

EXECUTIVE SUMMARY SHEET
CITY OF SAN DIEGO

DATE ISSUED:
 ATTENTION: Natural Resources & Culture Committee
 Agenda of January 24, 2007
 ORIGINAL DEPT.: Water/Engineering & CIP Management Division
 SUBJECT: Execution of Consultant Agreement with Psomas for Seismic
 Upgrades
 COUNCIL DISTRICTS: All
 STAFF CONTACT: Oscar Khoury (619) 533-4102
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REQUESTED ACTION:

Authorize the execution of an agreement with Psomas for consultant services and associated funding.

STAFF RECOMMENDATION:

Adopt the resolutions.

EXECUTIVE SUMMARY:

A Seismic Vulnerability Study of the City's water system was completed in January 2002 identifying a number of large diameter pipelines that cross the active Rose Canyon Fault or cross liquefiable soils. The transmission pipelines identified cross the Rose Canyon Fault and serve the coastal communities of Midtown, Mission Hills, Old Town, Little Italy, Pacific Beach, Bay Park and Barrio Logan; and the other transmission pipelines cross liquefiable soils located in Serra Mesa, Mission Valley East, Kearny Mesa, Terasanta, and Grantville are identified for improvement. For each of the locations, a seismic retrofit will be developed to support rapid restoration of water service to these areas. The program objective is to reduce the overall risk and reduce or avoid costs of disaster-related damage to public infrastructures.

In 2005, the City's Office of Homeland Security applied for Federal Emergency Management Administration (FEMA) grant for \$3 million to retrofit 14 sites. The grant was approved on April 3, 2006, through "Notification of Application Approval FY05 Pre-Disaster Mitigation Competitive Program Grant # 20050011, OES#073-660000, Project #PJ105." This grant program is a 75% Federal share of approved mitigation projects based on favorable cost benefit analysis. The project grant performance period is from February 1, 2006 through January 31, 2009.

The Water Department initiated a Request For Qualifications (RFQ) process and selected Psomas to prepare drawings, specifications, emergency response plan and operations and maintenance manual for these sites for a lump sum amount of \$352,034.00.

FISCAL CONSIDERATIONS:

The total cost for Psomas consultant contract and in-house cost is \$528,034.00. The \$228,814.00 is available from Water Fund 41500, CIP 73-910.0, Annual Allocations –

Seismic Upgrades (Fault Crossing Retrofits to Large Pipelines) and \$299,220.00 is available in Water Fund 41500, CIP 73-910.0, Annual Allocation – Seismic Upgrades (Landslide/Liquefaction Pipeline Mitigation).

PREVIOUS COUNCIL COMMITTEE ACTION:

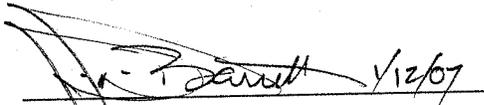
On May 3, 2005, Council authorized the City Manager (R-300373) to apply for and receive the FEMA Grant in support of the Seismic Retrofit of Water Transmission Pipelines.

COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS:

Community outreach to affected areas will be conducted prior to construction of the improvements to be designed under this contract.

KEY STAKEHOLDERS & PROJECTED IMPACTS (if applicable):

The key stakeholders are the City of San Diego, Water Department customers, State OES and FEMA, Psomas and sub-consultants: DEC Consultants, Katz, Okitsu & Associates, Ninyo & Moore, and ABS Consulting. Failure to mitigate these transmission pipelines could hinder the City's ability to fight fires and could limit the rapid restoration of water service after a large earthquake event along the Fault Crossing and Landslide/Liquefaction areas.



J. M. Barrett
Water Department Director



R. F. Haas
Deputy Chief of Public Works