

- **Board of Directors**  
**Water Planning, Quality and Resources Committee**

February 12, 2002 Board Meeting

---

8-7

---

**Subject**

---

Approve Amendment No. 1 to Agreement No. 40443 for an additional \$900,000 for aquifer characterization for the Hayfield Groundwater Storage Project

---

**Description**

---

California's Colorado River Water Use Plan for the management of Colorado River supplies includes, among other programs, the implementation of conjunctive use and transfer programs. At the board's direction, Metropolitan has pursued three specific programs along the Colorado River Aqueduct: the Cadiz Program, the Hayfield Program and the Coachella Program.

In June 1998, the Board authorized \$2.2 million for feasibility studies and a demonstration project for the Hayfield/Chuckwalla Groundwater Storage Program, Appropriation No. 15325. The Hayfield Groundwater Basin is located adjacent to the Julian Hinds Pumping Plant near Chiriaco Summit. The Upper Chuckwalla Groundwater Basin is located along the Colorado River Aqueduct (CRA) adjacent to Metropolitan's Eagle Mountain Pumping Plant approximately 15 miles north of Desert Center in Riverside County.

In June 2000, the board increased the appropriation to \$9.575 million for Hayfield Valley Land Acquisition/Exchange, environmental documentation, water quality sampling and analysis, preliminary design and additional feasibility studies in the Upper Chuckwalla Basin.

In March 2001, the board authorized the Chief Executive Officer (CEO) to enter into an agreement with Kennedy/Jenks Consultants to construct a single aquifer test well and perform aquifer pumping tests and basin characterization. Currently, the maximum amount payable under the agreement is \$500,000. Kennedy/Jenks was selected through a process following Metropolitan's standard procedures for procurement of outside consultant services.

Kennedy/Jenks is preparing to drill the single aquifer test well on the west side of the existing Hayfield Lake and perform aquifer pumping tests to determine aquifer properties, water yields, groundwater basin characteristics and obtain water quality data. During preliminary design, an additional aquifer test well, approximately 4.5 miles east of the first well site, has been recommended to more fully define the basin characteristics. Information from the two test wells will be used for the preliminary and final design of the full-scale project. The second aquifer well and associated data analysis is estimated to cost \$900,000 if constructed in conjunction with the first well. Approval of an amendment at this time would allow Kennedy/Jenks to construct both test wells during the same mobilization period and would result in significant reduction of mobilization and tooling costs to Metropolitan.

In October 2001, the California Department of Water Resources (DWR) executed Agreement No. 4600001909 with Metropolitan for reimbursement of up to \$35 million under the State General Funds of the State Water Code, Section 12560, *et seq.* for implementation of the Hayfield Groundwater Storage Project. The additional aquifer testing is eligible for reimbursement in accordance with the DWR Agreement. DWR has budgeted \$2.0 million for reimbursement to Metropolitan in fiscal year 2001/02 for the Hayfield Groundwater Storage Project, which must be expended by June 2002.

---

**Policy**

---

Pursuant to Metropolitan Water District Administrative Code § 8115(d) Negotiated Contracts and § 8117 Professional and Technical Consultants, which require all contracts over \$250,000 to be approved by the Board.

## California Environmental Quality Act (CEQA)

---

CEQA determination for Option #1:

The environmental effects from the installation and operation of the two single aquifer test wells were evaluated in the 1999 Mitigated Negative Declaration for the Hayfield Basin Groundwater Storage Project. This document was prepared to satisfy the requirements of CEQA and the State CEQA Guidelines. The Mitigated Negative Declaration was adopted by Metropolitan's Board of Directors (Board) in April 1999. The Board also approved the Mitigation Monitoring and Reporting Program and the project itself on that same date. The present proposed board action is solely based on amending an existing agreement with Kennedy/Jenks to carry out the proposed activities as discussed in this board letter and to authorize additional funding for the agreement; however, there are no other changes to the previously approved project. Hence, the previous environmental documentation taken by the Board in conjunction with the proposed action fully complies with CEQA and the State CEQA Guidelines. As such, no further CEQA documentation is necessary for the Board to act on the proposed action.

The CEQA determination is: Determine that the proposed action has been previously addressed in the 1999 Mitigated Negative Declaration and that no further environmental analysis or documentation is required.

CEQA determination for Option #2:

None required.

## Board Options/Fiscal Impacts

---

### Option #1

Adopt the CEQA determination and authorize the CEO to amend Agreement No. 40443 for an additional \$900,000 for aquifer characterization for the Hayfield Groundwater Storage and Dry-Year Supply Program.

**Fiscal Impact:** The financial benefits to Metropolitan includes (1) lower cost per constructed water well due to savings in mobilization and tooling charges, and (2) accelerated reimbursement of these costs from DWR.

### Option #2

Do not authorize the CEO to amend Agreement No. 40443.

**Fiscal Impact:** Metropolitan could incur approximately \$100,000 of mobilization and tooling costs for construction of the aquifer test well and possible loss of reimbursable funds currently appropriated in the 2001/02 California State budget.

## Staff Recommendation

---

Option #1

<i>Stephen N. Arakawa</i>	1/14/2002
Stephen N. Arakawa Manager, Water Resource Management	Date
<i>Ronald R. Gastelum</i>	1/20/2002
Ronald R. Gastelum Chief Executive Officer	Date



## BOARD LETTER ROUTING SLIP

Board Meeting Date February 12, 2002

Board Letter Subject Approve Amendment No. 1 to Agreement No. 40443 for an additional \$900,000 for aquifer

*Required Approvals*

<b>Author</b>	<u>Russell Ryan</u>	
	Name	Signature
	<u>Water Resource Management</u>	<u>4-250-6625</u>
	Group Name	MetNet Number
<b>FOR CONTENT REVIEW:</b>		
<b>ROUTE TO</b>	<b>DATE SIGNED</b>	<b>COMMENTS</b>
1. <u>Russell Ryan</u>	<u>                    </u>	<u>                    </u>
2. <u>Chuck Smith</u>	<u>                    </u>	<u>                    </u>
3. <u>Grace Chan</u>	<u>                    </u>	<u>                    </u>
5. <u>Delaine Shane</u>	<u>                    </u>	<u>                    </u>
6. <u>                    </u>	<u>                    </u>	<u>                    </u>
7. <u>                    </u>	<u>                    </u>	<u>                    </u>
8. <u>                    </u>	<u>                    </u>	<u>                    </u>
9. <u>                    </u>	<u>                    </u>	<u>                    </u>
10. <u>                    </u>	<u>                    </u>	<u>                    </u>
11. <u>                    </u>	<u>                    </u>	<u>                    </u>
12. <u>                    </u>	<u>                    </u>	<u>                    </u>

**SUBMIT BOARD LETTERS FOR REVIEW TO THE OUTLOOK FOLDER IN THE FOLLOWING ORDER:**

<b>External Affairs (Editorial)</b>	<b>Carla Cross</b>
<b>Legal (Legal)</b>	<b>Adam Kear</b>
<b>Publishing Services (Formatting)</b>	<b>Arlene Wong</b>

<b>Group Manager</b>	<u>Stephen N. Arakawa</u>	
	Name	Signature
<input type="checkbox"/> Audit		



<b>Audit</b>	<u>Tom DeBacker</u>	
	Name	Signature

<b>Board Letter Coordinator</b>	<u>Brian P. Stuart</u>	
	Name	MetNet Number
		<u>4-250-6405</u>