

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

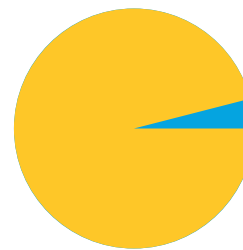
University Sustainability Practices and a CSSI representative audited 60 buildings on ASU Downtown and Tempe campuses for retrofitting.

- **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:

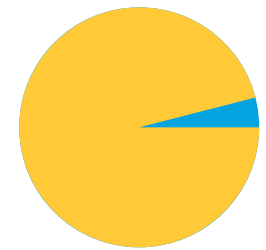
Total:
26,159,788 gallons per year



- **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

