



THE COUNTY OF EL DORADO
Chief Administrative Office
Facilities Division

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June 30th, 2014

David Beauchamp, Project Manager
Integrated Water Resources
Atkins North America, Inc.
1410 Rocky Ridge Drive, Suite 140
Roseville, CA 95661

Re: 2014 IRWM Drought Grant Solicitation

David,

Thank you again for meeting with us regarding the IRWM Drought Grant Solicitation. Based on our discussions, I think there are many areas where the County's CIP plan overlaps with the goals of the solicitation.

As we discussed, the County has a five year CIP plan that includes many construction projects driven by water and energy conservation. Based on the requirements of the grant solicitation, many of these projects could be accelerated to meet contracting deadlines. The project highlights are as follows:

Jail Modifications:

- Remove and replace twelve (12) high GPF staff toilets with modern low GPF fixtures.
- Remove and replace eight (8) high GPF staff urinals with modern low GPF fixtures.
- Remove and replace eight (8) high flow showers at jail pods with low flow heads and tamper proof time reducers.
- Remove and replace ten (10) bathroom sinks with sensor fixtures.
- Remove and replace three (3) high flow shower heads at staff locations with low flow fixtures and timers.
- Remove and replace one hundred forty (140) high GPF jail toilet/sink combo units with modern low flow fixtures.

Total cost of jail improvements: \$511,800

Building A Modifications:

- Remove and replace twenty-one (21) high GPF toilets with modern low GPF fixtures.
- Remove and replace seven (7) high GPF urinals with modern low GPF fixtures.
- Remove and replace eighteen (18) bathroom sinks with sensor fixtures.

- Remove and replace four (4) high flow shower heads at staff locations with low flow fixtures and timers.
- Divest the facility from the central plant cooling tower that consumes up to 2,500 gallons per day.

Total cost of Building A improvements: \$547,100

Building B Modifications:

- Remove and replace fourteen (14) high GPF toilets with modern low GPF fixtures.
- Remove and replace six (6) high GPF urinals with modern low GPF fixtures. Current urinals are ganged together on sensors that flush all three at once. Old fixtures are in-floor mounted system.
- Remove and replace twelve (12) bathroom sinks with sensor fixtures.
- Divest the facility from the central plant cooling tower that consumes up to 2,500 gallons per day.

Total cost of Building B improvements: \$1,033,800

Building C Modifications:

- Remove and replace twenty-three (23) high GPF toilets with modern low GPF fixtures.
- Remove and replace six (6) high GPF urinals with modern low GPF fixtures.
- Remove and replace twelve (12) bathroom sinks with sensor fixtures.
- Remove and replace two (2) high GPF holding cell combo units with modern low GPF systems.

Total cost of Building C improvements: \$89,900

Main Library Modifications:

- Remove and replace twelve (12) high GPF toilets with modern low GPF fixtures.
- Remove and replace six (6) high GPF urinals with modern low GPF fixtures.
- Remove and replace six (6) bathroom sinks with sensor fixtures.

Total cost of Main Library improvements: \$49,200

The total value of the water conservation related construction projects is \$2,232,500. I look forward to going through these projects in more details as we move forward. Thanks again for your efforts.

Sincerely,

Brent Collins
Sr. Project Manager
CAO – Facilities Division