



MEMORANDUM

Date: October 30, 2018

To: The Honorable Chairman and Members
Pima County Board of Supervisors

From: C.H. Huckelberry
County Administrator

A handwritten signature in black ink, appearing to read "CHH", is written over the printed name "C.H. Huckelberry".

Re: **Measured Conservation Benefit**

As you know, we recently connected the Downtown Central Plant to the Legal Services Building located at 32 N. Stone Avenue, which also connects the main County Complex serving the Administration East/West, the Historic Courthouse and Superior Court building.

A project that ran chilled water distribution lines to the Legal Services Building at 32 North Stone Avenue was recently completed to reduce operating costs for utilities and eliminate the need for capital replacement of certain Central Plant Facilities within 32 N. Stone.

The first water bill was received comparing September 2017 versus September 2018 water usage. The water savings alone has a monetary value of \$2,300 in one month, equivalent to a water cost savings of \$28,000 per year.

In addition to the water savings, there was a decline in electrical consumption for the month of September 2017 versus September 2018, a reduction of 75,600 kWh (usage) and a reduction of 213.1 kW (demand). The resulting single month monetary savings was \$5,900, equivalent to an electricity cost savings of \$70,000 per year.

In addition, capital replacement costs for Central Plant facilities within 32 N. Stone are no longer necessary. A capital replacement cost in excess of \$1.4 million is eliminated as a result of this project.

Included in this project was the infrastructure to add the 33 N. Stone Avenue building in the future.

CHH/anc

c: Tom Burke, Deputy County Administrator for Administration
Lisa Josker, Director, Facilities Management
Linda Mayro, Director, Office of Sustainability and Conservation