

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 14<sup>th</sup>, 2010

Board Item V-A-4

**Agreement No. 12917A**  
**Irrigation Efficiency Demand Side Management Agreement:**  
**Arapahoe Community College**

Action by Consent

Action

Information

Board Item:

Arapahoe Community College (Customer) is participating in Denver Water's Demand Side Management Irrigation Efficiency Program. Through the Irrigation Efficiency program, Denver Water is offering payments of \$7,000 for each acre-foot of savings.

- Payments are calculated based on annual savings and prorated over a 5 year contract to ensure the sustainability of the project.
- Savings will be calculated by comparing the consumption for each year of the contract to a pre-determined baseline of historical use for the site.
- Savings will also be adjusted annually for weather variations.
- These calculations occur at the end of each verification year of the contract.

To participate in this program, the customer must implement water efficiency measures to reduce irrigation consumption. As such, Arapahoe Community College will do the following:

- Upgrade all existing irrigation controllers (seven controllers) that water the Main Lawn, with weather-based irrigation controllers.
- Retrofit approximately 200 spray heads with rotary nozzles to improve distribution uniformity and reduce runoff.
- Convert the tap that waters the Main Lawn to an irrigation-only tap

Estimated water savings potential for this contract is approximately 13.6 acre feet of water annually.

- Total potential payment to Customer is not to exceed \$106,500.00, including up to \$95,500.00 in efficiency payments, and up to \$11,000.00 in rebate payments for eligible products and services.
- Contract will expire March 1<sup>st</sup>, 2015

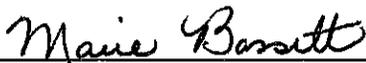
Arapahoe Community College serves approximately 18,000 students annually. Arapahoe Community College's main campus is located in Littleton, and receives Denver Water via City of Littleton Distributor.

This item is a budgeted expense under the Master Plan Code 4EA0030 and funds are available.

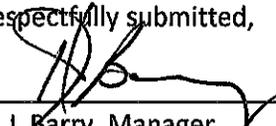
Recommendation:

It is recommended that the Board approve contract #12917A for an amount not to exceed \$106,500.00

**Approvals:**

  
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Marie Bassett, Director of Public Affairs

Respectfully submitted,

  
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H. J. Barry, Manager

  
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Patricia L. Wells, General Counsel