an assessment of present monitoring points, identification and location of additional monitoring points (including the installation of additional monitoring wells), the performance of aquifer testing, and the installation of transducers at strategic locations for high resolution groundwater level monitoring.

The Local Groundwater Management Assistance Act of 2000 (California Water Code Section 10795 *et seq.* (Assembly Bill 303)) was enacted to provide grants to local public agencies to conduct groundwater studies or to carry out groundwater monitoring and management activities. The Authority plans to apply for a grant of up to \$250,000 under the Act to assist in the development of this project.

Respectfully submitted,

Darrell K. Eck, Executive Director
Sacramento Central Groundwater Authority

Attachment: Resolution

cc: Susan Purdin, Larry Ottman - SCGA

RESOLUTION NO. 2010-01

RESOLUTION AUTHORIZING SUBMITTAL OF AN APPLICATION TO THE CALIFORNIA DEPARTMENT OF WATER RESOURCES FOR A LOCAL GROUNDWATER ASSISTANCE GRANT PURSUANT TO THE WATER SECURITY, CLEAN DRINKING WATER, COASTAL AND BEACH PROTECTION ACT OF 2002

WHEREAS, on August 29, 2006 the Sacramento Central Groundwater Authority (AUTHORITY) was formed through a Joint Powers Agreement (JPA) between the City of Elk Grove, the City of Folsom, the City of Rancho Cordova, the City of Sacramento and the County of Sacramento.; and

WHEREAS, the purpose of the AUTHORITY is to maintain the long-term sustainable yield of the Central Basin; ensure implementation of the Basin Management Objectives prescribed in the Groundwater Management Plan; oversee the operation of a Well Protection Program; manage the use of groundwater in the Central Basin and facilitate implementation of an appropriate conjunctive use program by water purveyors; coordinate efforts among those entities represented on the governing body of the AUTHORITY to devise and implement strategies to safeguard groundwater quality; and to work collaboratively with other entities in order to promote coordination of groundwater policies and activities throughout the region; and

WHEREAS, the AUTHORITY adopted the Central Sacramento County Groundwater Management Plan (CSCGMP) on November 8, 2006; and

WHEREAS, the CSCGMP reviews current and future water supply and demands, contains basin management objectives (BMO) addressing rate of groundwater extraction, groundwater elevations, land subsidence, surface water flows and groundwater contamination; and

WHEREAS, the CSCGMP also contains “trigger points” and remedies to ensure full implementation of the BMOs; and

WHEREAS, on-going development and improvement to the AUTHORITY’s groundwater data collection and monitoring program is critical to the successful implementation of the CSCGMP and of managing and monitoring the basin to the benefit of all groundwater users in the Central Basin as described in said BMOs; and

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WHEREAS, the Local Groundwater Management Assistance Act of 2000 (California Water Code Section 10795 *et seq.* (Assembly Bill 303)) was enacted to provide grants to local public agencies to conduct groundwater studies or to carry out groundwater monitoring and management activities.

NOW, THEREFORE, be it resolved by the AUTHORITY as follows:

1. That application be made to the California Department of Water Resources for a Local Groundwater Assistance Grant pursuant to the Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Water Code Section 79560 *et seq.*), and to enter into an agreement to receive a grant for further development and improvement to the AUTHORITY'S groundwater data collection and monitoring program, and
2. The AUTHORITY finds and determines that the Executive Director of the Sacramento Central Groundwater Authority is hereby authorized to do and perform everything reasonable, convenient, and necessary to carry out the purpose and intent of this Resolution.

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ON A MOTION by Director SADLER, seconded by Director ROBLES, the foregoing resolution was passed and adopted by the Board of Directors of the Sacramento Central Groundwater Authority, State of California, this day 13 of January, 2010 with the following vote, to wit:

AYES: Directors,

NOES: Directors,

ABSENT: Directors,

ABSTAIN: Directors,



Walter Sadler
Chair of the Board of Directors of the
Sacramento Central Groundwater Authority

ATTEST: [Signature]
Clerk of the Board of the Authority