

National Science Foundation
Water Quality Center (W-Q-C)
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THE UNIVERSITY OF
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WATER QUALITY CENTER

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MEMORANDUM

April 15, 2008

TO: Chuck Huckelberry, County Administrator
Mike Hein, City Manager

FROM: Ian Pepper, Director UA NSF Water Quality Center *Ian Pepper*

SUBJECT: University Expertise in the Water/Wastewater Arena

Gentlemen, I was recently supplied by Melaney Seacat with a copy of your "Updated Scope of Work: Water Infrastructure Supply and Planning Study." I am very interested in this document since it parallels ongoing work in the water/wastewater arena here at the University of Arizona. Much of this work is supported by the University of Arizona, National Science Foundation Water Quality Center, of which I am the Director.

Specifically a team of water experts at the university has initiated studies with a goal of optimizing water and wastewater treatment and distribution through the introduction of new innovative approaches and overall holistic integration at a systems level.

Upon review of your scope of work, I believe we can provide substantial input into Phases II, III, and V in particular. Key faculty here at the university include:

- Chuck Gerba, Environmental microbiology
- Chris Choi, Water Infrastructure modeling
- Kevin Lanscy, Optimization of large scale water infrastructure
- Jim Field, Low Energy wastewater
- Mark Riley, Real-time water quality monitoring
- Kim Ogden, Outreach and education
- Sharon Megdal, Policy

In addition, we have developed an off campus "Water Village" at the Environmental Research Laboratory that allows modular studies of critical aspects of water and wastewater treatment and distribution. Finally, note that we are actively pursuing large extramural grant support from the National Science Foundation, and here we are not soliciting funding from either the City or the County.

I would like to meet with you to discuss how the university would help the City and the County in its planning efforts. In addition, I would like to invite you to visit the Water Village, to see what we are doing. Having reviewed your scope of work, we fully endorse your efforts, and believe that we can provide an independent body of expertise that is politically neutral and technically sound. I look forward to hearing from you.

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cc: Melaney Seacat
Jim Barry

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