Focused on water conservation in Residence Halls

30% of campus area but 60% of water consumption

Three aspects:

- Physical Retrofits Kitchens and Bathrooms
- Behavior Change Interventions Multi-tiered and directed by Psychology Department
- Lab Equipment Recirculating pumps (#24) saved 50,000 gallons alone

Primary Learning:

- Created a "Campus as Lab" model to engage students in process
- Good water conservation outcome from both retrofit and behavior interventions*

Primary Outcome:

790 retrofits will save 30 million gallons worth \$200,000 (2015 water rate) for an ROI of 11.8 months

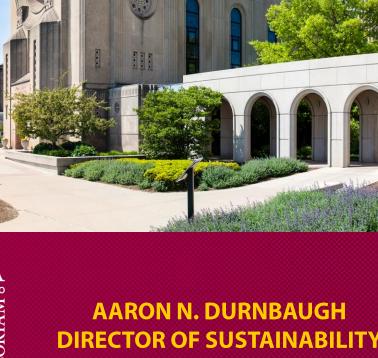
GALLONS SAVED & SHARED PROJECT 2014-2015

SUPPORTED BY ILLINOIS SUSTAINABLE TECHNOLOGY CENTER

MELCHIORI, K. J., MALLETT, R. K., DURNBAUGH, A. N., & PHAM, H. D. (2016). MATERIAL VALUES. GOALS. AND WATER USE: RESULTS FROM A CAMPUS RESIDENCE HALL SURVEY. IN FILHO, W. L., & ZINT, M. (EDS), THE CONTRIBUTION OF SOCIAL SCIENCES TO SUSTAINABLE DEVELOPMENT AT UNIVERSITIES (PP. 273-287). CHAM, SWITZERLAND:

MALLETT, R.K. & MELCHIORI, K.J. (2016). CREATING A WATER-SAVER IDENTITY REDUCES WATER USE FOR STUDENTS LIVING IN RESIDENCE HALLS, JOURNAL OF ENVIRONMENTAL PSYCHOLOGY, 47, 223-229





DIRECTOR OF SUSTAINABILITY