

# Student-led water conservation

## 2015–2016

Campus Student Sustainability Initiatives replaced eight 1-gallon flush urinals in the Tempe campus Memorial Union using a SIRF grant and saved 120,000 gallons per year.



## Pilot | Flush urinals\*

CSSI facilitated the replacement of 31 ceramic water closets and 48 flushometer valves on the Tempe campus.



**Water savings:**  
**227,813**  
gallons per year



**Partnerships:**  
**\$37,000**  
Climatec, LLC and Sloan Valve Company



**Monetary savings:**  
**\$1,278**  
per year

## Phase one | Sustainability Initiatives Revolving Fund

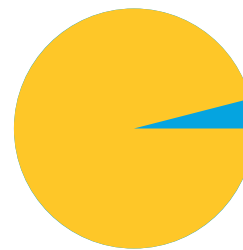
University Sustainability Practices and a CSSI representative audited 60 buildings on ASU Downtown and Tempe campuses for retrofitting.

- **NPV:** \$244,580.
- **IRR:** 7.55%.
- **Payback:** 11 years.
- **SIRF tier-three grant:** \$1,944,658.
- **Useful life:** 20 years.

\*CSSI piloted the P'EED OFF Initiative.

## Water savings per ASU campus:

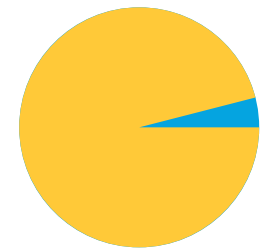
**Total:**  
**26,159,788 gallons** per year



- **Downtown Phoenix campus:** 951,648 gallons per year.
- **Tempe campus:** 25,208,140 gallons per year.

## Monetary savings per ASU campus:

**Total:**  
**\$147,803** per year



- **Downtown Phoenix campus:** \$5,377 per year.
- **Tempe campus:** \$142,426 per year.



## Circular resources

University Sustainability Practices and the ASU Zero Waste department will incorporate ceramic parts from projects to be crushed into three-fourths-of-an-inch aggregate and recycled into concrete.

Buesing Corp. will partner on the project.

[cfo.asu.edu/nacubo](http://cfo.asu.edu/nacubo)

