

# Memorandum



DATE June 10, 2011

TO Members of the Transportation and Environment Committee:  
Linda Koop (Chair), Sheffie Kadane (Vice Chair), Jerry R. Allen, Tennell Atkins, Carolyn R. Davis, Vonciel Jones Hill, Delia Jasso, Pauline Medrano, Ron Natinsky

SUBJECT Council Agenda Items # 85 and 86 for June 22, 2011 - Water Utilities Department  
Water Supply Invasive Species Initiative – Zebra Mussels

Please be advised that the Water Utilities Department has two items on the June 22 Agenda for contracts related to zebra mussels which have been found in at least one City of Dallas water reservoir—a contract with the United States Geological Service and a contract with the Texas Parks and Wildlife Department.

Zebra mussels are an invasive species that were introduced in the Great Lakes in 1988. Since their introduction, they have been spreading through out North America. In 2010 zebra mussels were discovered in Sister Grove Creek, a tributary to Lake Lavon immediately above Lake Ray Hubbard. In April 2011, a boat was removed from Lake Ray Hubbard that was infested with zebra mussels. This particular boat had previously been in Lake Texoma which is also known to have zebra mussels, and may have picked up the mussels there. Subsequently a live zebra mussel was discovered in Lake Ray Hubbard in May 2011.

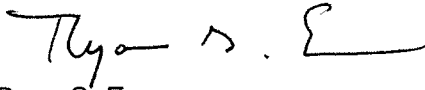
The introduction of zebra mussels in North America has resulted in a major economic impact to raw-water-dependent infrastructures, water intakes and power generation facilities. These mussels have caused extensive problems such as blocking pipes that deliver drinking and process water to cities, factories and cooling water to power plants, and covering beaches with sharp-edged mussel shells and rotting mussel flesh. The mussels are spread by attaching themselves in enormous numbers to ship and boat hulls, and other marine structures.

As a result of the finding of mussels in area lakes, Water Utilities staff are attempting to increase the monitoring of the spread of these mussels. To that end, Agenda Item # 86 staff is requesting that the Fiscal Year 2010-11 Joint Funding Agreement with the United States Geological Service be increased by \$40,000 in order to better monitor the extent of the infestation in Lake Ray Hubbard as well as begin sampling Lake Lewisville. The total cooperative agreement for the proposed amendment will increase from \$329,404 to \$369,404.

In addition, Agenda Item # 85 staff is requesting that Council authorize a Memorandum of Understanding with Texas Parks and Wildlife Department to assist in the development and distribution of print and media educational materials for the prevention of the spread of zebra mussels in area lakes. The cost of these materials will be spread among the major regional water suppliers in North Texas as well as water suppliers around the State of which Dallas' share will be \$25,000.

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Your favorable consideration of these initiatives is greatly appreciated. Please let me know if you have any questions or need additional information.



Ryan S. Evans  
First Assistant City Manager

c:       The Honorable Mayor and Members of the City Council  
Mary K. Suhm, City Manager  
Thomas P. Perkins, Jr. City Attorney  
Deborah Watkins, City Secretary  
Craig Kinton, City Auditor  
Judge C. Victor Lander, Administrative Judge  
Jill A. Jordan, P.E., Assistant City Manager  
A.C. Gonzalez, Assistant City Manager  
Forest Turner, Assistant City Manager  
Jeanne Chipperfield, Chief Financial Officer  
Edward Scott, Director, Controller's Office  
Frank Libro, Public Information Office  
Theresa O'Donnell, Director, Sustainable Development & Construction  
Helena Stevens-Thompson, Assistant to the City Manager – Council Office