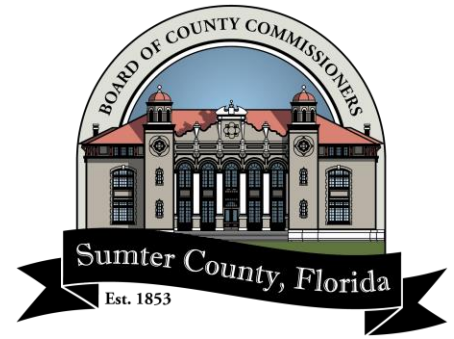


Board of County Commissioners ***Sumter County, Florida***

7375 Powell Road • Wildwood, FL 34785 • Phone (352) 689-4400 • FAX: (352) 689-4401
Website: <http://sumtercountyfl.gov>



Memo

To: Bradley Arnold
From: Michael F. Jara
Date: 02/06/2023
RE: I-Con water control justification/Grant

- There are six (6) reasons to install I-Con water conservation equipment:
- Only valve on the market to flush 1.6 gpf on a 3.5 gpf fixture and 0.9 gpf on a 1.6 gpf fixture allowing an average Return on Investment (ROI) pay off in two (2) to five (5) years.
 - Designed on the premise of less moving parts with no diaphragms. Due to the elimination of the diaphragms in both the flush and lavatory valves, the cost of replacement parts, and associated labor are reduces as much as 80%
 - Only flush valve to seal with 3 to 5 psi preventing “toilet fires” with the ability to control lockouts and run times. Flooding of cells or clogging of the plumbing systems become much more difficult because the inmates cannot rapidly flush fixtures, therefore reducing expensive maintenance
 - Touchscreen control of plumbing system via remote desktop with *Envisage* software enhancing security for contraband searches
 - Up to sixty feet from the fixture for both retrofit and new work applications
 - Customer support and training on resources available 24/7

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County Attorney
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Post Office Box 485
Brooksville, Florida 34605

Additional financial justification

The previous Bravo Building grant we installed two shower controllers 1 sink, one toilet and seven combination fixtures with total price of was \$ 42,580.

This years' Charlie Building pods A and B the total budget is County plus WRWSA is \$46,000 and the bid by Ackerman plumbing was \$75,628. Included in this price was four individual showers 8 toilets and eight sinks. In addition, a computer to remotely program the controllers and monitor water usage was included. This computer can also program the existing I-Con controllers in Bravo and Foxtrot Buildings.

The additional \$29,628 is justified because we are installing twice as many controllers and adding a centralized control computer and training.

The monthly water and sewer charge for the entire Jail is \$17,019/month. Charlie building houses 18% of the population. This equates to a monthly usage of \$3,062/C-Bldg. The I-Con products advertise a savings between 40%-60% For this project, I used 40% savings. This would save \$1,225.29 month or \$14,703/yr. Total project cost \$75,628/ \$14,703 equates to a 5.1 yr. payback.